

Stereo Investigator Citations

Agrawal, S., Yu, L., Leurgans, S. E., Nag, S., Barnes, L. L., Bennett, D. A., & Schneider, J. A. (2025). Hippocampal neuronal loss and cognitive decline in LATE-NC and ADNC among community-dwelling older persons. *Alzheimer's & Dementia*, 21(2), e14500.

<https://doi.org/10.1002/alz.14500>

Berman, R. F., Matson, M. R., Bachman, A. M., Lin, N.-H., Coyne, S., Frelka, A., Pearce, R. A., Messing, A., & Hagemann, T. L. (2025). GFAP mutation and astrocyte dysfunction lead to a neurodegenerative profile with impaired synaptic plasticity and cognitive deficits in a rat model of Alexander disease. *eNeuro*. <https://doi.org/10.1523/ENEURO.0504-24.2025>

de Lira-Bandeira, W. G., de Mendonça Batista, L. A. C., de Medeiros Bandeira, A. S., de Góis Morais, P. L. A., Pereira, L. R. F., de Meiroz Grilo, M. L. P., Cavalcante, J. S., de Santana, M. A. D., de Lima, R. R. M., Galvão-Coelho, N. L., Ladd, F. V. L., & do Nascimento, E. S. (2025). Ayahuasca partially preserves striatal integrity in juvenile non-human primates exposed to chronic stress: Evidence from stereological evaluation. *Frontiers in Neuroanatomy*, 19. <https://doi.org/10.3389/fnana.2025.1457557>

Felton, E. K., Kulesz, P. A., Leasure, J. L., & Rodgers, S. P. (2025). Effects of exercise and transient estradiol exposure in middle-aged female rats. *Hormones and Behavior*, 168, 105690. <https://doi.org/10.1016/j.yhbeh.2025.105690>

Han, M. N., Di Natale, M. R., Lei, E., Furness, J. B., Finkelstein, D. I., Hao, M. M., Diwakarla, S., & McQuade, R. M. (2025). Assessment of gastrointestinal function and enteric nervous system changes over time in the A53T mouse model of Parkinson's disease. *Acta Neuropathologica Communications*, 13, 58. <https://doi.org/10.1186/s40478-025-01956-7>

Hoffe, B., Hebert, L., Petel, O. E., & Holahan, M. R. (2025). Characterization of the Porcine Cingulate Sulcus Cytoarchitecture. *Journal of Comparative Neurology*, 533(2), e70025. <https://doi.org/10.1002/cne.70025>

Hofman, K., Chen, J. Z., Sil, T., Pellegrini, F., Haufe, S., Pozzi, N., Palmisano, C., Isaias, I., Koprich, J. B., Brothie, J. M., Kühn, A. A., Matthies, C., Reich, M. M., Muthuraman, M., Volkmann, J., & Ip, C. W. (2025). Low β predicts motor output and cell degeneration in the A53T Parkinson's disease rat model. *Brain*, awaf063. <https://doi.org/10.1093/brain/awaf063>

Jeon, J., Cha, Y., Hong, Y. J., Lee, I.-H., Jang, H., Ko, S., Naumenko, S., Kim, M., Ryu, H. L., Shrestha, Z., Lee, N., Park, T.-Y., Park, H., Kim, S.-H., Yoon, K.-J., Song, B., Schweitzer, J., Herrington, T. M., Kong, S. W., ... Kim, K.-S. (2025). Pre-clinical safety and efficacy of human induced pluripotent stem cell-derived products for autologous cell therapy in Parkinson's disease. *Cell Stem Cell*, 32(3), 343-360.e7. <https://doi.org/10.1016/j.stem.2025.01.006>

Kim, J. H., Yang, S., Kim, H., Vo, D.-K., Maeng, H.-J., Jo, A., Shin, J.-H., Shin, J.-H., Baek, H.-M., Lee, G. H., Kim, S.-H., Lim, K.-H., Dawson, V. L., Dawson, T. M., Joo, J.-Y., & Lee, Y. (2025). Preclinical studies and transcriptome analysis in a model of Parkinson's disease with dopaminergic ZNF746 expression. *Molecular Neurodegeneration*, 20(1), 24. <https://doi.org/10.1186/s13024-025-00814-3>

Kim, S., Park, J., Eo, H., Lee, G. B., Park, S. M., Shin, M., Lee, S. E., Nam, Y., & Kim, S. R. (2025). Intracerebellar upregulation of Rheb(S16H) ameliorates motor dysfunction in mice with SCA2. *Acta Pharmacologica Sinica*, 1–12. <https://doi.org/10.1038/s41401-025-01504-y>

Lee, K., Cha, M.-J., Kwon, I., Kim, S., Song, J. J., Kim, Y. D., Nam, H. S., Koo, J., Lee, H. S., Joo, H., Choi, H., & Heo, J. H. (2025). Monocyte/Macrophage Infiltration in Thrombus and

Outcomes of Stroke Patients with Monocyte/Macrophage-dominant Thrombus. *Thrombosis and Haemostasis*. <https://doi.org/10.1055/a-2513-9638>

Lou, Z., Post, A., Nagoshi, N., Hong, J., Hejrati, N., Chio, J. C. T., Khazaei, M., & Fehlings, M. G. (2025). Assessment of immune modulation strategies to enhance survival and integration of human neural progenitor cells in rodent models of spinal cord injury. *Stem Cells Translational Medicine*, 14(2), szae090. <https://doi.org/10.1093/stcltm/szae090>

Magill, P. J., Schaffran, B. T., Wolff, A. R., Threlfell, S., Doig, N. M., Dinneen, D., Yona, G., Sharott, A., Luc, K. C., Cragg, S. J., & Dodson, P. D. (2025). *Induction of Lewy-like aggregates perturbs the firing dynamics of midbrain dopaminergic neurons in vivo*. Research Square. <https://doi.org/10.21203/rs.3.rs-5931393/v1>

Maiti, P., Xue, Y., Rex, T. S., & McDonald, M. P. (2025). Gene Therapy Targeting GD3 Synthase Protects Against MPTP-Induced Parkinsonism and Executive Dysfunction. *European Journal of Neuroscience*, 61(6), e70061. <https://doi.org/10.1111/ejn.70061>

Malungo, I. B., Ngwenya, A., Bertelsen, M. F., Spocter, M. A., Thannickal, T. C., Siegel, J. M., & Manger, P. R. (2025). The Complexly Parcellated, Yet Quantitatively Reduced, Orexinergic/Hypocretinergic System of Humans. *Journal of Comparative Neurology*, 533(2), e70032. <https://doi.org/10.1002/cne.70032>

Marmion, D. J., Deng, P., Hiller, B. M., Lewis, R. L., Harms, L. J., Cameron, D. L., Nolte, J. A., Kordower, J. H., Fink, K. D., & Wakeman, D. R. (2025). Long-Term Engraftment of Cryopreserved Human Neurons for In Vivo Disease Modeling in Neurodegenerative Disease. *Biology*, 14(2), Article 2. <https://doi.org/10.3390/biology14020217>

Noda, S., Sato, S., Yamakado, H., Takahashi, R., & Hattori, N. (2025). Enhanced alpha-synuclein pathology and exacerbated motor dysfunction in alpha-synuclein transgenic mice with autophagy deficiency. *Biochemical and Biophysical Research Communications*, 758, 151514. <https://doi.org/10.1016/j.bbrc.2025.151514>

Ozkanlar, S., Ozkanlar, Y., Kara, A., & Dalkilinc, E. (n.d.). Astaxanthin Alleviates Lung Injury by Regulating Oxidative Stress, Inflammatory Response, P2X7 Receptor, NF- κ B, Bcl-2, and Caspase-3 in LPS-Induced Endotoxemia. *Environmental Toxicology*, n/a(n/a). <https://doi.org/10.1002/tox.24481>

Rau, J., Joseph, R., Weise, L., Bryan, J., Wardeh, J., Konda, A., Duplessis, L., & Hook, M. A. (2025). Acute Opioid Administration Undermines Recovery after SCI: Adverse Effects Are Not Restricted to Morphine. *Journal of Neurotrauma*. <https://doi.org/10.1089/neu.2024.0375>

Santana, N. N. M., Escarião, W. K. M., Silva, E. H. A., Fiuza, F. P., Nascimento Júnior, E. S., Costa, M. S. M. O., Engelberth, R. C., & Cavalcante, J. S. (n.d.). Dorsal raphe nucleus receives retinal projections of morphologically distinct fibers in the common marmoset (*Callithrix jacchus*): A subunit B cholera labeling. *Journal of Anatomy*, n/a(n/a). <https://doi.org/10.1111/joa.14218>

Snappyan, M., Desmeules, F., Munro, J., Bérard, M., Saikali, S., Gould, P. V., Richer, M., Pourcher, E., Langlois, M., Dufresne, A.-M., Prud'homme, M., Cantin, L., Parent, A., Saghatelian, A., & Parent, M. (n.d.). Adult Neurogenesis in the Subventricular Zone of Patients with Huntington's and Parkinson's Diseases and following Long-Term Treatment with Deep Brain Stimulation. *Annals of Neurology*, n/a(n/a). <https://doi.org/10.1002/ana.27181>

Thomas, K., Azimi, H., Maggioni, D., Sanders, M., Sánchez, P. V., Harvey, M. A., & Rainer, G. (2025). GABAergic neurons in basal forebrain exert frequency-specific modulation on

auditory cortex and enhance attentional selection of auditory stimuli. *Communications Biology*, 8(1), 1–14. <https://doi.org/10.1038/s42003-024-07318-8>

Tsuda, S., Hou, J., Thompson, F. J., & Bose, P. K. (2025). Traumatic brain injury-induced anxiety: Injury and plasticity of the central noradrenergic system. *Experimental Neurology*, 388, 115182. <https://doi.org/10.1016/j.expneurol.2025.115182>

Udodi, P. S., Ndubuisi, K. B., Mofunanya, U. C., Onuorah, P. C., Odunwa, U. P., Ndinojuo, S. C., Ezejindu, D. N., & Udodi, R. E. (2025). Ameliorative Effects of Silymarin on Methamphetamine-Induced Neurobehavioral and Histopathological Alterations in Adolescent Wistar Rats. *Caspian Journal of Neurological Sciences*, 11(2), 140–162. <https://doi.org/10.32598/CJNS.11.41.442.4>

Vermeulen, I., Vandenbosch, M., Viot, D., Mercier, J., Cabañas, D. A.-W., Martinez-Martinez, P., Barton, P., Heeren, R. M. A., & Cillero-Pastor, B. (2025). Spatial Distribution of Brain PET Tracers by MALDI Imaging. *Journal of the American Society for Mass Spectrometry*. <https://doi.org/10.1021/jasms.4c00307>

Vivinetto, A. L., Bernstein, A., Soliman, M., Cave, J. W., & Hollis, E. (2025). Acute Extrinsic Activation of the RANKL Pathway Decreases Wound Healing and Functional Recovery After Spinal Cord Injury in Mice. *Glia*, 73(5), 969–984. <https://doi.org/10.1002/glia.24667>

Wang, J., Zhang, N., Liu, H.-Z., Wang, J.-L., Zhang, Y.-B., Su, D.-D., Zhang, L.-M., Li, B.-D., Miao, H.-T., & Miao, J. (2025). Hydrogen Sulfide (H₂S) Generated in the Colon Induces Neuropathic Pain by Activating Spinal NMDA Receptors in a Rodent Model of Chronic Constriction Injury. *Neurochemical Research*, 50(2), 90. <https://doi.org/10.1007/s11064-025-04342-w>

Wang, Y., Guo, Q., Zhang, H., Ye, L., Yu, L., Kong, X., Jiang, Y., Zhao, P., Cai, K., & Cheng, H. (2025). Dual-Pathway Targeted Therapy for Parkinson's Disease: Biomimetic Nanosomes Inhibit Ferroptosis and Pyroptosis Through NLRP3 Inflammasome Regulation (SSRN Scholarly Paper No. 5167846). Social Science Research Network. <https://doi.org/10.2139/ssrn.5167846>

Xiaojuan, H., Wang, D., Chen, L., Song, H., Zheng, X., Zhang, X., Zhao, S., Liang, J., Xu, T., Hu, Z., & Sun, L. (2025). MSC transplantation ameliorates depression in lupus by suppressing Th1 cell-shaped synaptic stripping. *JCI Insight*. <https://doi.org/10.1172/jci.insight.181885>

Yamada, T., Ikeda, A., Murata, D., Wang, H., Zhang, C., Khare, P., Adachi, Y., Ito, F., Quirós, P. M., Blackshaw, S., López-Otin, C., Langer, T., Chan, D. C., Le, A., Dawson, V. L., Dawson, T. M., Iijima, M., & Sesaki, H. (2025). Dual regulation of mitochondrial fusion by Parkin–PINK1 and OMA1. *Nature*, 639(8055), 776–783. <https://doi.org/10.1038/s41586-025-08590-2>

Yilmaz, S., Yatmaz, C., Büyükkal, F., Cumbul, A., Öz, I., & Şerbetçioğlu, M. B. (2025). Effect of Pycnogenol® on Noise-Induced Hearing Loss in Rats. *The Journal of International Advanced Otology*, 21(1), e241623. <https://doi.org/10.5152/iao.2025.241623>

Zhang, L., Zhou, S., Tan, Y. F., Gan, Q. F., Koon, T. H., Wang, Z., Zhao, S., Chen, Y., Sun, Y., & Leong, P. P. (2025). Collateral projections from the lateral parabrachial nucleus to the bed nucleus of the stria terminalis and the central amygdala in mice. *Neuroscience Letters*, 853, 138204. <https://doi.org/10.1016/j.neulet.2025.138204>

Zhu, R.-X., Han, R.-X., Chen, Y.-H., Huang, L., Liu, T., Jiang, J., Wang, C., Cao, L., Liu, Y., & Lu, M. (2025). Inactivation of NLRP3 inflammasome by dephosphorylation at Serine 658 alleviates glial inflammation in the mouse model of Parkinson's disease. *Molecular Neurodegeneration*, 20(1), 27. <https://doi.org/10.1186/s13024-025-00818-z>

Akkulah, C. Y., Erginer, M., Cumbul, A., Kirtel, O., Bayram, F., & Toksoy Öner, E. (2025). Enhanced effects of levan hydrogels and bovine grafts on guided bone regeneration: *In-vitro* and *in-vivo* analysis. *International Journal of Biological Macromolecules*, 292, 139129. <https://doi.org/10.1016/j.ijbiomac.2024.139129>

Alexandris, A. S., Rafaels, K., Horsmon, M., Wozniak, S., Belamarich, J., Flores, P., Frangakis, C. E., Ryu, J., Iacono, D., Perl, D., & Koliatsos, V. E. (2024). Diffuse Axonal and Vascular Pathology in the Gyrencephalic Brain after High-Energy Blunt Injury: Clinicopathological Correlations Involving the Brainstem. *Journal of Neurotrauma*. <https://doi.org/10.1089/neu.2024.0306>

Balzano, T. (n.d.). *Experimental and Clinical Methods in Hepatic Encephalopathy Research*. Springer Nature.

Balzano, T., Pineda-Pardo, J. A., Esteban-García, N., López-Aguirre, M., Reinares-Sebastián, A., Trigo-Damas, I., Takada, M., Obeso, J. A., & Blesa, J. (2025). Temporal dynamics of neurovascular unit changes following blood-brain barrier opening in the putamen of non- human primates. *Journal of Controlled Release*, 377, 116–126. <https://doi.org/10.1016/j.jconrel.2024.11.019>

Barapatre, N., Hansen, L., Kampfer, C., Rübelmann, T., Schmitz, C., von Koch, F., & Frank, H. G. (2024). Trophoblast proliferation is higher in female than in male preeclamptic placentas. *Placenta*, 158, 310–317. <https://doi.org/10.1016/j.placenta.2024.10.016>

Chen, G., Wang, M., Zhang, Z., Hong, D. K., Ahn, E. H., Liu, X., Kang, S. S., & Ye, K. (2025). ApoE3 R136S binds to Tau and blocks its propagation, suppressing neurodegeneration in mice with Alzheimer's disease. *Neuron*, 0(0). <https://doi.org/10.1016/j.neuron.2024.12.015>

Chen, J., Ling, Z., Lv, M. K., Xu, W., Chen, S. Z., Shao, L., Ma, Z. F., Wang, C. X., Song, Y. J., & Tang, C. X. (2024). *GDNF alleviates depression in Parkinson's disease by inhibiting α -synuclein aggregation and facilitating DA transmission from VTA to NAc*. Research Square. <https://doi.org/10.21203/rs.3.rs-5365953/v1>

de Moura Gomes, A., L. Petkau, T., J. Korecki, A., Fornes, O., Galvan, A., Lu, G., M. Hill, A., Ling Lam, S., Yao, A., A. Farkas, R., W. Wasserman, W., Smith, Y., M. Simpson, E., & R. Leavitt, B. (2024). New MiniPromoter Ple389 (ADORA2A) drives selective expression in medium spiny neurons in mice and non-human primates. *Scientific Reports*, 14(1), 28194. <https://doi.org/10.1038/s41598-024-79004-y>

Errante, E. L., Tigre, J. Y., Schaeffer, E. A., Costello, M. C., Kloehn, A. J., Puerto, A., Khan, A., Pressman, Y., Silvera, R., Sanchez, F. J., Noga, B. R., Dietrich, W. D., Levi, A. D., & Burks, S. S. (2025). Comparison of cellular-based therapies following a long-segmental peripheral nerve defect in a rat model. *PLOS ONE*, 20(1), e0313292. <https://doi.org/10.1371/journal.pone.0313292>

Evans, A. K., Park, H. H., Woods, C. E., Lam, R. K., Rijsketic, D. R., Xu, C., Chu, E. K., Ciari, P., Blumenfeld, S., Vidano, L. M., Saw, N. L., Heifets, B. D., & Shamloo, M. (2024). Impact of noradrenergic inhibition on neuroinflammation and pathophysiology in mouse models of Alzheimer's disease. *Journal of Neuroinflammation*, 21(1), 322. <https://doi.org/10.1186/s12974-024-03306-1>

Ferreira, P. A., Lebre, C., Costa, J., Amaral, F., Ferreira, R., Martinho, F., Paiva, V. H., Cardoso, A. L., Peça, J., & Guedes, J. R. (2025). Early-life IL-4 administration induces long-term changes in

microglia in the cerebellum and prefrontal cortex. *Journal of Neurochemistry*, 169(1), e16266. <https://doi.org/10.1111/jnc.16266>

Garcia-Gomara, M., Juan-Palencia, A., Alfaro, M., Cuadrado-Tejedor, M., & Garcia-Osta, A. (2024). Neuroprotective Effects of Dexamethasone in a Neuromelanin-Driven Parkinson's Disease Model. *Journal of Neuroimmune Pharmacology*, 20(1), 2. <https://doi.org/10.1007/s11481-024-10164-4>

Geus, T. de, Franken, G., Zuidema, X., Zundert, J. van, & Joosten, E. A. J. (2024). Structural changes in the nociceptive system induced by long-term conventional spinal cord stimulation in experimental painful diabetic polyneuropathy. *Regional Anesthesia & Pain Medicine*. <https://doi.org/10.1136/rapm-2024-105919>

Gladen-Kolarsky, N., Neff, C. J., Hack, W., Brandes, M. S., Wiedrick, J., Meza-Romero, R., Lockwood, D. R., Quinn, J. F., Offner, H., Vandenbark, A. A., & Gray, N. E. (2025). The CD74 inhibitor DRhQ improves short-term memory and mitochondrial function in 5xFAD mouse model of A β accumulation. *Metabolic Brain Disease*, 40(1), 95. <https://doi.org/10.1007/s11011-024-01433-5>

Grant, M. T., Nelvagal, H. R., Tecos, M., Hamed, A., Swanson, K., Cooper, J. D., & Vrecenak, J. D. (2024). Cellular trafficking and fate mapping of cells within the nervous system after in utero hematopoietic cell transplantation. *Communications Biology*, 7(1), 1–12. <https://doi.org/10.1038/s42003-024-06847-6>

Hara, Y., Yoshizawa, K., Uchida, N., & Muraoka, T. (2025). Thermal Responses and Cell Adhesive Properties of Glycosylated Jigsaw-Shaped Self-Assembling Peptides. *Peptide Science*, 117(1), e24392. <https://doi.org/10.1002/pep2.24392>

Hoffe, B. H. (2024, September 5). *An Investigation into the Hyperacute Neuronal Consequences Following Impact to the Porcine Brain using an Ex Vivo Model of Brain Impact*. Carleton University.

Kim, T. W., Piao, J., Bocchi, V. D., Koo, S. Y., Choi, S. J., Chaudhry, F., Yang, D., Cho, H. S., Hergenreder, E., Perera, L. R., Joshi, S., Mrad, Z. A., Claros, N., Donohue, S. A., Frank, A. K., Walsh, R., Mosharov, E. V., Betel, D., Tabar, V., & Studer, L. (2025). *Enhanced yield and subtype identity of hPSC-derived midbrain dopamine neuron by modulation of WNT and FGF18 signaling* (p. 2025.01.06.631400). bioRxiv. <https://doi.org/10.1101/2025.01.06.631400>

King, A. C., Payne, E., Stephens, E., Fowler, J. A., Wood, T. E., Rodriguez, E., & Gray, M. (2024). Modulation of SNARE-dependent exocytosis in astrocytes improves neuropathology in Huntington's disease. *Disease Models & Mechanisms*, 17(11), dmm052002. <https://doi.org/10.1242/dmm.052002>

Krivinko, J. M., Fan, P., Sui, Z., Happe, C., Hensler, C., Gilardi, J., Ikonovic, M. D., McKinney, B. C., Newman, J., Ding, Y., Wang, L., Sweet, R. A., & MacDonald, M. L. (2024). Age-related loss of large dendritic spines in the precuneus is statistically mediated by proteins which are predicted targets of existing drugs. *Molecular Psychiatry*, 1–9. <https://doi.org/10.1038/s41380-024-02817-w>

Kulik, V., Edler, M. K., Raghanti, M. A., Imam, A., & Sherwood, C. C. (2024). Amyloid-Beta, Tau, and Microglial Activation in Aged Felid Brains. *Journal of Comparative Neurology*, 532(11), e25679. <https://doi.org/10.1002/cne.25679>

Lin, Y.-E., Jaimon, E., Tonelli, F., & Pfeffer, S. R. (2025). Pathogenic LRRK2 mutations cause loss of primary cilia and Neurturin in striatal parvalbumin interneurons. *Life Science Alliance*, 8(1). <https://doi.org/10.26508/lsa.202402922>

Liu, Q., Huang, B., Guiberson, N. G. L., Chen, S., Zhu, D., Ma, G., Ma, X.-M., Crittenden, J. R., Yu, J., Graybiel, A. M., Dawson, T. M., Dawson, V. L., & Xiong, Y. (2024). CalDAG-GEFI acts as a guanine nucleotide exchange factor for LRRK2 to regulate LRRK2 function and neurodegeneration. *Science Advances*, 10(47), eadn5417. <https://doi.org/10.1126/sciadv.adn5417>

Lopez, A., Siddiqi, F. H., Villeneuve, J., Ureshino, R. P., Jeon, H.-Y., Koulousakis, P., Keeling, S., McEwan, W. A., Fleming, A., & Rubinsztein, D. C. (2024). Carbonic anhydrase inhibition ameliorates tau toxicity via enhanced tau secretion. *Nature Chemical Biology*, 1–11. <https://doi.org/10.1038/s41589-024-01762-7>

Massaro Cenere, M., Tiberi, M., Paldino, E., D'Addario, S. L., Federici, M., Giacomet, C., Cutuli, D., Matteocci, A., Cossa, F., Zarrilli, B., Casadei, N., Ledonne, A., Petrosini, L., Berretta, N., Fusco, F. R., Chiurchiù, V., & Mercuri, N. B. (2024). Systemic inflammation accelerates neurodegeneration in a rat model of Parkinson's disease overexpressing human alpha synuclein. *Npj Parkinson's Disease*, 10(1), 1–14. <https://doi.org/10.1038/s41531-024-00824-w>

Mshaymesh, S. (n.d.). Neurotoxic effects of the chemotherapeutic drug "methotrexate": A literature review. *Annals of Medicine and Surgery*, 10.1097/MS9.0000000000002863. <https://doi.org/10.1097/MS9.0000000000002863>

Munoz-Pinto, M. F., Candeias, E., Melo-Marques, I., Esteves, A. R., Maranhã, A., Magalhães, J. D., Carneiro, D. R., Sant'Anna, M., Pereira-Santos, A. R., Abreu, A. E., Nunes-Costa, D., Alarico, S., Tiago, I., Morgadinho, A., Lemos, J., Figueiredo, P. N., Januário, C., Empadinhas, N., & Cardoso, S. M. (2024). Gut-first Parkinson's disease is encoded by gut dysbiome. *Molecular Neurodegeneration*, 19(1), 78. <https://doi.org/10.1186/s13024-024-00766-0>

Poplawski, J., Montina, T., & Metz, G. A. S. (2024). Early life stress shifts critical periods and causes precocious visual cortex development. *PLOS ONE*, 19(12), e0316384. <https://doi.org/10.1371/journal.pone.0316384>

Quan, W., Decker, Y., Luo, Q., Chemla, A., Chang, H.-F., Li, D., Fassbender, K., & Liu, Y. (2024). Deficiency of NLRP3 protects cerebral pericytes and attenuates Alzheimer's pathology in tau- transgenic mice. *Frontiers in Cellular Neuroscience*, 18. <https://doi.org/10.3389/fncel.2024.1471005>

Rao, S. P., Imam-Fulani, A. O., Xie, W., Phillip, S., Chennavajula, K., Lind, E. B., Zhang, Y., Vince, R., Lee, M. K., & More, S. S. (2025). Oral prodrug of a novel glutathione surrogate reverses metabolic dysregulation and attenuates neurodegenerative process in APP/PS1 mice (p. 2025.01.15.633247). bioRxiv. <https://doi.org/10.1101/2025.01.15.633247>

Santoro, M., Lam, R. K., Blumenfeld, S. E., Tan, W., Ciari, P., Chu, E. K., Saw, N. L., Rijsketic, D. R., Lin, J. S., Heifets, B. D., & Shamloo, M. (2024). *Mapping of catecholaminergic denervation, neurodegeneration, and inflammation in 6-OHDA-treated Parkinson's disease mice*. Research Square. <https://doi.org/10.21203/rs.3.rs-5206046/v1>

Servillo, F., De Carluccio, M., Di Lazzaro, G., Campanelli, F., Marino, G., Natale, G., Ledonne, A., Massaro Cenere, M., Paldino, E., Di Giuda, D., Picca, A., Bove, F., Di Iorio, R., Angeloni, B., Cimmino, A. T., Bellomo, G., Picconi, B., Bentivoglio, A. R., Mercuri, N. B., ... Calabresi, P. (2024). Molecular and cellular determinants of L-Dopa-induced dyskinesia in Parkinson's Disease. *Npj Parkinson's Disease*, 10(1), 1–13. <https://doi.org/10.1038/s41531-024-00836-6>

Sheikh, I. S., Keefe, K. M., Sterling, N. A., Junker, I. P., Li, C., Chen, J., Xu, X.-M., Kirby, L. G., & Smith, G. M. (2024). Compensatory adaptation of parallel motor pathways promotes skilled forelimb recovery after spinal cord injury. *iScience*, 27(12). <https://doi.org/10.1016/j.isci.2024.111371>

Soydan, M., Arabaci, G., Utlü, N., Halici, M. B., Aktas Senocak, E., & Kiliçlioglu, M. (2025). Indomethacin-Induced Gastric Ulcer in Rats: Gastroprotectivity of Muscari neglectum in Water. *Pharmaceuticals*, 18(1), Article 1. <https://doi.org/10.3390/ph18010007>

Thompson, K. R. (2024). *Hippocampal insult and recovery from ethanol dependence in females and males*. <https://repositories.lib.utexas.edu/items/407fabcf-70d9-457b-a446-5c034bc6b461>

Tran, T. T., Andronicos, N., & Gerber, P. F. (2024). Expression of Immune Genes and Leukocyte Population in the Conjunctiva, Harderian Gland and Trachea of Chickens Inoculated with a Live Vaccine and a Field Strain Infectious Laryngotracheitis Virus. *Poultry*, 3(4), Article 4. <https://doi.org/10.3390/poultry3040030>

Villard, J., Chareyron, L. J., Banta Lavenex, P., Amaral, D. G., & Lavenex, P. (2024). Stereological Analysis of the Rhesus Monkey Perirhinal and Parahippocampal Cortices. *Journal of Comparative Neurology*, 532(11), e25684. <https://doi.org/10.1002/cne.25684>

Wang, J., Zhang, N., Liu, H.-Z., Wang, J.-L., Zhang, Y.-B., Su, D.-D., Zhang, L.-M., Li, B.-D., Miao, H.-T., & Miao, J. (2025). NaHS alleviates neuropathic pain in mice by inhibiting IL-17-mediated dopamine (DA) neuron necroptosis in the VTA. *Brain Research Bulletin*, 220, 111168. <https://doi.org/10.1016/j.brainresbull.2024.111168>

Woo, K. M., Guo, Y., Mehrabian, Z., Miller, N. R., & Bernstein, S. L. (2024). Refining Flash Visual Evoked Potential Analysis in Rats: A Novel Approach Using Bilateral Epidural Electrodes. *Translational Vision Science & Technology*, 13(12), 24. <https://doi.org/10.1167/tvst.13.12.24>

Yang, X., Jeong, D., Madeo, G., Kumbhar, R., Wang, N., Niu, L., Hu, J., Li, S., Gadhave, K., Chen, R., Akkentli, F., Workman, C. J., Vignali, D. A. A., Ying, M., Bonci, A., Dawson, V. L., Dawson, T. M., & Mao, X. (2025). *Neuronal LAG3 facilitates pathogenic α -synuclein neuron-to-neuron propagation* (p. 2025.01.03.631221). bioRxiv. <https://doi.org/10.1101/2025.01.03.631221>

Yazici Demir, K., Kaya, Z., Dayanan, R., Mercantepe, T., & Mercantepe, F. (2025). Does Radioactive Iodine Treatment Affect Thyroid Size and Tracheal Diameter? *Journal of Clinical Medicine*, 14(1), Article 1. <https://doi.org/10.3390/jcm14010115>

Yilmaz, A., Toraman, M. N., Mataraci Karakas, S., Ozden, Z., Pinarbas, E., & Mercantepe, T. (2024). Effect of White Tea on Leptin and Asprosin Levels in Rats Feeding a High-Fat Diet. *Life*, 14(12), Article 12. <https://doi.org/10.3390/life14121548>

Zaniewska, M., Brygider, S., Majcher-Maślanka, I., Gawliński, D., Głowacka, U., Glińska, S., & Balcerzak, Ł. (2024). The impact of voluntary wheel-running exercise on hippocampal neurogenesis and behaviours in response to nicotine cessation in rats. *Psychopharmacology*, 241(12), 2585–2607. <https://doi.org/10.1007/s00213-024-06705-7>

Zareen, N., Yung, H., Kaczetow, W., Glattstein, A., Mazalkova, E., Alexander, H., Chen, L., Parra, L. C., & Martin, J. H. (2024). Molecular signaling predicts corticospinal axon growth state and muscle response plasticity induced by neuromodulation. *Proceedings of the National Academy of Sciences*, 121(47), e2408508121. <https://doi.org/10.1073/pnas.2408508121>

Zhang, H., Cai, M., Gao, F., Yang, J., Li, C., Han, J., Wang, Y., Xu, Y., Hu, Y., Chen, H., He, W., & Zhang, J. (2024). Thorase deficiency causes both A β accumulation and tau hyperphosphorylation in mouse brain. *Alzheimer's & Dementia*, 20(12), 8769–8786. <https://doi.org/10.1002/alz.14329>

Zhu, R.-X., Chen, Y.-H., Xia, X., Liu, T., Wang, C., Cao, L., Liu, Y., & Lu, M. (2024). Formation of CSE-YAP complex drives FOXD3-mediated transition of neurotoxic astrocytes in Parkinson's disease. *Pharmacological Research*, 210, 107507. <https://doi.org/10.1016/j.phrs.2024.107507>

Zhu, Z., Zhang, H., Li, Q., Han, X., Wang, T., Zhang, W., Chen, F., Gu, L., Yao, Q., Chen, L., & Zhao, Y. (2025). LongTerm Creatine Supplementation Improves Cognitive and Hippocampal Structural Plasticity Impairments in a DGalInduced Aging Model via Increasing CKBB Activity in the Brain. *Food Science & Nutrition*, 13(1), e4767. <https://doi.org/10.1002/fsn3.4767>

Andersen, S. L. (2024). Increasing CB2 Receptor Activity after Early Life Stress Prevents Depressive Behavior in Female Rats. *Biomolecules*, 14(4), Article 4. <https://doi.org/10.3390/biom14040464>

Arroyo Almenas, F., Törő, G., Szaniszló, P., Maskey, M., Thanki, K. K., Koltun, W. A., Yochum, G. S., Pinchuk, I. V., Chao, C., Hellmich, M. R., & Módis, K. (2024). Cystathionine Gamma-Lyase Regulates TNF- α -Mediated Injury Response in Human Colonic Epithelial Cells and Colonoids. *Antioxidants*, 13(9), Article 9. <https://doi.org/10.3390/antiox13091067>

Baek, J.-H., Kwon, I., Kim, S., Nam, H. S., Kim, Y. D., Kim, B. M., Kim, D. J., Song, T.-J., & Heo, J. H. (2024). Thrombi With a Higher Erythrocyte Composition Are More Fragile in Acute Stroke. *Journal of Stroke*, 26(3), 454. <https://doi.org/10.5853/jos.2024.00787>

Balzano, T., del Rey, N. L.-G., Esteban-García, N., Reinares-Sebastián, A., Pineda-Pardo, J. A., Trigo-Damas, I., Obeso, J. A., & Blesa, J. (2024). Neurovascular and immune factors of vulnerability of substantia nigra dopaminergic neurons in non-human primates. *Npj Parkinson's Disease*, 10(1), 1–11. <https://doi.org/10.1038/s41531-024-00735-w>

Bandeira, W. G. de L. (2024). *Estudo estereológico dos efeitos da ayahuasca na neuroanatomia do estriado de saguís (Callithrix jacchus) em um modelo de depressão* [master Thesis, Universidade Federal do Rio Grande do Norte]. <https://repositorio.ufrn.br/handle/123456789/60103>

Bodea, G. O., Botto, J. M., Ferreiro, M. E., Sanchez-Luque, F. J., de los Rios Barreda, J., Rasmussen, J., Rahman, M. A., Fenlon, L. R., Jansz, N., Gubert, C., Gerdes, P., Bodea, L.-G.,

Ajjikuttira, P., Da Costa Guevara, D. J., Cumner, L., Bell, C. C., Kozulin, P., Billon, V., Morell, S., ... Faulkner, G. J. (2024). LINE-1 retrotransposons contribute to mouse PV interneuron development. *Nature Neuroscience*, 27(7), 1274–1284. <https://doi.org/10.1038/s41593-024-01650-2>

Campbell, A., Lai, T., Wahba, A. E., Boison, D., & Gebril, H. M. (2024). Enhancing neurogenesis after traumatic brain injury: The role of adenosine kinase inhibition in promoting neuronal survival and differentiation. *Experimental Neurology*, 381, 114930. <https://doi.org/10.1016/j.expneurol.2024.114930>

Cano-Astorga, N., Plaza-Alonso, S., DeFelipe, J., & Alonso-Nanclares, L. (2024). Volume electron microscopy analysis of synapses in primary regions of the human cerebral cortex. *Cerebral Cortex*, 34(8), bhae312. <https://doi.org/10.1093/cercor/bhae312>

Cescon, M., Gambarotta, G., Calabrò, S., Cicconetti, C., Anselmi, F., Kankowski, S., Lang, L., Basic, M., Bleich, A., Bolsega, S., Steglich, M., Oliviero, S., Raimondo, S., Bizzotto, D., Haastert-Talini, K., & Ronchi, G. (2024). Gut microbiota depletion delays somatic peripheral nerve development and impairs neuromuscular junction maturation. *Gut Microbes*, 16(1), 2363015. <https://doi.org/10.1080/19490976.2024.2363015>

Chauquet, S., Willis, E. F., Grice, L., Harley, S. B. R., Powell, J. E., Wray, N. R., Nguyen, Q., Ruitenbergh, M. J., Shah, S., & Vukovic, J. (2024). Exercise rejuvenates microglia and reverses T cell accumulation in the aged female mouse brain. *Aging Cell*, 23(7), e14172. <https://doi.org/10.1111/acer.14172>

Checucci, C., Wicinski, B., Mazzamuto, G., Scardigli, M., Ramazzotti, J., Brady, N., Pavone, F. S., Hof, P. R., Costantini, I., & Frasconi, P. (2024). Deep learning-based localization algorithms on fluorescence human brain 3D reconstruction: A comparative study using stereology as a reference. *Scientific Reports*, 14(1), 14629. <https://doi.org/10.1038/s41598-024-65092-3>

Cherian, S., Simms, G., Chen, L., & Chu, H.-Y. (2024). Loss of Midbrain Dopamine Neurons Does Not Alter GABAergic Inhibition Mediated by Parvalbumin-Expressing Interneurons in Mouse Primary Motor Cortex. *eNeuro*, 11(5). <https://doi.org/10.1523/ENEURO.0010-24.2024>

Choe, S., Jeong, H., Choi, J., & Yu, S.-W. (2024). Chronic unpredictable stress induces autophagic death of adult hippocampal neural stem cells. *Molecular Brain*, 17(1), 31. <https://doi.org/10.1186/s13041-024-01105-6>

Curdt, N. (2024). *Der Einfluss von Aβ4-42 auf die Kognition und die Anwendung von Suchstrategien im Morris Water Maze im Tg4-42-Mausmodell* [doctoralThesis]. <https://doi.org/10.53846/goediss-10405>

Dai, Y., Bi, M., Jiao, Q., Du, X., Yan, C., & Jiang, H. (2024). Astrocyte-derived apolipoprotein D is required for neuronal survival in Parkinson's disease. *Npj Parkinson's Disease*, 10(1), 1–16. <https://doi.org/10.1038/s41531-024-00753-8>

De Silva, W. G. M., Sequeira, V. B., Yang, C., Dixon, K. M., Holland, A. J. A., Mason, R. S., & Rybchyn, M. S. (2024). 1,25-Dihydroxyvitamin D3 Suppresses UV-Induced Poly(ADP-Ribose) Levels in Primary Human Keratinocytes, as Detected by a Novel Whole-Cell ELISA. *International Journal of Molecular Sciences*, 25(11), Article 11. <https://doi.org/10.3390/ijms25115583>

DeGiosio, R. (2024, September 16). *Functional Effects of Schizophrenia-Associated MAP2 Phosphorylation Events* [University of Pittsburgh ETD]. University of Pittsburgh. <https://d-scholarship.pitt.edu/45419/>

Diniz, D. G., de Oliveira, J. H. P., Guerreiro, L. C. F., de Menezes, G. C., de Assis, A. C. L., Duarte, T. Q., dos Santos, I. B. D., Maciel, F. D., Soares, G. L. da S., Araújo, S. C., Franco, F. T. de C., do Carmo, E. L., Morais, R. dos A. B., de Lima, C. M., Brites, D., Anthony, D. C., Diniz, J. A. P., & Diniz,

- C. W. P. (2024). Contrasting Disease Progression, Microglia Reactivity, Tolerance, and Resistance to *Toxoplasma gondii* Infection in Two Mouse Strains. *Biomedicines*, 12(7), Article 7. <https://doi.org/10.3390/biomedicines12071420>
- Dong, H., Zhang, X., Duan, Y., He, Y., Zhao, J., Wang, Z., Wang, J., Li, Q., Fan, G., Liu, Z., Shen, C., Zhang, Y., Yu, M., Fei, J., & Huang, F. (2024). Hypoxia inducible factor-1 α regulates microglial innate immune memory and the pathology of Parkinson's disease. *Journal of Neuroinflammation*, 21(1), 80. <https://doi.org/10.1186/s12974-024-03070-2>
- Eraydin, F., Cumbul, A., Kurnaz, M., & Ozdemir, F. (2024). Effect of Adeno-Associated Virus- Transfected Mesenchymal Stem Cells Containing Agents on Bone Formation in Extended Inter-Premaxillary Suture in Rats. *Journal of Craniomaxillofacial Research*, 9–19. <https://doi.org/10.18502/jcr.v11i1.16476>
- Fanikos, M., Kohn, S. A., Stamato, R., Brenhouse, H. C., & Gildawie, K. R. (2024). Impacts of age and environment on postnatal microglial activity: Consequences for cognitive function following early life adversity. *PLOS ONE*, 19(6), e0306022. <https://doi.org/10.1371/journal.pone.0306022>
- Frouni, I., Kim, E., Shaqfah, J., Bédard, D., Kwan, C., Belliveau, S., & Huot, P. (2024). [3H]-NFPS binding to the glycine transporter 1 in the hemi-parkinsonian rat brain. *Experimental Brain Research*, 242(5), 1203–1214. <https://doi.org/10.1007/s00221-024-06815-w>
- Garbuzova-Davis, S., Kurien, C., Thomson, A., Falco, D., Ahmad, S., Staffetti, J., Steiner, G., Abraham, S., James, G., Mahendrasah, A., Sanberg, P. R., & Borlongan, C. V. (2017). Endothelial and Astrocytic Support by Human Bone Marrow Stem Cell Grafts into Symptomatic ALS Mice towards Blood-Spinal Cord Barrier Repair. *Scientific Reports*, 7(1), 884. <https://doi.org/10.1038/s41598-017-00993-0>
- Garcia Moreno, S. I., Limani, F., Ludwig, I., Gilbert, C., Pifl, C., Hnasko, T. S., & Steinkellner, T. (2024). Viral overexpression of human alpha-synuclein in mouse substantia nigra dopamine neurons results in hyperdopaminergia but no neurodegeneration. *Experimental Neurology*, 382, 114959. <https://doi.org/10.1016/j.expneurol.2024.114959>
- García-Magro, N., & Avendaño, C. (2024). Stereological Approaches to Microglia Morphometry. In J. Bernacer & M. Garcia-Amado (Eds.), *Advances in Stereology for Neuroscience* (pp. 51–67). Springer US. https://doi.org/10.1007/978-1-0716-3977-1_3
- Godavarthi, S. K., Li, H., Pratelli, M., & Spitzer, N. C. (2024). Embryonic exposure to environmental factors drives transmitter switching in the neonatal mouse cortex causing autistic-like adult behavior. *Proceedings of the National Academy of Sciences*, 121(35), e2406928121. <https://doi.org/10.1073/pnas.2406928121>
- Guo, Q., Wang, Y., Yu, L., Guan, L., Ji, X., Li, X., Pang, G., Ren, Z., Ye, L., & Cheng, H. (2024). Nicotine restores olfactory function by activation of prok2R/Akt/FoxO3a axis in Parkinson's disease. *Journal of Translational Medicine*, 22(1), 350. <https://doi.org/10.1186/s12967-024- 05171-1>
- Han, D., Fuquen, R. W., Willis, K. L., Christensen-Dalsgaard, J., & Carr, C. E. (2024). Sound localization circuits in reptiles. *Frontiers in Amphibian and Reptile Science*, 2. <https://doi.org/10.3389/famrs.2024.1429172>
- Hao, W., Luo, Q., Tomic, I., Quan, W., Hartmann, T., Menger, M. D., Fassbender, K., & Liu, Y. (2024). Modulation of Alzheimer's disease brain pathology in mice by gut bacterial depletion: The role of IL-17a. *Gut Microbes*, 16(1), 2363014. <https://doi.org/10.1080/19490976.2024.2363014>
- He, Y., Liu, B., Yang, F.-Y., Yang, Q., Xu, B., Liu, L., & Chen, Y. (2024). TAF15 downregulation contributes to the benefits of physical training on dendritic spines and working memory in aged mice. *Aging Cell*, 23(9), e14244. <https://doi.org/10.1111/accel.14244>
- He, Y., Zhao, J., Ma, Y., Yan, X., Duan, Y., Zhang, X., Dong, H., Fang, R., Zhang, Y., Li, Q., Yang, P., Yu, M., Fei, J., & Huang, F. (2024). *Citrobacter rodentium* infection impairs dopamine metabolism and exacerbates the pathology of Parkinson's disease in mice. *Journal of Neuroinflammation*, 21, 153. <https://doi.org/10.1186/s12974-024-03145-0>

Ho, W.-H. J., Marinova, M. B., Listijono, D. R., Bertoldo, M. J., Richani, D., Kim, L.-J., Brown, A., Riepsamen, A. H., Cabot, S., Frost, E. R., Bustamante, S., Zhong, L., Selesniemi, K., Wong, D., Madawala, R., Marchante, M., Goss, D. M., Li, C., Araki, T., ... Wu, L. E. (2024). Fertility protection during chemotherapy treatment by boosting the NAD(P)⁺ metabolome. *EMBO Molecular Medicine*, 16(10), 2583–2618. <https://doi.org/10.1038/s44321-024-00119-w>

Hoffmeister, J. D., Broadfoot, C. K., Schaen-Heacock, N. E., Lechner, S. A., Krasko, M. N., Nisbet, A. F., Russell, J., Szot, J., Glass, T. J., Connor, N. P., Kelm-Nelson, C. A., & Ciucci, M. R. (2024). Vocal and tongue exercise in early to mid-stage Parkinson disease using the *Pink1*^{-/-} rat. *Brain Research*, 1837, 148958. <https://doi.org/10.1016/j.brainres.2024.148958>

Hornung, K. A. (2024). *The influence of neprilysin on the pathogenesis of sporadic Alzheimer's disease* [doctoralThesis]. <https://doi.org/10.53846/goediss-10498>

Islam, R., White, J. D., Arefin, T. M., Mehta, S., Liu, X., Polis, B., Giuliano, L., Ahmed, S., Bowers, C., Zhang, J., & Kaffman, A. (2024). Early adversity causes sex-specific deficits in perforant pathway connectivity and contextual memory in adolescent mice. *Biology of Sex Differences*, 15(1), 39. <https://doi.org/10.1186/s13293-024-00616-0>

Jia, Y., Li, Y., Hou, W., Wei, Z., Zhang, T., Wang, X., Wang, J., & Tan, H. (n.d.). A comparative assessment of age-related nicotinamide adenine dinucleotide phosphate-diaphorase positivity in the spinal cord and medulla oblongata of pigeons, rats, and mice. *The Anatomical Record*, n/a(n/a). <https://doi.org/10.1002/ar.25536>
Jiang, Y., Lin, Y., Tetlow, A. M., Pan, R., Ji, C., Kong, X.-P., Congdon, E. E., & Sigurdsson, E. M. (2024). Single-domain antibody-based protein degrader for synucleinopathies. *Molecular Neurodegeneration*, 19(1), 44. <https://doi.org/10.1186/s13024-024-00730-y>

Jones, A. A., Ramos-Miguel, A., Gicas, K. M., Petyuk, V. A., Leurgans, S. E., De Jager, P. L., Schneider, J. A., Bennett, D. A., Honer, W. G., & Casaleto, K. B. (n.d.). A multilayer network analysis of Alzheimer's disease pathogenesis: Roles for p-tau, synaptic peptides, and physical activity. *Alzheimer's & Dementia*, n/a(n/a). <https://doi.org/10.1002/alz.14286>

Junghans, K., Wyeth, M., & Buckmaster, P. S. (2024). Rat strain differences in seizure frequency and hilar neuron loss after systemic treatment with pilocarpine. *Epilepsy Research*, 204, 107384. <https://doi.org/10.1016/j.eplepsyres.2024.107384>

Kaub, L., Milz, S., Barapatre, N., Büttner, A., Michalke, B., Schmitz, C., & Gilder, S. A. (2024). *Magnetic iron-oxide nanoparticles in the brain connected to alcohol-associated liver disease*. Research Square. <https://doi.org/10.21203/rs.3.rs-4731478/v1>

Knorr, S. (2024). *Pathophysiology of early-onset isolated dystonia in a DYT-TOR1A rat model with trauma-induced dystonia-like movements* [Universität Würzburg]. <https://doi.org/10.25972/OPUS-20609>

Krejcová, L. V., Bento-Torres, J., Diniz, D. G., Pereira, A., Batista-de-Oliveira, M., de Moraes, A. A. C. L., Mendes-da-Silva, R. F., Abadie-Guedes, R., dos Santos, Â. A., Lima, D. S., Guedes, R. C. A., & Picanço-Diniz, C. W. (2024). Unraveling the Influence of Litter Size, Maternal Care, Exercise, and Aging on Neurobehavioral Plasticity and Dentate Gyrus Microglia Dynamics in Male Rats. *Brain Sciences*, 14(5), Article 5. <https://doi.org/10.3390/brainsci14050497>

Laguna, A., Peñuelas, N., Gonzalez-Sepulveda, M., Nicolau, A., Arthaud, S., Guillard-Sireix, C., Lorente-Picón, M., Compte, J., Miquel-Rio, L., Xicoy, H., Liu, J., Parent, A., Cuadros, T., Romero-Giménez, J., Pujol, G., Giménez-Llort, L., Fort, P., Bortolozzi, A., Carballo-Carbajal, I., & Vila, M. (2024). Modelling human neuronal catecholaminergic pigmentation in rodents recapitulates age-related neurodegenerative deficits. *Nature Communications*, 15(1), 8819. <https://doi.org/10.1038/s41467-024-53168-7>

Lau, G. L. (2024, January 19). *Demystifying Narp in the context of stroke*. Carleton University.

- Lee, M. K., & Chen, G. (2024). Loss of Cholinergic and Monoaminergic Afferents in APP^{swe}/PS1^{E9} Transgenic Mouse Model of Cerebral Amyloidosis Preferentially Occurs Near Amyloid Plaques. *International Journal of Molecular Sciences*, 25(9), Article 9. <https://doi.org/10.3390/ijms25095004>
- Lei, Z., Ritzel, R. M., Li, Y., Li, H., Faden, A. I., & Wu, J. (2024). Old age alters inflammation and autophagy signaling in the brain, leading to exacerbated neurological outcomes after spinal cord injury in male mice. *Brain, Behavior, and Immunity*, 120, 439–451. <https://doi.org/10.1016/j.bbi.2024.06.023>
- Levis, S. C., Birnie, M. T., Xie, Y., Kamei, N., Kulkarni, P. V., Montesinos, J. S., Perrone, C. R., Cahill, C. M., Baram, T. Z., & Mahler, S. V. (2024). Opioid drug seeking after early-life adversity: A role for delta opioid receptors. *Addiction Neuroscience*, 13, 100175. <https://doi.org/10.1016/j.addicn.2024.100175>
- Li, J., Ng, K. W., Sung, C. C., & Chung, K. K. K. (2024). The role of age-associated alpha-synuclein aggregation in a conditional transgenic mouse model of Parkinson's disease: Implications for Lewy body formation. *Journal of Neurochemistry*, 168(7), 1215–1236. <https://doi.org/10.1111/jnc.16122>
- Lin, Y.-E., Lin, H.-P., Lu, K.-H., Huang, Y.-J., Panyod, S., Liu, W.-T., Lu, Y.-S., Chen, M.-H., & Sheen, L.-Y. (2024). *Cordyceps militaris* and *Armillaria mellea* formula alleviates depressive behaviors via microglia regulation in an unpredictable chronic mild stress animal model. *Journal of Traditional and Complementary Medicine*. <https://doi.org/10.1016/j.jtcme.2024.05.003>
- Liu, J., Liang, Y., Meng, Q., Chen, J., Ma, J., Zhu, H., Cai, L., Song, N., Ding, J., Fan, Y., Lu, M., Wu, G., Fang, Y., & Hu, G. (2024). Antagonism of β -arrestins in IL-4-driven microglia reactivity via the Samd4/mTOR/OXPHOS axis in Parkinson's disease. *Science Advances*, 10(34), eadn4845. <https://doi.org/10.1126/sciadv.adn4845>
- Lusk, S., Moushey, A. M., Iwakoshi, N., Wilson, C. G., Li, A., & Ray, R. (2024). Exaggerated postnatal surge of orexin neurons and the effects of elimination of excess orexin on blood pressure and exaggerated chemoreflex in spontaneously hypertensive rats. *Frontiers in Physiology*, 15. <https://doi.org/10.3389/fphys.2024.1341649>
- Maliković, J., Amrein, I., Vinciguerra, L., Wolfer, D. P., & Slomianka, L. (2024). NECAB1-3, parvalbumin, calbindin, and calretinin in the hippocampus of the European mole. *Frontiers in Neuroanatomy*, 18. <https://doi.org/10.3389/fnana.2024.1452722>
- Massaro, G., Geard, A. F., Nelvagal, H. R., Gore, K., Clemo, N. K., Waddington, S. N., & Rahim, A. A. (2024). Comparison of different promoters to improve AAV vector-mediated gene therapy for neuronopathic Gaucher disease. *Human Molecular Genetics*, 33(17), 1467–1480. <https://doi.org/10.1093/hmg/ddae081>
- Meng, Q., Chen, J., Liang, Y., Zhang, X., Ding, J., Fang, Y., & Hu, G. (2024). miR-142-3p alleviates neuronal apoptosis in Parkinson's disease via negatively regulating C9orf72. *Neuroscience Letters*, 836, 137887. <https://doi.org/10.1016/j.neulet.2024.137887>
- Mercado, N. M., Szarowicz, C., Stancati, J. A., Sortwell, C. E., Boezwinkle, S. A., Collier, T. J., Caulfield, M. E., & Steece-Collier, K. (2024). Advancing age and the rs6265 BDNF SNP are permissive to graft-induced dyskinesias in parkinsonian rats. *Npj Parkinson's Disease*, 10(1), 1–16. <https://doi.org/10.1038/s41531-024-00771-6>
- Nakos Bimpos, M., Karali, K., Antoniou, C., Palermos, D., Fouka, M., Delis, A., Tzieras, I., Chrousos, G. P., Koutmani, Y., Stefanis, L., & Polissidis, A. (2024). Alpha-synuclein-induced stress sensitivity renders the Parkinson's disease brain susceptible to neurodegeneration. *Acta Neuropathologica Communications*, 12(1), 100. <https://doi.org/10.1186/s40478-024-01797-w>

North, H. F., Weissleder, C., Bitar, M., Barry, G., Fullerton, J. M., Webster, M. J., & Weickert, C. S. (2024). RNA-sequencing suggests extracellular matrix and vasculature dysregulation could impair neurogenesis in schizophrenia cases with elevated inflammation. *Schizophrenia*, 10(1), 1–10. <https://doi.org/10.1038/s41537-024-00466-0>

Oh, J.-Y., Lee, H., Jang, S.-Y., Kim, H., Park, G., Serikov, A., Jang, J.-H., Kim, J., Yang, S., Sa, M., Lee, S. E., Han, Y.-E., Hwang, T.-Y., Jung, S. J., Kim, H. Y., Lee, S. E., Oh, S.-J., Kim, J., Kim, J., ... Park, H.-J. (n.d.). Central Role of Hypothalamic Circuits for Acupuncture's Anti-Parkinsonian Effects. *Advanced Science*, n/a(n/a), 2403245. <https://doi.org/10.1002/adv.202403245>

Ono, M., Ito, T., Yamaki, S., Hori, Y., Zhou, Q., Zhao, X., Muramoto, S., Yamamoto, R., Furuyama, T., Sakata-Haga, H., Hattai, T., Hamaguchi, T., & Kato, N. (2024). Spatiotemporal development of the neuronal accumulation of amyloid precursor protein and the amyloid plaque formation in the brain of 3xTg-AD mice. *Heliyon*, 10(7). <https://doi.org/10.1016/j.heliyon.2024.e28821>

Ozkaptan, B. B., Sagir, D., & Aksoy, F. (2024). Hepatoprotective Effects of Curcumin on Liver Injury in Streptozocin-induced Diabetic Rats. *Journal of the Anatomical Society of India*, 73(3), 218. https://doi.org/10.4103/jasi.jasi_55_23

Pan, Y., Hysinger, J. D., Yalçın, B., Lennon, J. J., Byun, Y. G., Raghavan, P., Schindler, N. F., Anastasaki, C., Chatterjee, J., Ni, L., Xu, H., Malacon, K., Jahan, S. M., Ivec, A. E., Aghoghovwia, B. E., Mount, C. W., Nagaraja, S., Scheaffer, S., Attardi, L. D., ... Monje, M. (2024). Nf1 mutation disrupts activity-dependent oligodendroglial plasticity and motor learning in mice. *Nature Neuroscience*, 27(8), 1555–1564. <https://doi.org/10.1038/s41593-024-01654-y>

Paoletti, I. (2024). Focusing on altered neuronal networks to fight early deficits in a mouse model of Alzheimer's Disease. <https://doi.org/10.77606>

Patel, M. Y., Yang, R., Chakraborty, N., Miller, S.-A., DeMar, J. C., Batuuire, A., Wilder, D., Long, J., Hammamieh, R., & Gautam, A. (2024). Impact of dietary changes on retinal neuronal plasticity in rodent models of physical and psychological trauma. *Frontiers in Genetics*, 15. <https://doi.org/10.3389/fgene.2024.1373447>

Patel, R., Gomes, A., Maloney, S. K., & Smith, J. T. (2024). Reduced voluntary wheel running behaviour in *Kiss1r* knockout mice. *Physiology & Behavior*, 287, 114701. <https://doi.org/10.1016/j.physbeh.2024.114701>

Poddar, J., Rangasamy, S. B., & Pahan, K. (2024). Therapeutic efficacy of cinnamoin, a component of balsam of Tolu/Peru, in controlled cortical impact mouse model of TBI. *Neurochemistry International*, 176, 105742. <https://doi.org/10.1016/j.neuint.2024.105742>

Qi, L.-F.-R., Liu, S., Fang, Q., Qian, C., Peng, C., Liu, Y., Yang, P., Wu, P., Shan, L., Cui, Q., Hua, Q., Yang, S., Ye, C., Yang, W., Li, P., & Xu, X. (2024). Ginsenoside Rg3 Restores Mitochondrial Cardiolipin Homeostasis via GRB2 to Prevent Parkinson's Disease. *Advanced Science*, 11(39), 2403058. <https://doi.org/10.1002/adv.202403058>

Qi, L.-F.-R., Liu, Y., Liu, S., Xiang, L., Liu, Z., Liu, Q., Zhao, J.-Q., & Xu, X. (2024). Phillyrin promotes autophagosome formation in A53T- α Syn-induced Parkinson's disease model via modulation of REEP1. *Phytomedicine*, 134, 155952. <https://doi.org/10.1016/j.phymed.2024.155952>

Rabelo, T. K., Campos, A. C. P., Souza, T. H. A., Mahmud, F., Popovic, M. R., Covolan, L., Betta, V. H. C., DaCosta, L., Lipsman, N., Diwan, M., & Hamani, C. (2024). Deep brain stimulation mitigates memory deficits in a rodent model of traumatic brain injury. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 17(6), 1186–1196. <https://doi.org/10.1016/j.brs.2024.10.006>

Rajebhosale, P., Jone, A., Johnson, K. R., Hofland, R., Palarpalar, C., Khan, S., Role, L. W., & Talmage, D. A. (2024). Neuregulin1 Nuclear Signaling Influences Adult Neurogenesis and Regulates a Schizophrenia Susceptibility Gene Network within the Mouse Dentate Gyrus. *Journal of Neuroscience*, 44(43). <https://doi.org/10.1523/JNEUROSCI.0063-24.2024>

Rentsch, P., Ganesan, K., Langdon, A., Konen, L. M., & Vissel, B. (2024). Toward the development of a sporadic model of Alzheimer's disease: Comparing pathologies between humanized APP and the familial J20 mouse models. *Frontiers in Aging Neuroscience*, 16. <https://doi.org/10.3389/fnagi.2024.1421900>

Rumajogee, P., Altamentova, S., Li, J., Puvanenthirarajah, N., Wang, J., Asgarihafshejani, A., Van Der Kooy, D., & Fehlings, M. G. (2024). Constraint-Induced Movement Therapy (CIMT) and Neural Precursor Cell (NPC) Transplantation Synergistically Promote Anatomical and Functional Recovery in a Hypoxic-Ischemic Mouse Model. *International Journal of Molecular Sciences*, 25(17), Article 17. <https://doi.org/10.3390/ijms25179403>

Salem, S., Kilgore, M. D., Anwer, M., Maxan, A., Child, D., Bird, T. D., Keene, C. D., Cicchetti, F., & Latimer, C. (2024). Evidence of mutant huntingtin and tau-related pathology within neuronal grafts in Huntington's disease cases. *Neurobiology of Disease*, 198, 106542. <https://doi.org/10.1016/j.nbd.2024.106542>

Santana, N. N. M., Silva, E. H. A., Santos, S. F. dos, Bezerra, L. L. F., da Silva, M. M. O., Cavalcante, J. S., Fiuza, F. P., Morais, P. L. A. de G., & Engelberth, R. C. (2024). Neuronal Stability, Volumetric Changes, and Decrease in GFAP Expression of Marmoset (*Callithrix jacchus*) Subcortical Visual Nuclei During Aging. *Journal of Comparative Neurology*, 532(7), e25649. <https://doi.org/10.1002/cne.25649>

Santoro, M., Lam, R. K., Blumenfeld, S. E., Tan, W., Ciari, P., Chu, E. K., Saw, N. L., Rijsketic, D. R., Lin, J. S., Heifets, B. D., & Shamloo, M. (2024). Mapping of catecholaminergic denervation, neurodegeneration, and inflammation in 6-OHDA-treated Parkinson's disease mice. Research Square. <https://doi.org/10.21203/rs.3.rs-5206046/v1>

Sheppard, P. A. S., Oomen, C. A., Bussey, T. J., & Saksida, L. M. (2024). The Granular Retrosplenial Cortex Is Necessary in Male Rats for Object-Location Associative Learning and Memory, But Not Spatial Working Memory or Visual Discrimination and Reversal, in the Touchscreen Operant Chamber. *eNeuro*, 11(6). <https://doi.org/10.1523/ENEURO.0120-24.2024>

Shin, J.-Y., Ha, M. W., Kim, J. H., Cheon, J., Lee, G. H., Paek, S.-M., & Lee, Y. (2024). Dual inhibition of AIMP2 and α -synuclein by steroid derivative is neuroprotective in Parkinson's model. *iScience*, 0(0). <https://doi.org/10.1016/j.isci.2024.111165>

Soydan, M., Arabaci, G., Utlü, N., Halici, M. B., Senoçak, E. A., & Kiliclioglu, M. (2024). Gastroprotective effect of water extract of *Muscari neglectum* on indomethacin-induced gastric ulcer in rats. Research Square. <https://doi.org/10.21203/rs.3.rs-4330113/v1>

Torres, D. B., Lopes, A., Rodrigues, A. J., Ventura-Silva, A. P., Sousa, N., Gontijo, J. A. R., Boer, P. A., & Lopes, M. G. (n.d.). Early morphological and neurochemical changes of the bed nucleus of stria terminalis (BNST) in gestational protein-restricted male offspring. *Nutritional Neuroscience*, 0(0), 1–19. <https://doi.org/10.1080/1028415X.2024.2320498>

Turcato, F. C., Wegman, E., Lu, T., Ferguson, N., & Luo, Y. (2022). Dopaminergic neurons are not a major Sonic hedgehog ligand source for striatal cholinergic or PV interneurons. *iScience*, 25(11), 105278. <https://doi.org/10.1016/j.isci.2022.105278>

Turegano-Lopez, M., de las Pozas, F., Santuy, A., Rodriguez, J.-R., DeFelipe, J., & Merchan-

Perez, A. (2024). Tracing nerve fibers with volume electron microscopy to quantitatively analyze brain connectivity. *Communications Biology*, 7(1), 1–16. <https://doi.org/10.1038/s42003-024-06491-0>

Uchimura, Y., Hino, K., Hattori, K., Kubo, Y., Owada, A., Kimura, T., Sugawara, L., Kume, S., Bellier, J.-P., Yanagisawa, D., Shiino, A., Nakayama, T., Daigo, Y., Mashimo, T., & Udagawa, J. (2024). Knockout of the orphan membrane transporter Slc22a23 leads to a lean and hyperactive phenotype with a small hippocampal volume. *PLOS ONE*, 19(8), e0309461. <https://doi.org/10.1371/journal.pone.0309461>

Velázquez-Delgado, C., Hernández-Ortiz, E., Landa-Navarro, L., Tapia-Rodríguez, M., Moreno- Castilla, P., & Bermúdez-Rattoni, F. (2024). Repeated exposure to novelty promotes resilience against the amyloid-beta effect through dopaminergic stimulation. *Psychopharmacology*. <https://doi.org/10.1007/s00213-024-06650-5>

Veza, C., Ruger, L., Langman, M., Vickers, E., Prada, F., Sukovich, J., Hall, T., Xu, Z., Parker, R. L., Vlaisavljevich, E., & Rossmeisl, J. H. (2024). First-In-DOg HISTotripsy for Intracranial Tumors Trial: The FIDOIST Study. *Technology in Cancer Research & Treatment*, 23, 15330338241285158. <https://doi.org/10.1177/15330338241285158>

Waddell, J., Lin, S., Carter, K., Truong, T., Hebert, M., Ojeda, N., Fan, L.-W., Bhatt, A., & Pang, Y. (2024). Early Postnatal Neuroinflammation Produces Key Features of Diffuse Brain White Matter Injury in Rats. *Brain Sciences*, 14(10), Article 10. <https://doi.org/10.3390/brainsci14100976>

Würfel, T. (2024). *Behandlung von im Tierversuch experimentell induzierten Sehnenteildefekten mit adulten, autologen und allogenen, aus Fettgewebe gewonnenen regenerativen Zellen* [Text.PhDThesis, Ludwig-Maximilians-Universität München]. <https://edoc.ub.uni-muenchen.de/33758/>

Xie, F., Shen, Bi., Luo, Y., Zhou, H., Xie, Z., Zhu, S., Wei, X., Chang, Z., Zhu, Z., Ding, C., Jin, K., Yang, C., Batzu, L., Chaudhuri, K. R., Chan, L.-L., Tan, E.-K., & Wang, Q. (2024). *Repetitive transcranial magnetic stimulation alleviates motor impairment in Parkinson's disease: Association with peripheral inflammatory regulatory T-cells and SYT6*. Research Square. <https://doi.org/10.21203/rs.3.rs-4959031/v1>

Xing, Y., Ma, X., Zhai, R., Chen, W., & Yan, H. (2024). GDF11 improves hippocampal neurogenesis and cognitive abilities in diabetic mice by reducing neural inflammation. *Brain, Behavior, and Immunity*, 120, 21–31. <https://doi.org/10.1016/j.bbi.2024.05.024>

Yakut, S., Atcali, T., Çağlayan, C., Ulucan, A., Kandemir, F. M., Kara, A., & Anuk, T. (2024). *Therapeutic Potential of Silymarin in Mitigating Paclitaxel-Induced Hepatotoxicity and Nephrotoxicity: Insights into Oxidative Stress, Inflammation, and Apoptosis in Rats*. <https://doi.org/10.4274/balkanmedj.galenos.2024.2024-1-60>

Yamaguchi, H., Nishimura, Y., Matsuse, D., Sekiya, H., Masaki, K., Tanaka, T., Saiga, T., Harada, M., Kira, Y., Dickson, D. W., Fujishima, K., Matsuo, E., Tanaka, K. F., Yamasaki, R., Isobe, N., & Kira, J. (2024). A rapidly progressive multiple system atrophy-cerebellar variant model presenting marked glial reactions with inflammation and spreading of α -synuclein oligomers and phosphorylated α -synuclein aggregates. *Brain, Behavior, and Immunity*, 121, 122–141. <https://doi.org/10.1016/j.bbi.2024.07.004>

Yan, C., Mercaldo, V., Jacob, A. D., Kramer, E., Mocle, A., Ramsaran, A. I., Tran, L., Rashid, A. J., Park, S., Insel, N., Redish, A. D., Frankland, P. W., & Josselyn, S. A. (2024). Higher-order interactions between hippocampal CA1 neurons are disrupted in amnesic mice. *Nature Neuroscience*, 27(9), 1794–1804. <https://doi.org/10.1038/s41593-024-01713-4>

Yao, Z., Jia, F., Wang, S., Jiao, Q., Du, X., Chen, X., & Jiang, H. (2024). The involvement of IRP2- induced ferroptosis through the p53-SLC7A11-ALOX12 pathway in Parkinson's disease. *Free Radical Biology and Medicine*, 222, 386–396. <https://doi.org/10.1016/j.freeradbiomed.2024.06.020>

Yozgatli, T. K., Gelenli Dolanbay, E., Cingoz, T., Paksoy, A. E., Uslu, U., Ovali, E., & Kocaoglu, B. (2024). Satellite myoblast and mesenchymal stem cell injections decrease fatty

degeneration after rotator cuff tear in rats. *Journal of Experimental Orthopaedics*, 11(3), e12087. <https://doi.org/10.1002/jeo2.12087>

Zhang, K., Zhu, Y., Fenik, P., Fleysh, D., Ly, C., Thomas, S. A., & Veasey, S. (2024). Norepinephrine Drives Sleep Fragmentation Activation of Asparagine Endopeptidase, Locus Ceruleus Degeneration, and Hippocampal Amyloid- β 42 Accumulation. *Journal of Neuroscience*, 44(28). <https://doi.org/10.1523/JNEUROSCI.1929-23.2024>

Zhao, X., Kang, Z., Han, R., Wang, M., Wang, Y., Sun, X., Wang, C., Zhou, J., Cao, L., & Lu, M. (2024). JWA binding to NCOA4 alleviates degeneration in dopaminergic neurons through suppression of ferritinophagy in Parkinson's disease. *Redox Biology*, 73, 103190. <https://doi.org/10.1016/j.redox.2024.103190>

Zhao, Y., Shen, W., Zhang, M., Guo, M., Dou, Y., Han, S., Yu, J., Cui, M., & Zhao, Y. (2024). DDAH-1 maintains endoplasmic reticulum-mitochondria contacts and protects dopaminergic neurons in Parkinson's disease. *Cell Death & Disease*, 15(6), 1–15. <https://doi.org/10.1038/s41419-024-06772-w>

ZHU, Z. (2024). *L'assenza di Parkin non promuove la disfunzione di dopamina o del mitocondrio in topi mutatori mitocondriali PolgAD257A/D257A*. <https://thesis.unipd.it/handle/20.500.12608/70621>

Zhu, Z., Cheng, Y., Han, X., Wang, T., Zhang, H., Yao, Q., Chen, F., Gu, L., Yang, D., Chen, L., & Zhao, Y. (2024). 20(S)-Protopanaxadiol Exerts Antidepressive Effects in Chronic Corticosterone-Induced Rodent Animal Models as an Activator of Brain-Type Creatine Kinase. *Journal of Agricultural and Food Chemistry*, 72(18), 10376–10390. <https://doi.org/10.1021/acs.jafc.4c00415>

Adams, April D., Jielu Lin, Diana W. Bianchi, Lauren Bishop, Taisuke Sato, Laura L. Baxter, Victoria Hoffmann, Laura Koehly, and Faycal Guedj. "Embryonic Statistical Analyses Reveal 2 Growth Phenotypes in Mouse Models of Down Syndrome." *American Journal of Obstetrics and Gynecology* 230, no. 2 (February 1, 2024): 258.e1–258.e11. <https://doi.org/10.1016/j.jog.2023.07.056>

Agrawal, Sonal, Sue E Leurgans, Lisa L Barnes, Kristen Dams-O'Connor, Jesse Mez, David A Bennett, and Julie A Schneider. "Chronic Traumatic Encephalopathy and Aging-Related Tau Astroglialopathy in Community-Dwelling Older Persons with and without Moderate-to-Severe Traumatic Brain Injury." *Journal of Neuropathology & Experimental Neurology* 83, no. 3 (March 1, 2024): 181–93. <https://doi.org/10.1093/jnen/nlae007>

Akarsu, G. D., E. Erbaş, and S. A. Akarsu. "Effect of Dressing with Different Antiseptic Agents on Reproductive Parameters in Rats Undergoing Abdominal Incision." *Polish Journal of Veterinary Sciences*, 2024, 35–42. <https://doi.org/10.24425/pjvs.2024.149331>

Andersen, Susan L. "Increasing CB2 Receptor Activity after Early Life Stress Prevents Depressive Behavior in Female Rats." *Biomolecules* 14, no. 4 (April 2024): 464. <https://doi.org/10.3390/biom14040464>

Avvisati, Riccardo, Anna-Kristin Kaufmann, Callum J. Young, Gabriella E. Portlock, Sophie Cancemi, Rui Ponte Costa, Peter J. Magill, and Paul D. Dodson. "Distributional Coding of Associative Learning in Discrete Populations of Midbrain Dopamine Neurons." *Cell Reports* 43, no. 4 (April 2024): 114080. <https://doi.org/10.1016/j.celrep.2024.114080>

Belfiori, Lautaro Francisco, Alfredo Dueñas Rey, Dorottya Mária Ralbovszki, Itzia Jimenez- Ferrer, Filip Fredlund, Sagar Shivayogi Balikal, Dag Ahren, Kajsa Atterling Brolin, and Maria Swanberg. "Nigral Transcriptomic Profiles in Engrailed-1 Hemizygous Mouse Models of Parkinson's Disease Reveal Upregulation of Oxidative Phosphorylation-Related Genes Associated with Delayed Dopaminergic Neurodegeneration." *Frontiers in Aging Neuroscience* 16 (February 5, 2024). <https://doi.org/10.3389/fnagi.2024.1337365>

Bojarzadeh, Hadis, Giulia Lazzarini, Alessandra Gatta, Javad Sadeghinezhad, Leila Samieeroudy, Andrea Pirone, and Vincenzo Miragliotta. "Three-Dimensional Morphometry of the Testis in Dog Using Design-Unbiased Stereology." *Anatomia, Histologia, Embryologia* 53, no. 1 (2024): e12968. <https://doi.org/10.1111/ah.12968>.

Britten, Joy, Jaime A. Roura-Monllor, Minnie Malik, Sean Moran, Anthony DeAngelis, Paul Driggers, Sadia Afrin, Mostafa Borahay, and William H. Catherino. "Simvastatin Induces Degradation of the Extracellular Matrix in Human Leiomyomata: Novel in Vitro, in Vivo, and Patient Level Evidence of Matrix Metalloproteinase Involvement." *F&S Science* 5, no. 1 (February 1, 2024): 80–91. <https://doi.org/10.1016/j.xfss.2023.11.005>.

Chen, Yingchuan, Guanyu Zhu, Tianshuo Yuan, Ruoyu Ma, Xin Zhang, Fangang Meng, Anchao Yang, Tingting Du, and Jianguo Zhang. "Subthalamic Nucleus Deep Brain Stimulation Alleviates Oxidative Stress via Mitophagy in Parkinson's Disease." *Npj Parkinson's Disease* 10, no. 1 (March 6, 2024): 1–15. <https://doi.org/10.1038/s41531-024-00668-4>.

Chiang, Sarah N, Gretchen A Meyer, Gary B Skolnick, Daniel A Hunter, Matthew D Wood, Xiaowei Li, Alison K Snyder-Warwick, and Kamlesh B Patel. "Effect of Veau Class on Levator Veli Palatini Muscle Composition." *The Cleft Palate Craniofacial Journal* 61, no. 2 (February 1, 2024): 319–25. <https://doi.org/10.1177/10556656221127840>.

Cruz-Ochoa, Natalia Andrea, Livia Clemente Motta-Teixeira, Pablo Felipe Cruz-Ochoa, Santiago Lopez-Paredes, Julieta Esperanza Ochoa-Amaya, Silvia Honda Takada, Gilberto Fernando Xavier, and Maria Inês Nogueira. "Post-Weaning Social Isolation Modifies Neonatal Anoxia-Induced Changes in Energy Metabolism and Growth of Rats." *International Journal of Developmental Neuroscience* n/a, no. n/a. Accessed April 15, 2024. <https://doi.org/10.1002/jdn.10327>.

Dellacqua, Lais Oliveira, Paula Magalhães Gomes, Julia Santos Batista, Lisete Compagno Michelini, and Vagner Roberto Antunes. "Exercise-Induced Neuroplasticity in Autonomic Nuclei Restores the Cardiac Vagal Tone and Baroreflex Dysfunction in Aged Hypertensive Rats." *Journal of Applied Physiology* 136, no. 1 (January 2024): 189–98. <https://doi.org/10.1152/jappphysiol.00433.2023>.

Dong, Hongtian, Xiaoshuang Zhang, Yufei Duan, Yongtao He, Jiayin Zhao, Zishan Wang, Jinghui Wang, et al. "Hypoxia Inducible Factor-1 α Regulates Microglial Innate Immune Memory and the Pathology of Parkinson's Disease." *Journal of Neuroinflammation* 21, no. 1 (March 30, 2024): 80. <https://doi.org/10.1186/s12974-024-03070-2>.

Evans, Andrew K., Nay L. Saw, Claire E. Woods, Laura M. Vidano, Sarah E. Blumenfeld, Rachel K. Lam, Emily K. Chu, Chris Reading, and Mehrdad Shamlou. "Impact of High-Fat Diet on Cognitive Behavior and Central and Systemic Inflammation with Aging and Sex Differences in Mice." *Brain, Behavior, and Immunity* 118 (May 1, 2024): 334–54. <https://doi.org/10.1016/j.bbi.2024.02.025>.

Flori, Lorenzo, Giulia Lazzarini, Jacopo Spezzini, Andrea Pirone, Vincenzo Calderone, Lara Testai, and Vincenzo Miragliotta. "The Isoproterenol-Induced Myocardial Fibrosis: A Biochemical and Histological Investigation." *Biomedicine & Pharmacotherapy* 174 (May 1, 2024): 116534. <https://doi.org/10.1016/j.biopha.2024.116534>.

Fuller, Oliver K, Casey L Egan, Tina L Robinson, Nimna Perera, Heidi K Latchman, Lauren V Terry, Emma D McLennan, et al. "Exercise Training Improves Long-Term Memory in Obese Mice." *Life Metabolism* 3, no. 1 (February 1, 2024): load043. <https://doi.org/10.1093/lifemeta/load043>.

Ganesan, Kiruthika, Peggy Rentsch, Alexander Langdon, Luke T. Milham, and Bryce Vissel. "Modeling Sporadic Alzheimer's Disease in Mice by Combining Apolipoprotein E4 Risk Gene with Environmental Risk Factors." *Frontiers in Aging Neuroscience* 16 (February 27, 2024). <https://doi.org/10.3389/fnagi.2024.1357405>.

Gelen, Volkan, Seçkin Özkanlar, Adem Kara, and Ali Yeşildağ. "Citrate-Coated Silver Nanoparticles Loaded with Agomelatine Provide Neuronal Therapy in Acute Cerebral Ischemia/Reperfusion of Rats by Inhibiting the Oxidative Stress, Endoplasmic Reticulum

Stress, and P2X7 Receptor-Mediated Inflammasome." *Environmental Toxicology* 39, no. 3 (2024): 1531–43. <https://doi.org/10.1002/tox.24021>.

Guo, Qinglong, Yi Wang, Liangchen Yu, Liao Guan, Xuefei Ji, Xiaohui Li, Gang Pang, Zhenhua Ren, Lei Ye, and Hongwei Cheng. "Nicotine Restores Olfactory Function by Activation of prok2R/Akt/FoxO3a Axis in Parkinson's Disease." *Journal of Translational Medicine* 22, no. 1 (April 12, 2024): 350. <https://doi.org/10.1186/s12967-024-05171-1>.

Hack, Wyatt, Noah Gladen-Kolarsky, Swarnali Chatterjee, Qiaoli Liang, Urmila Maitra, Lukasz Ciesla, and Nora E. Gray. "Gardenin A Treatment Attenuates Inflammatory Markers, Synuclein Pathology and Deficits in Tyrosine Hydroxylase Expression and Improves Cognitive and Motor Function in A53T- α -Syn Mice." *Biomedicine & Pharmacotherapy* 173 (April 1, 2024): 116370. <https://doi.org/10.1016/j.biopha.2024.116370>.

Hamraghani, Ali. "Ceramide as Therapeutic Targets in Bronchopulmonary Dysplasia." Université d'Ottawa / University of Ottawa, 2024. <http://hdl.handle.net/10393/46034>.

Jahan, Naznin. "Concurrent Loss of FTD Genes C9orf72 and Grn Exacerbates Neuroinflammation via Autoimmune Dysfunction." UCSF, 2024. <https://escholarship.org/uc/item/1nt629c3>.

Jeong, Dae Jin, Jee-Hyun Um, Young Yeon Kim, Dong Jin Shin, Sangwoo Im, Kang-Min Lee, Yun-Hee Lee, Dae-sik Lim, Donghoon Kim, and Jeanho Yun. "The Mst1/2-BNIP3 Axis Is Required for Mitophagy Induction and Neuronal Viability under Mitochondrial Stress." *Experimental & Molecular Medicine* 56, no. 3 (March 2024): 674–85. <https://doi.org/10.1038/s12276-024-01198-y>.

Kang, Woojin, Imane Frouni, Cynthia Kwan, Louis Desbiens, Adjia Hamadjida, and Philippe Huot. "Activation of mGlu2/3 Receptors with the Orthosteric Agonist LY-404,039 Alleviates Dyskinesia in Experimental Parkinsonism." *Behavioural Pharmacology*, 10.1097/FBP.0000000000000765. Accessed April 15, 2024. <https://doi.org/10.1097/FBP.0000000000000765>.

Kearney, Patrick J., Yuanxi Zhang, Marianna Liang, Yanglan Tan, Elizabeth Kahuno, Tucker L. Conklin, Rita R. Fagan, et al. "Silencing Parkinson's Risk Allele Rit2 Sex-Specifically Compromises Motor Function and Dopamine Neuron Viability." *Npj Parkinson's Disease* 10, no. 1 (February 23, 2024): 1–14. <https://doi.org/10.1038/s41531-024-00648-8>.

Kennedy, Catherine. "The Role of Toll-like Receptors in Parkinson's Disease," February 16, 2024. <https://www.repository.cam.ac.uk/handle/1810/364429>.

Kerdiles, Olivier, Méryl-Farelle Oye Mintsia Mi-mba, Katherine Coulombe, Cyntia Tremblay, Vincent Emond, Martine Saint-Pierre, Clémence Rouxel, et al. "Additive Neurorestorative Effects of Exercise and Docosahexaenoic Acid Intake in a Mouse Model of Parkinson's Disease." *Neural Regeneration Research*, 10.4103/NRR.NRR. Accessed April 15, 2024. <https://doi.org/10.4103/NRR.NRR-D-23-00595>.

Laranjeira, Inês Martins, Elisabete Apolinário, Diana Amorim, Ademar Alves da Silva Filho, Alberto Carlos Pires Dias, and Filipa Pinto-Ribeiro. "Baccharis Dracunculifolia DC Consumption Improves Nociceptive and Depressive-like Behavior in Rats with Experimental Osteoarthritis." *Foods* 13, no. 4 (January 2024): 535. <https://doi.org/10.3390/foods13040535>.

Laursen, Anne-Line Strange, Mikkel Vestergaard Olesen, Jonas Folke, Tomasz Brudek, Luisa Harriet Knecht, Florence Sotty, Kate Lykke Lambertsen, Karina Fog, Louise Torp Dalgaard, and Susana Aznar. "Systemic Inflammation Activates Coagulation and Immune Cell Infiltration Pathways in Brains with Propagating α -Synuclein Fibril Aggregates." *Molecular and Cellular Neuroscience* 129 (June 1, 2024): 103931. <https://doi.org/10.1016/j.mcn.2024.103931>.

Li, Yun, Rodney M. Ritzel, Junyun He, Simon Liu, Li Zhang, and Junfang Wu. "Ablation of the Integrin CD11b Mac-1 Limits Deleterious Responses to Traumatic Spinal Cord Injury and Improves Functional Recovery in Mice," April 4, 2024. <https://doi.org/10.21203/rs.3.rs-4196316/v1>.

Liao, Chia-Chi, Mariana Gabi, Hui-Xin Qi, and Jon H. Kaas. "The Postnatal Development of Retinal Projections in Strepsirrhine Galagos (*Otolemur Garnettii*)." *Journal of Comparative Neurology* 532, no. 2 (2024): e25565. <https://doi.org/10.1002/cne.25565>.

Lopes, Katia de Paiva, Lei Yu, Xianli Shen, Yiguo Qiu, Shinya Tasaki, Artemis Iatrou, Michal Schnaider Beerli, et al. "Associations of Cortical SPP1 and ITGAX with Cognition and Common Neuropathologies in Older Adults." *Alzheimer's & Dementia* 20, no. 1 (2024): 525–37. <https://doi.org/10.1002/alz.13474>.

Lopes-Silva, L. B., D. M. G. Cunha, A. C. Lima, V. S. Bioni, N. Gonçalves, J. P. F. Kurita, R. Wuo- Silva, and R. H. Silva. "Sleep Deprivation Induces Late Deleterious Effects in a Pharmacological Model of Parkinsonism." *Experimental Brain Research*, March 18, 2024. <https://doi.org/10.1007/s00221-024-06811-0>.

López-Murillo, Carolina, Santiago Hinestroza-Morales, Pablo Henny, Jorge Toledo, Gloria Patricia Cardona-Gómez, Héctor Rivera-Gutiérrez, and Rafael Posada-Duque. "Differences in Vocal Brain Areas and Astrocytes between the House Wren and the Rufous-Tailed Hummingbird." *Frontiers in Neuroanatomy* 18 (March 27, 2024). <https://doi.org/10.3389/fnana.2024.1339308>.

Mahoney, Heather L., Charissa A. Bloom, Hannah S. Justin, Bianca M. Capraro, Christopher Morris, David Gonzalez, Emily Sandefur, et al. "DISC1 and Reelin Interact to Alter Cognition, Inhibition, and Neurogenesis in a Novel Mouse Model of Schizophrenia." *Frontiers in Cellular Neuroscience* 17 (January 12, 2024). <https://doi.org/10.3389/fncel.2023.1321632>.

Martinez, Christopher A., Harry Pantazopoulos, Barbara Gisabella, Emily T. Stephens, Jacob Garteiser, and Alberto Del Arco. "Choice Impulsivity after Repeated Social Stress Is Associated with Increased Perineuronal Nets in the Medial Prefrontal Cortex." *Scientific Reports* 14, no. 1 (March 26, 2024): 7093. <https://doi.org/10.1038/s41598-024-57599-6>.

Mayegowda, Shilpa Borehalli, Bhagya Venkanna Rao, and Byrathnahalli Suryanarayana Rao Shankaranarayana Rao. "Escitalopram Treatment Ameliorates Chronic Immobilization Stress-Induced Depressive Behavior and Cognitive Deficits by Modulating BDNF Expression in the Hippocampus." *Journal of Applied Pharmaceutical Science* 14, no. 3 (March 5, 2024): 170–82. <https://doi.org/10.7324/JAPS.2024.158094>.

Melachroinou, Katerina, Georgios Divolis, George Tsafaras, Mantia Karampetsou, Sotirios Fortis, Yannis Stratoulas, Gina Papadopoulou, Anastasios G Kriebardis, Martina Samiotaki,

and Kostas Vekrellis. "Endogenous Alpha-Synuclein Is Essential for the Transfer of Pathology by Exosome-Enriched Extracellular Vesicles, Following Inoculation with Preformed Fibrils in Vivo." *Aging and Disease* 15, no. 2 (April 1, 2024): 869–92. <https://doi.org/10.14336/AD.2023.0614>.

Morrissey, Zachery D., Jin Gao, Aashutosh Shetti, Wenping Li, Liang Zhan, Weiguo Li, Igor Fortel, et al. "Temporal Alterations in White Matter in An App Knock-In Mouse Model of Alzheimer's Disease." *eNeuro* 11, no. 2 (February 1, 2024). <https://doi.org/10.1523/ENEURO.0496-23.2024>.

Morrow, Andrea, Laura Smale, Paul Douglas Meek, and Barbara Lundrigan. "Tradeoffs in the Sensory Brain between Diurnal and Nocturnal Rodents." *Brain, Behavior and Evolution*, April 3, 2024. <https://doi.org/10.1159/000538090>.

Nam, Younwoo, Jiyeon Na, Shi-Xun Ma, Haeun Park, Hyeonwoo Park, Eunmin Lee, Hyerynn Kim, Sang-Min Jang, Han Seok Ko, and Sangjune Kim. "DJ-1 Protects Cell Death from a Mitochondrial Oxidative Stress Due to GBA1 Deficiency." *Genes & Genomics*, March 9, 2024. <https://doi.org/10.1007/s13258-024-01506-w>.

Negeri, Olanta. "The Role of the ELAVL Family of RNA-Binding Proteins in LRRK2-Dependent Models of Parkinson's Disease." Université d'Ottawa / University of Ottawa, 2024. <http://hdl.handle.net/10393/45935>.

Nekanti, Usha, Pooja S. Sakthivel, Atena Zahedi, Dana A. Creasman, Rebecca A. Nishi, Courtney M. Dumont, Katja M. Piltti, et al. "Multichannel Bridges and NSC Synergize to Enhance Axon Regeneration, Myelination, Synaptic Reconnection, and Recovery after SCI." *Npj Regenerative Medicine* 9, no. 1 (March 18, 2024): 1–20. <https://doi.org/10.1038/s41536-024-00356-0>.

Paldino, Emanuela, Giorgia Migliorato, and Francesca R. Fusco. "Neuroimmune Pathways Involvement in Neurodegeneration of R6/2 Mouse Model of Huntington's Disease." *Frontiers in Cellular Neuroscience* 18 (February 20, 2024). <https://doi.org/10.3389/fncel.2024.1360066>.

Racicot, Kelsey J., Jackson R. Ham, Jacqueline K. Augustine, Rie Henriksen, Dominic Wright, and Andrew N. Iwaniuk. "A Comparison of Telencephalon Composition among Chickens, Junglefowl, and Wild Galliforms." *Brain Behavior and Evolution*, February 17, 2024, 1–12. <https://doi.org/10.1159/000537844>.

Ratz-Wirsching, Veronika, Johanna Habermeyer, Sandra Mocer, Julia Harrer, Christoph Schmitz, and Stephan von Hörsten. "Gene-Dosage- and Sex-Dependent Differences in the Prodromal-Like Phase of the F344tgHD Rat Model for Huntington Disease." *Frontiers in Neuroscience* 18 (February 7, 2024). <https://doi.org/10.3389/fnins.2024.1354977>.

Rogers, Deborah J., Brennan P. Bergeron, Glen M. Watson, and Karen Müller Smith. "3D Printed Chamber for Live Cell Imaging on an Upright Epifluorescence Microscope." *Journal of Biological Education* 58, no. 1 (January 1, 2024): 202–8. <https://doi.org/10.1080/00219266.2022.2030389>.

Şahin, Yaşar, Evren Üstüner, Hidayet Tutun, Ebru Yildirim, Oğuz Eroğlu, Efe Kurtdede, Yasin Ozkabadayı, Enes Güncüm, Kürşat Kutluca, and Ahmet Bilgehan Bilge. "Effects of Edaravone

on Testicular Torsion–Detorsion Injury in Rats." *Andrology* n/a, no. n/a. Accessed April 15, 2024. <https://doi.org/10.1111/andr.13628>.

"Effects of Edaravone on Testicular Torsion–Detorsion Injury in Rats." *Andrology* n/a, no. n/a. Accessed April 15, 2024. <https://doi.org/10.1111/andr.13628>.

Schytz, Camilla Tvede, Niels Ørtenblad, Anne-Kristine Meinild Lundby, Robert Acton Jacobs, Joachim Nielsen, and Carsten Lundby. "Skeletal Muscle Mitochondria Demonstrate Similar Respiration per Cristae Surface Area Independent of Training Status and Sex in Healthy Humans." *The Journal of Physiology* 602, no. 1 (2024): 129–51. <https://doi.org/10.1113/JP285091>.

Talati, Chirag P., Jonathan W. Lee, Silu Lu, Norma B. Ojeda, Varsha Prakash, Nilesh Dankhara, Tanner C. Nielson, et al. "Intranasal Insulin Attenuates Hypoxia-Ischemia-Induced Short-Term Sensorimotor Behavioral Disturbances, Neuronal Apoptosis, and Brain Damage in Neonatal Rats." *Current Research in Neurobiology* 6 (January 1, 2024): 100123. <https://doi.org/10.1016/j.crneur.2023.100123>.

Thi Lai, Thuy, Young Eun Kim, Linh Thi Nhat Nguyen, Tinh Thi Nguyen, In Hee Kwak, Franziska Richter, Yun Joong Kim, and Hyeo-il Mã. "Microglial Inhibition Alleviates Alpha-Synuclein Propagation and Neurodegeneration in Parkinson's Disease Mouse Model." *Npj Parkinson's Disease* 10, no. 1 (February 2, 2024): 1–10. <https://doi.org/10.1038/s41531-024-00640-2>.

Valeri, Jake, Charlotte Stiplosek, Sinead M. O'Donovan, David Sinclair, Kathleen A. Grant, Ratna Bollavarapu, Donna M. Platt, Craig A. Stockmeier, Barbara Gisabella, and Harry Pantazopoulos. "Extracellular Matrix Abnormalities in the Hippocampus of Subjects with Substance Use Disorder." *Translational Psychiatry* 14, no. 1 (February 24, 2024): 1–12. <https://doi.org/10.1038/s41398-024-02833-y>.

Vázquez-Ágredos, Ana, Marta Valero, Teresa Aparicio-Mescua, Raquel García-Rodríguez, Fernando Gámiz, and Milagros Gallo. "Adolescent Alcohol Exposure Modifies Adult Anxiety-like Behavior and Amygdala Sensitivity to Alcohol in Rats: Increased c-Fos Activity and Sex-Dependent microRNA-182 Expression." *Pharmacology Biochemistry and Behavior* 238 (May 1, 2024): 173741. <https://doi.org/10.1016/j.pbb.2024.173741>.

Wang, Cheryl L., Jessica M. Skeie, Chantal Allamargot, Andrew S. Goldstein, Darryl Y. Nishimura, James M. Huffman, Benjamin T. Aldrich, et al. "Rat Model of Type 2 Diabetes Mellitus Recapitulates Human Disease in the Anterior Segment of the Eye." *The American Journal of Pathology*, February 24, 2024. <https://doi.org/10.1016/j.ajpath.2024.02.004>.

Wang, Min, Tian Tian, Hong Zhou, Si-Yuan Jiang, Ying-Ying Jiao, Zhu Zhu, Jiang Xia, Jian-Hua Ma, and Ren-Hong Du. "Metformin Normalizes Mitochondrial Function to Delay Astrocyte Senescence in a Mouse Model of Parkinson's Disease through Mfn2-cGAS Signaling." *Journal of Neuroinflammation* 21, no. 1 (April 2, 2024): 81. <https://doi.org/10.1186/s12974-024-03072-0>.

Weber, Matthew A., Gemma Kerr, Ramasamy Thangavel, Mackenzie M. Conlon, Serena B. Gumusoglu, Kalpana Gupta, Hisham A. Abdelmotilib, et al. "Alpha-Synuclein Pre-Formed Fibrils Injected into Prefrontal Cortex Primarily Spread to Cortical and Subcortical

Structures." *Journal of Parkinson's Disease* 14, no. 1 (January 1, 2024): 81–94. <https://doi.org/10.3233/JPD-230129>.

Zhang, Xiaoshuang, Yunhe Zhang, Boya Wang, Chuantong Xie, Jinghui Wang, Rong Fang, Hongtian Dong, et al. "Pyroptosis-Mediator GSDMD Promotes Parkinson's Disease Pathology via Microglial Activation and Dopaminergic Neuronal Death." *Brain, Behavior, and Immunity* 119 (July 1, 2024): 129–45. <https://doi.org/10.1016/j.bbi.2024.03.038>.

Zhou, Yishan, Liang Chen, Xiulan Zheng, Qijun Fang, Yunzhi Qian, Tianshu Xu, Jun Liang, Huajun Zhang, Xiaojuan Han, and Lingyun Sun. "Microglia Orchestrate Synaptic and Neuronal Stripping: Implication in Neuropsychiatric Lupus." *Journal of Cellular and Molecular Medicine* 28, no. 7 (2024): e18190. <https://doi.org/10.1111/jcmm.18190>.

Abbott, Parker W., Jason B. Hardie, Kyle P. Walsh, Aaron J. Nessler, Sean J. Farley, John H. Freeman, John A. Wemmie, et al. "Knockdown of the Non-Canonical Wnt Gene Prickle2 Leads to Cerebellar Purkinje Cell Abnormalities While Cerebellar-Mediated Behaviors Remain Intact." *The Cerebellum*, January 2, 2024. <https://doi.org/10.1007/s12311-023-01648-9>.

Agrawal, Sonal, Sue E Leurgans, Lisa L Barnes, Kristen Dams-O'Connor, Jesse Mez, David A Bennett, and Julie A Schneider. "Chronic Traumatic Encephalopathy and Aging-Related Tau Astrogliopathy in Community-Dwelling Older Persons with and without Moderate-to-Severe Traumatic Brain Injury." *Journal of Neuropathology & Experimental Neurology* 83, no. 3 (March 1, 2024): 181–93. <https://doi.org/10.1093/jnen/nlae007>.

Bilu, Carmel, Neta Butensky, Amit Richter Malamud, Haim Einat, Paul Zimmet, Ofira Zloto, Hana Ziv, Noga Kronfeld-Schor, and Vicktoria Vishnevskia-Dai. "Effects of Photoperiod and Food on Glucose Intolerance and Subsequent Ocular Pathology in the Fat Sand Rat." *Scientific Reports* 14, no. 1 (January 3, 2024): 403. <https://doi.org/10.1038/s41598-023-44584-8>.

Bojarzadeh, Hadis, Giulia Lazzarini, Alessandra Gatta, Javad Sadeghinezhad, Leila Samieeroudy, Andrea Pirone, and Vincenzo Miragliotta. "Three-Dimensional Morphometry of the Testis in Dog Using Design-Unbiased Stereology." *Anatomia, Histologia, Embryologia* 53, no. 1 (2024): e12968. <https://doi.org/10.1111/ahc.12968>.

Broadfoot, Courtney K., Jesse D. Hoffmeister, Sarah A. Lechner, Maryann N. Krasko, Emily Lambert, John A. Russell, John C. Szot, et al. "Tongue and Laryngeal Exercises Improve Tongue Strength and Vocal Function Outcomes in a Pink1-/- Rat Model of Early Parkinson Disease." *Behavioural Brain Research* 460 (March 5, 2024): 114754. <https://doi.org/10.1016/j.bbr.2023.114754>.

Cesari, Eleonora, Donatella Farini, Vanessa Medici, Ingrid Ehrmann, Marika Guerra, Erika Testa, Chiara Naro, et al. "Differential Expression of Paralog RNA Binding Proteins Establishes a Dynamic Splicing Program Required for Normal Cerebral Cortex Development." *Nucleic Acids Research*, February 7, 2024, gkae071. <https://doi.org/10.1093/nar/gkae071>.

Chiang, Sarah N, Gretchen A Meyer, Gary B Skolnick, Daniel A Hunter, Matthew D Wood, Xiaowei Li, Alison K Snyder-Warwick, and Kamlesh B Patel. "Effect of Veau Class on Levator Veli Palatini Muscle Composition." *The Cleft Palate Craniofacial Journal* 61, no. 2 (February 1, 2024): 319–25. <https://doi.org/10.1177/10556656221127840>.

"Choice Impulsivity after Repeated Social Stress Is Associated with Increased Perineuronal Nets in the Medial Prefrontal Cortex," January 24, 2024. <https://doi.org/10.21203/rs.3.rs-3858050/v1>.

Dellacqua, Lais Oliveira, Paula Magalhães Gomes, Julia Santos Batista, Lisete Compagno Michelini, and Vagner Roberto Antunes. "Exercise-Induced Neuroplasticity in Autonomic Nuclei Restores the Cardiac Vagal Tone and Baroreflex Dysfunction in Aged Hypertensive Rats." *Journal of Applied Physiology* 136, no. 1 (January 2024): 189–98. <https://doi.org/10.1152/jappphysiol.00433.2023>.

Erbaş, Elif, Nevra Aydemir Celep, Deniz Tekiner, Aydın Genç, and Semin Gedikli. "Assessment of Toxicological Effects of Favipiravir (T-705) on the Lung Tissue of Rats: An Experimental Study." *Journal of Biochemical and Molecular Toxicology* 38, no. 1 (2024): e23536. <https://doi.org/10.1002/jbt.23536>.

Fuller, Oliver K, Casey L Egan, Tina L Robinson, Nimna Perera, Heidy K Latchman, Lauren V Terry, Emma D McLennan, et al. "Exercise Training Improves Long-Term Memory in Obese Mice." *Life Metabolism* 3, no. 1 (February 1, 2024): load043. <https://doi.org/10.1093/lifemeta/load043>.

Furtado, Marcio De Araujo, Vassiliki Aroniadou-Anderjaska, Taiza H. Figueiredo, Volodymyr I. Pidoplichko, James P. Aplan, Katia Rossetti, and Maria F. M. Braga. "Preventing Long-Term Brain Damage by Nerve Agent-Induced Status Epilepticus in Rat Models Applicable to Infants: Significant Neuroprotection by Tezampanel Combined with Caramiphen but Not by Midazolam Treatment." *Journal of Pharmacology and Experimental Therapeutics* 388, no. 2 (February 1, 2024): 432–50. <https://doi.org/10.1124/jpet.123.001710>.

González-Arnav, Emilio, Isabel Pérez-Santos, Lorena Jiménez-Sánchez, Elena Cid, Beatriz Gal, Liset M. de la Prida, and Carmen Cavada. "Immunohistochemical Field Parcellation of the Human Hippocampus along Its Antero-Posterior Axis." *Brain Structure and Function*, January 5, 2024. <https://doi.org/10.1007/s00429-023-02725-9>.

Kara, Hülya, and Deniz Tekiner. "Distributions and Expressions of Aquaporin-5 and 7 in the Testes of Developing Male Chicks." *Anatomia, Histologia, Embryologia* 53, no. 1 (2024): e12978. <https://doi.org/10.1111/ahe.12978>.

Kennedy, Catherine. "The Role of Toll-like Receptors in Parkinson's Disease," February 16, 2024. <https://www.repository.cam.ac.uk/handle/1810/364429>.

Laranjeira, Inês Martins, Elisabete Apolinário, Diana Amorim, Ademar Alves da Silva Filho, Alberto Carlos Pires Dias, and Filipa Pinto-Ribeiro. "Baccharis Dracunculifolia DC Consumption Improves Nociceptive and Depressive-like Behavior in Rats with Experimental Osteoarthritis." *Foods* 13, no. 4 (January 2024): 535. <https://doi.org/10.3390/foods13040535>.

Li, Yangxia, Qing Tong, Ye Wang, Yue Cheng, Yao Geng, Tian Tian, Yongsheng Yuan, Yi Fan, Ming Lu, and Kezhong Zhang. "Phosphorylated α -Synuclein Deposited in Schwann Cells Interacting with TLR2 Mediates Cell Damage and Induces Parkinson's Disease Autonomic Dysfunction." *Cell Death Discovery* 10, no. 1 (January 26, 2024): 1–13. <https://doi.org/10.1038/s41420-024-01824-8>.

Lim, Hye-Sun, and Gunhyuk Park. "Artemisinin Protects Dopaminergic Neurons against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Induced Neurotoxicity in a Mouse Model of Parkinson's Disease." *Biomedicine & Pharmacotherapy* 170 (January 1, 2024): 115972. <https://doi.org/10.1016/j.biopha.2023.115972>.

Lopes, Katia de Paiva, Lei Yu, Xianli Shen, Yiguo Qiu, Shinya Tasaki, Artemis Iatrou, Michal Schnaider Beerli, et al. "Associations of Cortical SPP1 and ITGAX with Cognition and Common Neuropathologies in Older Adults." *Alzheimer's & Dementia* 20, no. 1 (2024): 525–37. <https://doi.org/10.1002/alz.13474>.

Lüttig, Anika, Stefanie Perl, Maria Zetsche, Franziska Richter, Denise Franz, Marco Heerdegen, Rüdiger Köhling, and Angelika Richter. "Short-Term Stimulations of the Entopeduncular Nucleus Induce Cerebellar Changes of c-Fos Expression in an Animal Model of Paroxysmal Dystonia." *Brain Research* 1823 (January 15, 2024): 148672. <https://doi.org/10.1016/j.brainres.2023.148672>.

Madrid, Lidia I., Katelyn Hafey, Saurabh Bandhavkar, Gabriela O. Bodea, Javier Jimenez-Martin, Michael Milne, Tara L. Walker, Geoffrey J. Faulkner, Elizabeth J. Coulson, and Dhanisha J. Jhaveri. "Stimulation of the Muscarinic Receptor M4 Regulates Neural Precursor Cell Proliferation and Promotes Adult Hippocampal Neurogenesis." *Development* 151, no. 1 (January 2, 2024): dev201835. <https://doi.org/10.1242/dev.201835>.

Morrissey, Zachery D., Jin Gao, Aashutosh Shetti, Wenping Li, Liang Zhan, Weiguo Li, Igor Fortel, et al. "Temporal Alterations in White Matter in an App Knock-in Mouse Model of Alzheimer's Disease." *eNeuro*, January 30, 2024. <https://doi.org/10.1523/ENEURO.0496-23.2024>.

Muduli, Namita, Sai Aparna, Manorama Patri, and Khirrod Kumar Sahoo. "Saffron Stigma Extract and Crocin Play an Important Neuroprotective Role in Therapeutic Measures against Benzo[a]Pyrene-Induced Behavioral Alterations in Zebrafish." *Drug and Chemical Toxicology* 47, no. 1 (January 2, 2024): 131–42. <https://doi.org/10.1080/01480545.2023.2250576>.

Ratz-Wirsching, Veronika, Johanna Habermeyer, Sandra Mocer, Julia Harrer, Christoph Schmitz, and Stephan von Hörsten. "Gene-Dosage- and Sex-Dependent Differences in the Prodromal-Like Phase of the F344tgHD Rat Model for Huntington Disease." *Frontiers in Neuroscience* 18 (2024). <https://www.frontiersin.org/journals/neuroscience/articles/10.3389/fnins.2024.1354977>.

Rogers, Deborah J., Brennan P. Bergeron, Glen M. Watson, and Karen Müller Smith. "3D Printed Chamber for Live Cell Imaging on an Upright Epifluorescence Microscope." *Journal of Biological Education* 58, no. 1 (January 1, 2024): 202–8. <https://doi.org/10.1080/00219266.2022.2030389>.

"Silymarin Reduces Paclitaxel-Induced Lung Damage Via Down-Regulating P2X7R Expression and Inhibiting Inflammation and Apoptosis in the Rats." *The Pakistan Veterinary Journal*, 2024. <https://doi.org/10.29261/pakvetj/2024.129>.

Song, Ruihan, Huanhuan Chen, Runqing Zhan, Miaomiao Han, Longzhu Zhao, and Xiaoli Shen. "Vitamin E Protects Dopaminergic Neurons against Manganese-Induced Neurotoxicity through Stimulation of CHRM1 and KCNJ4." *Journal of Trace Elements in Medicine and Biology* 81 (January 1, 2024): 127326. <https://doi.org/10.1016/j.jtemb.2023.127326>.

Speidell, Andrew, Christy Agbey, and Italo Mocchetti. "Accelerated Neurodegeneration of Basal Forebrain Cholinergic Neurons in HIV-1 Gp120 Transgenic Mice: Critical Role of the P75 Neurotrophin Receptor." *Brain, Behavior, and Immunity* 117 (March 1, 2024): 347–55. <https://doi.org/10.1016/j.bbi.2024.01.215>.

Talati, Chirag P., Jonathan W. Lee, Silu Lu, Norma B. Ojeda, Varsha Prakash, Nilesh Dankhara, Tanner C. Nielson, et al. "Intranasal Insulin Attenuates Hypoxia-Ischemia-Induced Short- Term Sensorimotor Behavioral Disturbances, Neuronal Apoptosis, and Brain Damage in Neonatal Rats." *Current Research in Neurobiology* 6 (January 1, 2024): 100123. <https://doi.org/10.1016/j.crneur.2023.100123>.

Tan, Ji-Wei, Juan Ji An, Hannah Deane, Haifei Xu, Guey-Ying Liao, and Baoji Xu. "Neurotrophin-3 from the Dentate Gyrus Supports Postsynaptic Sites of Mossy Fiber-CA3 Synapses and Hippocampus-Dependent Cognitive Functions." *Molecular Psychiatry*, January 11, 2024, 1–13. <https://doi.org/10.1038/s41380-023-02404-5>.

Thi Lai, Thuy, Young Eun Kim, Linh Thi Nhat Nguyen, Tinh Thi Nguyen, In Hee Kwak, Franziska Richter, Yun Joong Kim, and Hyeo-il Ma. "Microglial Inhibition Alleviates Alpha- Synuclein Propagation and Neurodegeneration in Parkinson's Disease Mouse Model." *Npj Parkinson's Disease* 10, no. 1 (February 2, 2024): 1–10. <https://doi.org/10.1038/s41531-024-00640-2>.

Wang, Ling, Haoran Sha, Xiaoyi He, Yinyin Xie, Jiapeng Deng, Jiexuan Chen, Guoying Li, and Junhua Yang. "Neonatal IL-4 Over-Exposure Is Accompanied by Macrophage Accumulation in Dura Mater After Instant Anti-Inflammatory Cytokine Response in CSF." *Cellular and Molecular Neurobiology* 44, no. 1 (February 5, 2024): 18. <https://doi.org/10.1007/s10571-023-01451-4>.

Bedolla, Alicia M., Gabriel L. McKinsey, Kierra Ware, Nicolas Santander, Thomas D. Arnold, and Yu Luo. "A Comparative Evaluation of the Strengths and Potential Caveats of the Microglial Inducible CreER Mouse Models." *Cell Reports* 43, no. 1 (January 2024): 113660. <https://doi.org/10.1016/j.celrep.2023.113660>.

Koyuncu, Açelya Gül, Alev Cumbul, Elvan Yilmaz Akyüz, and Müge Kopuz Alvarez Noval. "Pomegranate Seed Oil Mitigates Liver and Kidney Damage in an Experimental Colitis Model: Modulation of NF- κ B Activation and Apoptosis." *Prostaglandins & Other Lipid Mediators* 171 (April 1, 2024): 106804. <https://doi.org/10.1016/j.prostaglandins.2023.106804>.

Madrid, Lidia I., Katelyn Hafey, Saurabh Bandhavkar, Gabriela O. Bodea, Javier Jimenez-Martin, Michael Milne, Tara L. Walker, Geoffrey J. Faulkner, Elizabeth J. Coulson, and

Dhanisha J. Jhaveri, "Stimulation of the Muscarinic Receptor M4 Regulates Neural Precursor Cell Proliferation and Promotes Adult Hippocampal Neurogenesis." *Development* 151, no. 1 (January 2, 2024): dev201835.
<https://doi.org/10.1242/dev.201835>.

"Saffron Stigma Extract and Crocin Play an Important Neuroprotective Role in Therapeutic Measures against Benz[a]Pyrene-Induced Behavioral Alterations in Zebrafish: Drug and Chemical Toxicology: Vol 47, No 1." Accessed January 19, 2024.
<https://www.tandfonline.com/doi/abs/10.1080/01480545.2023.2250576>.

Santos, Elis Brisa dos. "Papel do sistema Nociceptina/Orfanina FQ – receptor NOP no processamento da memória de reconhecimento de objetos." bachelorThesis, Universidade Federal do Rio Grande do Norte, 2024.
<https://repositorio.ufrn.br/handle/123456789/56672>.

Tan, JW., An, J.J., Deane, H. *et al.* Neurotrophin-3 from the dentate gyrus supports postsynaptic sites of mossy fiber-CA3 synapses and hippocampus-dependent cognitive functions. *Mol Psychiatry* (2024). <https://doi.org/10.1038/s41380-023-02404-5>

Santhosh Kumar, Harshitha, et al. "Mistranslation-associated perturbations of proteostasis do not promote accumulation of amyloid beta and plaque deposition in aged mouse brain." *Cellular and Molecular Life Sciences* 80.12 (2023): 378.

Bérard, Morgan, et al. "Non-invasive systemic viral delivery of human alpha-synuclein mimics selective and progressive neuropathology of Parkinson's disease in rodent brains." *Molecular Neurodegeneration* 18.1 (2023): 91.

Lazzarini, Giulia, et al. "Glial cells are affected more than interneurons by the loss of Engrailed 2 gene in the mouse cerebellum." *Journal of Anatomy* (2023).

Wei, Yao, et al. "Aerobic glycolysis is the predominant means of glucose metabolism in neuronal somata, which protects against oxidative damage." *Nature Neuroscience* (2023): 1- 9.

Richards, Jonathan H., Daniel D. Freeman, and Megan Ryan Detloff. "Myeloid Cell Association with Spinal Cord Injury-Induced Neuropathic Pain and Depressive-like Behaviors in LysM-eGFP Mice." *The Journal of Pain* (2023).

Chen, Kang, et al. "Leucine-rich repeat kinase 2 (LRRK2) inhibition upregulates microtubule-associated protein 1B to ameliorate lysosomal dysfunction and parkinsonism." *MedComm* 4.6 (2023): e429.

Broadfoot, Courtney K., et al. "Tongue and Laryngeal Exercises Improve Tongue Strength and Vocal Function Outcomes in a Pink1-/-Rat Model of Early Parkinson Disease." *Behavioural Brain Research* (2023): 114754.

Erbaş, Elif, et al. "Assessment of toxicological effects of favipiravir (T-705) on the lung tissue of rats: An experimental study." *Journal of Biochemical and Molecular Toxicology* (2023): e23536.

Kapasi, Alifiya, et al. "High-throughput digital quantification of Alzheimer disease pathology and associated infrastructure in large autopsy studies." *Journal of Neuropathology & Experimental Neurology* 82.12 (2023): 976-986.

Bautista, J., M. Á. García-Cabezas, et al. (2023). "Pattern of ventral temporal lobe interconnections in rhesus macaques." *Journal of Comparative Neurology* n/a(n/a). <https://doi.org/10.1002/cne.25550>

González-Salvatierra, S., C. García-Fontana, et al. (2023). "Cardioprotective function of sclerostin by reducing calcium deposition, proliferation, and apoptosis in human vascular smooth muscle cells." *Cardiovascular Diabetology* 22(1): 301. <https://doi.org/10.1186/s12933-023-02043-8>

Rentsch, P., T. Egan, et al. (2023). "The ratio of M1 to M2 microglia in the striatum determines the severity of L-Dopa-induced dyskinesias." *Journal of Neurochemistry* n/a(n/a). <https://doi.org/10.1111/jnc.15993>

da Silva, S. P., C. C. M. de Castro, et al. (2023). "Neuropathological and sociodemographic factors associated with the cortical amyloid load in aging and Alzheimer's disease." *GeroScience*. <https://doi.org/10.1007/s11357-023-00982-4>

Olkhova, E. A., C. Bradshaw, et al. (2023). "A novel mouse model of mitochondrial disease exhibits juvenile-onset severe neurological impairment due to parvalbumin cell mitochondrial dysfunction." *Communications Biology* 6(1): 1078. <https://doi.org/10.1038/s42003-023-05238-7>

Russ, T., L. Enders, et al. (2023) "2,4-Dichlorophenoxyacetic Acid Induces Degeneration of mDA Neurons In Vitro." *Biomedicines* 11 DOI: 10.3390/biomedicines11112882. <https://doi.org/10.3390/biomedicines11112882>

Stimpson, C. D., J. B. Smaers, et al. (2023). "Evolutionary scaling and cognitive correlates of primate frontal cortex microstructure." *Brain Structure and Function*. <https://doi.org/10.1007/s00429-023-02719-7>

Villar-Conde, S., V. Astillero-Lopez, et al. "Synaptic involvement of the human amygdala in Parkinson's disease." *Molecular & Cellular Proteomics*. <https://doi.org/10.1016/j.mcpro.2023.100673>

Wang, Z., D. Zheng, et al. (2023). "Enabling Survival of Transplanted Neural Precursor Cells in the Ischemic Brain." *Adv Sci* 22(10): 202302527. <https://pubmed.ncbi.nlm.nih.gov/37867250/>

Zeisler, Z. R., L. London, et al. (2023). "Single basolateral amygdala neurons in macaques exhibit distinct connectional motifs with frontal cortex." *Neuron* 111(20): 3307-3320.e3305. <https://doi.org/10.1016/j.neuron.2023.09.024>

Costantini, I., L. Morgan, et al. (2023). "A cellular resolution atlas of Broca's area." *Science Advances* 9(41): eadg3844. <https://www.science.org/doi/full/10.1126/sciadv.adg3844>

Gamage, R., I. Rossetti, et al. (2023). "Chronic neuroinflammation during aging leads to cholinergic neurodegeneration in the mouse medial septum." *Journal of Neuroinflammation* 20(1): 235. <https://doi.org/10.1186/s12974-023-02897-5>

González-Salvatierra, S., B. García-Fontana, et al. "Exploring the Role of Osteoglycin in Type 2 Diabetes: Implications for Insulin Resistance and Vascular Pathophysiology." *American Journal of Physiology-Endocrinology and Metabolism* 0(0): null. <https://doi.org/10.1152/ajpendo.00320.2023>

He, Y., J. Zhao, et al. (2023). "TLR2 deficiency is beneficial at the late phase in MPTP-induced Parkinson's disease mice." *Life Sciences* 333: 122171. <https://doi.org/10.1016/j.lfs.2023.122171>

Hector, A., C. Provost, et al. (2023). "Hippocampal injections of soluble amyloid-beta oligomers alter electroencephalographic activity during wake and slow-wave sleep in rats." *Alzheimer's Research & Therapy* 15(1): 174. <https://doi.org/10.1186/s13195-023-01316-4>

Juarez, P. and V. Martínez-Cerdeño (2023). "Triple enzymatic immunocytochemistry for interneuron populations in postmortem human cerebral cortex." *Heliyon* 9(10). <https://doi.org/10.1016/j.heliyon.2023.e20626>

Cash, A., C. de Jager, et al. (2023). "Endothelial deletion of EPH receptor A4 alters single-cell profile and Tie2/Akap12 signaling to preserve blood-brain barrier integrity." *Proceedings of the National Academy of Sciences* 120(41): e2204700120. <https://doi.org/10.1073/pnas.2204700120>

Pérez-Fernández, V., A. L. Thananjeyan, et al. (2023). "The effects of a highly bioavailable curcumin Phytosome™ preparation on the retinal architecture and glial reactivity in the GFAP-IL6 mice." *Frontiers in Ophthalmology* 3. <https://doi.org/10.3389/fopht.2023.1205542>

Kim, H. R., M. Long, et al. (2023). "Hyper negative GABAA reversal potential in pyramidal cells contributes to medial prefrontal cortex deactivation in a mouse model of neuropathic pain." *The Journal of Pain*. <https://doi.org/10.1016/j.jpain.2023.09.021>

Böckmann, S., D. Iggena, et al. (2023). "Physical activity compensates for isoflurane-induced selective impairment of neuronal progenitor cell proliferation in the young adult hippocampus." *Behavioural Brain Research* 455: 114675. <https://doi.org/10.1016/j.bbr.2023.114675>

Lopes, K. P., L. Yu, et al. (2023). "Associations of cortical SPP1 and ITGAX with cognition and common neuropathologies in older adults." *Alzheimers Dement* 19(10): 13474. <https://pubmed.ncbi.nlm.nih.gov/37727065/>

Wang, C. J., J. T. Smith, et al. (2023). "Airway-associated adipose tissue accumulation is increased in a kisspeptin receptor knockout mouse model." *Clin Sci* 21(10). <https://pubmed.ncbi.nlm.nih.gov/37732890/>

Bojarzadeh, H., G. Lazzarini, et al. (2023). "Three-dimensional morphometry of the testis in dog using design-unbiased stereology." *Anatomia, Histologia, Embryologia* n/a(n/a). <https://doi.org/10.1111/ahe.12968>

Ghirardini, E., G. Sagona, et al. (2023). "Cell-specific vulnerability to metabolic failure: the crucial role of parvalbumin expressing neurons in creatine transporter deficiency." *Acta Neuropathol Commun* 11(1): 023-01533.
<https://pubmed.ncbi.nlm.nih.gov/36882863/>

Gungor Aydin, A. and E. Adiguzel (2023). "The mesocortical dopaminergic system cannot explain hyperactivity in an animal model of attention deficit hyperactivity disorder (ADHD)- Spontaneously hypertensive rats (SHR)." *Laboratory Animal Research* 39(1): 20. <https://doi.org/10.1186/s42826-023-00172-5>

Lin, C.-C. J., F. Herisson, et al. (2023). "Mast cell deficiency improves cognition and enhances disease-associated microglia in 5XFAD mice." *Cell Reports* 42(9).
<https://doi.org/10.1016/j.celrep.2023.113141>

Woo, S.-H., J. H. Choi, et al. (2023). "Engineered elastin-like polypeptide improves the efficiency of adipose-derived stem cell-mediated cutaneous wound healing in type II diabetes mellitus." *Heliyon* 9(9): e20201.
<https://doi.org/10.1016/j.heliyon.2023.e20201>

Wojtas, A., M. Herian, et al. (2023). "Hallucinogenic activity, neurotransmitters release, anxiolytic and neurotoxic effects in Rat's brain following repeated administration of novel psychoactive compound 25B-NBOMe." *Neuropharmacology* 240: 109713.
<https://doi.org/10.1016/j.neuropharm.2023.109713>

Bazarek, S. F., M. Thaqi, et al. (2023). "Engineered neurogenesis in naïve adult rat cortex by Ngn2-mediated neuronal reprogramming of resident oligodendrocyte progenitor cells." *Front Neurosci* 17(1237176).
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10471311/>

Muduli, N., S. Aparna, et al. (2023). "Saffron stigma extract and crocin play an important neuroprotective role in therapeutic measures against benzolalpyrene-induced behavioral alterations in zebrafish." *Drug and Chemical Toxicology*: 1-12.
<https://doi.org/10.1080/01480545.2023.2250576>

Kasanga, E. A., Y. Han, et al. (2023). "Nigral-specific increase in ser31 phosphorylation compensates for tyrosine hydroxylase protein and nigrostriatal neuron loss: Implications for delaying parkinsonian signs." *Experimental Neurology* 368: 114509.
<https://doi.org/10.1016/j.expneurol.2023.114509>

Pieczonka, K., H. Nakashima, et al. (2023). "Human Spinal Oligodendrogenic Neural Progenitor Cells Enhance Pathophysiological Outcomes and Functional Recovery in a Clinically Relevant Cervical Spinal Cord Injury Rat Model." *Stem Cells Translational Medicine*. <https://doi.org/10.1093/stcltm/szad044>

Wang, B., Y. Wang, et al. (2023). "The STING inhibitor C-176 attenuates MPTP-induced neuroinflammation and neurodegeneration in mouse parkinsonian models." *International Immunopharmacology* 124: 110827.
<https://doi.org/10.1016/j.intimp.2023.110827>

Davies, C., J. Tulloch, et al. (2023). "Apolipoprotein E isoform does not influence trans- synaptic spread of tau pathology in a mouse model." *Brain Neurosci Adv* 7(23982128231191046): Jan-Dec. <https://pubmed.ncbi.nlm.nih.gov/37600228/>

Guerin, S. P., J. K. Melbourne, et al. "Astrocyte Reactivity and Neurodegeneration in the Female Rat Brain Following Alcohol Dependence." *Neuroscience*.
<https://doi.org/10.1016/j.neuroscience.2023.08.016>

Sellinger, E. P., A. S. Brinks, et al. (2023). "Region- and age-specific effects of perinatal phthalate exposure on developmental cell death and adult anatomy of dorsal and ventral hippocampus and associated cognitive behaviors." *Neurotoxicology and Teratology* 99: 107288. <https://doi.org/10.1016/j.ntt.2023.107288>

Abdelmoaty, M. M., P. Yeapuri, et al. (2023). "Immune senescence in aged APP/PS1 mice." *NeuroImmune Pharmacology and Therapeutics*. <https://doi.org/10.1515/nipt-2023-0015>

Aubry, A., J. D. Pearson, et al. (2023). "Deneddylation of ribosomal proteins promotes synergy between MLN4924 and chemotherapy to elicit complete therapeutic responses." *Cell Reports* 42(8). <https://doi.org/10.1016/j.celrep.2023.112925>

Chao, A. S., P. Matak, et al. (2023). "20- β -Hydroxycholesterol, an oxysterol in human breast milk, reverses mouse neonatal white matter injury through Gli-dependent oligodendrogenesis." *Cell Stem Cell* 30(8): 1054-1071.e1058.
<https://doi.org/10.1016/j.stem.2023.07.010>

Chu, Y. and J. H. Kordower (2023). "Post-Mortem Studies of Neurturin Gene Therapy for Parkinson's Disease: Two Subjects with 10 Years CERE120 Delivery." *Mov Disord* 6(10): 29518. <https://pubmed.ncbi.nlm.nih.gov/37544016/>

Pfau, D. R., S. Baribeau, et al. (2023). "Loss of TRPC2 function in mice alters sex differences in brain regions regulating social behaviors." *J Comp Neurol* 27(10): 25528.
<https://pubmed.ncbi.nlm.nih.gov/37496437/>

Rurak, G. M., A. Gahelrasoul, et al. (2023). "Neonatal estrogen induces male-like expression of astroglial markers of maturation and plasticity in the neocortex of female mice." *Brain Research* 1818: 148499. <https://doi.org/10.1016/j.brainres.2023.148499>

Xu, L., Y. Liu, et al. (2023). "Loss of spines in the prelimbic cortex is detrimental to working memory in mice with early-life adversity." *Molecular Psychiatry*.
<https://doi.org/10.1038/s41380-023-02197-7>

Devarakonda, S., A. Thorsell, et al. (2023). "Low-grade intestinal inflammation two decades after pelvic radiotherapy." *eBioMedicine* 94.
<https://doi.org/10.1016/j.ebiom.2023.104691>

Lima-Castañeda, L. Á., M. E. Bringas, et al. (2023). "The antipsychotic olanzapine reduces memory deficits and neuronal abnormalities in a male rat model of autism." *Journal of Chemical Neuroanatomy*: 102317. <https://doi.org/10.1016/j.jchemneu.2023.102317>

Miyakoshi, L. M., F. F. Stæger, et al. (2023). "The state of brain activity modulates cerebrospinal fluid transport." *Progress in Neurobiology*: 102512.
<https://doi.org/10.1016/j.pneurobio.2023.102512>

Marino, G., F. Campanelli, et al. (2023). "Intensive exercise ameliorates motor and cognitive symptoms in experimental Parkinson's disease restoring striatal synaptic plasticity." *Science Advances* 9(28): eadh1403. <https://www.science.org/doi/10.1126/sciadv.adh1403>

Nofouzi, K., N. Sheikhzadeh, et al. (2023). "Effects of *Escherichia coli* strain Nissle 1917 on arsenic-challenged goldfish (*Carassius auratus*): histological evidence." *Veterinary Research Forum* 14(7): 367-372. <https://doi.org/10.30466/vrf.2022.557449.3551>

Vieira, R., J. N. Mariani, et al. (2023). "Young glial progenitor cells competitively replace aged and diseased human glia in the adult chimeric mouse brain." *Nature Biotechnology*. <https://doi.org/10.1038/s41587-023-01798-5>

Kim, H. S., H. G. Seo, et al. (2023). "Machine Learning-assisted Quantitative Mapping of Intracortical Axonal Plasticity Following a Focal Cortical Stroke in Rodents." *Experimental Neurobiology* 32(3): 170-180. <https://doi.org/10.5607/en23016>

Reynolds, L. M., G. Hernandez, et al. (2023). "Amphetamine disrupts dopamine axon growth in adolescence by a sex-specific mechanism in mice." *Nature Communications* 14(1): 4035. <https://doi.org/10.1038/s41467-023-39665-1>

Bonzano, S., E. Dallorto, et al. (2023). "NR2F1 shapes mitochondria in the mouse brain, providing new insights into Bosch-Boonstra-Schaaf optic atrophy syndrome." *Dis Model Mech* 16(6): 26. [doi: 10.1242/dmm.049854](https://doi.org/10.1242/dmm.049854)

Liu, Q., D. Zhu, et al. "Regulation of LRRK2 mRNA stability by ATIC and its substrate AICAR through ARE-mediated mRNA decay in Parkinson's disease." *The EMBO Journal* n/a(n/a): e113410. <https://doi.org/10.15252/embj.2022113410>

Mannino, D., S. A. Scuderi, et al. (2023). "Neuroprotective effects of GSK-343 in an in vivo model of MPTP-induced nigrostriatal degeneration." *Journal of Neuroinflammation* 20(1): 155. <https://doi.org/10.1186/s12974-023-02842-6>

Zhang, Q., Q. Duan, et al. (2023). "Cerebral Microvascular Injury Induced by Lag3-Dependent α -Synuclein Fibril Endocytosis Exacerbates Cognitive Impairment in a Mouse Model of α -Synucleinopathies." *Advanced Science* n/a(n/a): 2301903. <https://doi.org/10.1002/advs.202301903>

De Silva, W. G. M., B. Y. McCarthy, et al. (2023). "The Over-Irradiation Metabolite Derivative, 24-Hydroxylumister-ol₃, Reduces UV-Induced Damage in Skin." *Metabolites* 13(7): 775. <https://doi.org/10.3390/metabo13070775>

Dye, C. N., D. Franceschelli, et al. (2023). "Microglia depletion facilitates the display of maternal behavior and alters activation of the maternal brain network in nulliparous female rats." *Neuropsychopharmacology*. <https://doi.org/10.1038/s41386-023-01624-1>

Folorunso, O. O., S. E. Brown, et al. (2023). "d-serine availability modulates prefrontal cortex inhibitory interneuron development and circuit maturation." *Scientific Reports* 13(1): 9595. <https://doi.org/10.1038/s41598-023-35615-5>

Li, S., Z. Tian, et al. (2023). "Catalpol rescues cognitive deficits by attenuating amyloid β plaques and neuroinflammation." *Biomedicine & Pharmacotherapy* 165: 115026. <https://doi.org/10.1016/j.biopha.2023.115026>

Tamang, M. K., A. Ali, et al. (2023). "Developmental vitamin D-deficiency produces autism-relevant behaviours and gut-health associated alterations in a rat model." *Translational Psychiatry* 13(1): 204. <https://doi.org/10.1038/s41398-023-02513-3>

Cabezudo, D., G. Tsafaras, et al. (2023). "Mutant LRRK2 exacerbates immune response and neurodegeneration in a chronic model of experimental colitis." *Acta Neuropathologica*. <https://doi.org/10.1007/s00401-023-02595-9>

Figueiredo, T. H., V. Aroniadou-Anderjaska, et al. "Delayed tezampanel and caramiphen treatment but not midazolam protects against long-term neuropathology after soman exposure." *Experimental Biology and Medicine* 0(0): 15353702231171911. <https://doi.org/10.1177/15353702231171911>

Wang, J., N. Zhang, et al. (2023). "H₂S Alleviates Neuropathic Pain in Mice by Nrf2 Signaling Pathway Activation." *Journal of Molecular Neuroscience*. <https://doi.org/10.1007/s12031-023-02134-x>

Zheng, J.-H., N. Yuan, et al. (2023). "Acupuncture combined with moxibustion mitigates spinal cord injury-induced motor dysfunction in mice by NLRP3-IL-18 signaling pathway inhibition." *Journal of Orthopaedic Surgery and Research* 18(1): 419. <https://doi.org/10.1186/s13018-023-03902-6>

Smith, L. A., C. Chen, et al. (2023). "Astrocytic pathology in Alpers' syndrome." *Acta Neuropathologica Communications* 11(1): 86. <https://doi.org/10.1186/s40478-023-01579-w>

Tyulmenkova, A., A. Zwick, et al. (2023). "Progressive generalized tonic-clonic seizures in a transgenic mouse model of adult-onset epilepsy: Implications for morphological changes in cortico-limbic and brainstem structures." *Epilepsy Research* 194: 107178. <https://doi.org/10.1016/j.eplepsyres.2023.107178>

Kodali, M., L. N. Madhu, et al. (2023). "A single intranasal dose of human mesenchymal stem cell-derived extracellular vesicles after traumatic brain injury eases neurogenesis decline, synapse loss, and BDNF-ERK-CREB signaling." *Frontiers in Molecular Neuroscience* 16. <https://doi.org/10.3389/fnmol.2023.1185883>

Lim, J., T. Shioda, et al. (2023). "Prenatal exposure to benzo[a]pyrene depletes ovarian reserve and masculinizes embryonic ovarian germ cell transcriptome transgenerationally." *Scientific Reports* 13(1): 8671. <https://doi.org/10.1038/s41598-023-35494-w>

Lopez-Herdoiza, M.-B., S. Bauché, et al. (2023). "C9ORF72 knockdown triggers FTD-like symptoms and cell pathology in mice." *Frontiers in Cellular Neuroscience* 17. <https://doi.org/10.3389/fncel.2023.1155929>

Vinueza-Gavilanes, R., J. J. Bravo-González, et al. (2023). "Stabilization of 14-3-3 protein-protein interactions with Fusicoccin-A decreases alpha-synuclein dependent cell-

autonomous death in neuronal and mouse models." *Neurobiology of Disease*: 106166.
<https://doi.org/10.1016/j.nbd.2023.106166>

Zhou, L., Y. Li, et al. "Disruption of α -Synuclein proteostasis in the striatum and midbrain of long-term ovariectomized female mice." *Neuroscience*.
<https://doi.org/10.1016/j.neuroscience.2023.05.013>

Woo, S.-H., Y. J. Mo, et al. (2023). "ANT2 accelerates cutaneous wound healing in aged skin via regulating energy homeostasis and inflammation." *Journal of Investigative Dermatology*. <https://doi.org/10.1016/j.jid.2023.05.002>

Gullotta, G. S., D. De Feo, et al. (2023). "Age-induced alterations of granulopoiesis generate atypical neutrophils that aggravate stroke pathology." *Nature Immunology*. <https://doi.org/10.1038/s41590-023-01505-1>

He, C.-B., Y. Jin, et al. (2023). "Collateral projections from the ventral tegmental area/substantia nigra pars compacta to the nucleus accumbens and insular cortex in the rat." *Anatomical Science International*. <https://doi.org/10.1007/s12565-023-00728-4>

Hua, F., H. Zhu, et al. (2023). " β -arrestin1 regulates astrocytic reactivity via Drp1-dependent mitochondrial fission: implications in postoperative delirium." *Journal of Neuroinflammation* 20(1): 113. <https://doi.org/10.1186/s12974-023-02794-x>

Overkamp, M., L. H. P. Houben, et al. (2023). "Resistance exercise counteracts the impact of androgen deprivation therapy on muscle characteristics in cancer patients." *J Clin Endocrinol Metab* 10(10). DOI: [10.1210/clinem/dgad245](https://doi.org/10.1210/clinem/dgad245)

Jiang, W., Y. Cheng, et al. (2023). "Involvement of Abnormal p- α -syn Accumulation and TLR2-Mediated Inflammation of Schwann Cells in Enteric Autonomic Nerve Dysfunction of Parkinson's Disease: an Animal Model Study." *Molecular Neurobiology*. <https://doi.org/10.1007/s12035-023-03345-4>

Sarangi, P., L. K. Pradhan, et al. (2023). "Di-2-ethylhexyl phthalate-induced neurobehavioural transformation is associated with altered glutathione biosynthesis and neurodegeneration in zebrafish brain." *Fish Physiology and Biochemistry*.
<https://doi.org/10.1007/s10695-023-01197-2>

Tang, F., L.-y. Zhou, et al. (2023). "Inhibition of ACSL4 Alleviates Parkinsonism Phenotypes by Reduction of Lipid Reactive Oxygen Species." *Neurotherapeutics*.
<https://doi.org/10.1007/s13311-023-01382-4>

Festa, B. P., F. H. Siddiqi, et al. "Microglial-to-neuronal CCR5 signaling regulates autophagy in neurodegeneration." *Neuron*.
<https://doi.org/10.1016/j.neuron.2023.04.006>

Flanigan, K. A. S., M. I. Czuba, et al. (2023). "Developmental exposure to corn grown on Lake Erie dredged material: a preliminary analysis." *Frontiers in Behavioral Neuroscience* 17. <https://doi.org/10.3389/fnbeh.2023.987239>

Gündoğdu, H. and E. Karadağ Sari (2023). "Immunohistochemical determination of somatostatin release in gastric tissue of rats fed with a high-fat and cholesterol diet." Veterinary Research Forum: <https://doi.org/10.30466/vrf.2022.551598.3441>

Mahoney-Rafferty, E. C., H. R. Tucker, et al. (2023). "Assessing the Location, Relative Expression and Subclass of Dopamine Receptors in the Cerebellum of Hemi-Parkinsonian Rats." Neuroscience. <https://doi.org/10.1016/j.neuroscience.2023.03.020>

Garrett, L., M. Irmiler, et al. (2023). "GPR101 loss promotes insulin resistance and diet-induced obesity risk." Neuroscience Applied: 101126. <https://doi.org/10.1016/j.nsa.2023.101126>

Blesa, J., J. A. Pineda-Pardo, et al. (2023). "BBB opening with focused ultrasound in nonhuman primates and Parkinson's disease patients: Targeted AAV vector delivery and PET imaging." Science Advances 9(16): eadf4888. DOI: [10.1126/sciadv.adf4888](https://doi.org/10.1126/sciadv.adf4888)

Lazarczyk, M. J., B. A. Eyford, et al. (2023). "The intracellular domain of major histocompatibility class-I proteins is essential for maintaining excitatory spine density and synaptic ultrastructure in the brain." Scientific Reports 13(1): 6448. <https://doi.org/10.1038/s41598-023-30054-8>

Vasquez-Martínez, N., D. Guillen, et al. (2023). "In vivo tracing of immunostimulatory raw starch microparticles after mucosal administration." European Journal of Pharmaceutics and Biopharmaceutics. <https://doi.org/10.1016/j.ejpb.2023.04.013>

Andreu, M., L. M. Q. Sanchez, et al. (2023). "Injury-Transplantation Interval-Dependent Amelioration of Axonal Degeneration and Motor Deficit in Rats with Penetrating Traumatic Brain Injury." Neurotrauma Reports 4(1): 225-235. <https://doi.org/10.1089/neur.2022.0087>

Chernov, M. M., C. B. Swan, et al. (2023) "In Search of a Feedback Signal for Closed-Loop Deep Brain Stimulation: Stimulation of the Subthalamic Nucleus Reveals Altered Glutamate Dynamics in the Globus Pallidus in Anesthetized, 6-Hydroxydopamine-Treated Rats." Biosensors 13 DOI: 10.3390/bios13040480. <https://doi.org/10.3390/bios13040480>

Mann, B., C. Crawford Jeremy, et al. (2023). "Bacterial TLR2/6 Ligands Block Ciliogenesis, Derepress Hedgehog Signaling, and Expand the Neocortex." mBio 0(0): e00510-00523. <https://doi.org/10.1128/mbio.00510-23>

Oltmer, J., E. W. Rosenblum, et al. (2023). "Stereology neuron counts correlate with deep learning estimates in the human hippocampal subregions." Scientific Reports 13(1): 5884. <https://doi.org/10.1038/s41598-023-32903-y>

Guerra, M., V. Medici, et al. (2023). "Fetal exposure to valproic acid dysregulates the expression of autism-linked genes in the developing cerebellum." Translational Psychiatry 13(1): 114. <https://doi.org/10.1038/s41398-023-02391-9>

Ozay, R., E. Keskin, et al. (2022). "Effects of topically applied contractubex® on epidural fibrosis and axonal regeneration in injured rat sciatic nerve." Turkish Neurosurgery. DOI: [10.5137/1019-5149.jtn.40989-22.2](https://doi.org/10.5137/1019-5149.jtn.40989-22.2)

Alemán-Ruiz, C., W. Wang, et al. (2023). "Pharmacological inhibition of the inflammatory receptor CCR2 relieves the early deleterious consequences of status epilepticus." *Scientific Reports* 13(1): 5651. <https://doi.org/10.1038/s41598-023-32752-9>

Gifford, J. J., J. R. Pluchino, et al. (2023). "Effects of limited bedding and nesting on postpartum mood-state in rats." *Journal of Neuroendocrinology* n/a(n/a): e13275. <https://doi.org/10.1111/jne.13275>

Caulfield, M. E., M. J. Vander Werp, et al. (2023). "Downregulation of striatal CaV1.3 inhibits the escalation of levodopa-induced dyskinesia in male and female parkinsonian rats of advanced age." *Neurobiology of Disease* 181: 106111. <https://doi.org/10.1016/j.nbd.2023.106111>

Cope, E. C., S. H. Wang, et al. (2023). "Activation of the CA2-ventral CA1 pathway reverses social discrimination dysfunction in Shank3B knockout mice." *Nature Communications* 14(1): 1750. <https://doi.org/10.1038/s41467-023-37248-8>

Cunha Feio Leal, M. d., F. L. d. Amaral Junior, et al. (2023). "The Masticatory Activity Interference in Quantitative Estimation of CA1, CA3 and Dentate Gyrus Hippocampal Astrocytes of Aged Murine Models and under Environmental Stimulation." *International Journal of Molecular Sciences* 24(7): 6529. <https://doi.org/10.3390/ijms24076529>

Grotemeyer, A., J. F. Fischer, et al. (2023). "Inflammasome inhibition protects dopaminergic neurons from α -synuclein pathology in a model of progressive Parkinson's disease." *Journal of Neuroinflammation* 20(1): 79. <https://doi.org/10.1186/s12974-023-02759-0>

Huang, Q., C. Chen, et al. (2023). "Cell type- and region-specific transcriptomes in an MPTP mouse model of Parkinson's disease." *Neurobiology of Disease* 180: 106105. <https://doi.org/10.1016/j.nbd.2023.106105>

Milbocker, K. A., I. F. Smith, et al. (2023). "Exercise in Adolescence Enhances Callosal White Matter Refinement in the Female Brain in a Rat Model of Fetal Alcohol Spectrum Disorders." *Cells* 12 DOI: 10.3390/cells12070975. <https://doi.org/10.3390/cells12070975>

Obergasteiger, J., A.-M. Castonguay, et al. (2023). "The small GTPase Rit2 modulates LRRK2 kinase activity, is required for lysosomal function and protects against alpha-synuclein neuropathology." *npj Parkinson's Disease* 9(1): 44. <https://doi.org/10.1038/s41531-023-00484-2>

Ortadeveci, A., S. Öz, et al. (2023). "Vitamin A could be a Therapeutic Agent in Ischemia/Reperfusion Induced Kidney Injury La vitamina A podría ser un agente terapéutico en la lesión renal inducida por isquemia/reperfusión." 43: 4-16. https://www.researchgate.net/publication/369595171_Vitamin_A_could_be_a_Therapeutic_Agent_in_Ischemia_Reperfusion_Induced_Kidney_Injury_La_vitamina_A_podria_ser_un_agente_terapeutico_en_la_lesion_renal_inducida_por_isquemiareperfusion

Rieux, M., M. Alpaugh, et al. (2023). "Understanding the role of the hematopoietic niche in Huntington's disease's phenotypic expression: in vivo evidence using a parabiosis model." *Neurobiology of Disease* 180: 106091. <https://doi.org/10.1016/j.nbd.2023.106091>

Wang, H.-L., Y.-C. Cheng, et al. (2023). "HCH6-1, an antagonist of formyl peptide receptor-1, exerts anti-neuroinflammatory and neuroprotective effects in cellular and animal models of Parkinson's disease." *Biochemical Pharmacology*: 115524.
<https://doi.org/10.1016/j.bcp.2023.115524>

Llanos-González, E., F. J. Sancho-Bielsa, et al. (2023). "Spatial and Temporal Protein Modules Signatures Associated with Alzheimer Disease in 3xTg-AD Mice Are Restored by Early Ubiquinol Supplementation." *Antioxidants* 12(3): 747.
<https://doi.org/10.3390/antiox12030747>

King, D., K. Holt, et al. (2022). "Synaptic resilience is associated with maintained cognition during ageing." *Alzheimers Dement* 22(10): 12894.
<https://pubmed.ncbi.nlm.nih.gov/36547260/>

Lim, J., H.-L. Lee, et al. (2023). "Adolescent exposure to low-dose Δ -tetrahydrocannabinol (THC) depletes the ovarian reserve in female mice." *Toxicological Sciences*.
<https://doi.org/10.1093/toxsci/kfad027>

Ritzel, R. M., Y. Li, et al. (2023). "Brain injury accelerates the onset of a reversible age-related microglial phenotype associated with inflammatory neurodegeneration." *Science Advances* 9(10): eadd1101.
<https://www.science.org/doi/10.1126/sciadv.add1101>

Stevens, H. E., S. Scuderi, et al. (2023). "Neonatal loss of FGFR2 in astroglial cells affects locomotion, sociability, working memory, and glia-neuron interactions in mice." *Translational Psychiatry* 13(1): 89. <https://doi.org/10.1038/s41398-023-02372-y>

Vidyadhara, D. J., M. Somayaji, et al. (2023). "Dopamine transporter and synaptic vesicle sorting defects underlie auxilin-associated Parkinson's disease." *Cell Reports* 42(3): 112231. <https://doi.org/10.1016/j.celrep.2023.112231>

Li, B., H. Zhao, et al. (2023). "CHD8 mutations increase gliogenesis to enlarge brain size in the nonhuman primate." *Cell Discovery* 9(1): 27. <https://doi.org/10.1038/s41421-023-00525-3>

Tchantchou, F., R.-c. Hsia, et al. (2023). "Hippocampal vulnerability to hyperhomocysteinemia worsens pathological outcomes of mild traumatic brain injury in rats." *Journal of Central Nervous System Disease* 15: 11795735231160025.
<https://doi.org/10.1177/11795735231160025>

Yu, J., X. Yang, et al. (2023). "Deficiency of Perry syndrome-associated p150Glued in midbrain dopaminergic neurons leads to progressive neurodegeneration and endoplasmic reticulum abnormalities." *npj Parkinson's Disease* 9(1): 35.
<https://doi.org/10.1038/s41531-023-00478-0>

Kasanga, E. A., Y. Han, et al. (2023). "Differential expression of RET and GDNF family receptor, GFR- α 1, between striatum and substantia nigra following nigrostriatal lesion: a case for diminished GDNF-signaling." *bioRxiv*: 2023.2003.2001.530671.
<https://doi.org/10.1101/2023.03.01.530671>

Teixeira, L. L., H. M. Alencar, et al. (2023) "Oral Treatment with the Extract of Euterpe oleracea Mart. Improves Motor Dysfunction and Reduces Brain Injury in Rats Subjected to Ischemic Stroke." *Nutrients* 15 DOI: 10.3390/nu15051207.
<https://doi.org/10.3390/nu15051207>

Han, W., E.-M. Meißner, et al. (2023). "Dying transplanted neural stem cells mediate survival bystander effects in the injured brain." *Cell Death & Disease* 14(3): 173.
<https://doi.org/10.1038/s41419-023-05698-z>

Stahn, L., J. Rasińska, et al. (2023). "Sleeping Beauty transposon system for GDNF overexpression of entrapped stem cells in fibrin hydrogel in a rat model of Parkinson's disease." *Drug Delivery and Translational Research*.
<https://doi.org/10.1007/s13346-023-01289-9>

Rauschenberger, L., E.-M. Krenig, et al. (2023). "Peripheral nerve injury elicits microstructural and neurochemical changes in the striatum and substantia nigra of a DYT-TOR1A mouse model with dystonia-like movements." *Neurobiology of Disease* 179: 106056. <https://doi.org/10.1016/j.nbd.2023.106056>

Cano-Astorga, N., S. Plaza-Alonso, et al. (2023). "3D Synaptic Organization of Layer III of the Human Anterior Cingulate and Temporopolar Cortex." *bioRxiv*: 2023.2002.2021.529433. <https://doi.org/10.1101/2023.02.21.529433>

Kapelouzou, A., S. Geronikolou, et al. (2023) "Tissue and Serum Biomarkers in Degenerative Aortic Stenosis-Insights into Pathogenesis, Prevention and Therapy." *Biology* 12 DOI: 10.3390/biology12030347. <https://doi.org/10.3390/biology12030347>

Solarz-Andrzejewska, A., I. Majcher-Maślanka, et al. (2023). "Modulation of the endoplasmic reticulum stress and unfolded protein response mitigates the behavioral effects of early-life stress." *Pharmacological Reports*. <https://doi.org/10.1007/s43440-023-00456-6>

Zhang, L.-M., D.-X. Zhang, et al. (2023). "Spautin-1 administration mitigates mild TBI-induced cognitive and memory dysfunction in mice via activation of caspase-3." *International Immunopharmacology* 117: 109906. <https://doi.org/10.1016/j.intimp.2023.109906>

Cheng, Y., Q. Tong, et al. (2023). "α-Synuclein induces prodromal symptoms of Parkinson's disease via activating TLR2/MyD88/NF-κB pathway in Schwann cells of vagus nerve in a rat model." *Journal of Neuroinflammation* 20(1): 36.
<https://doi.org/10.1186/s12974-023-02720-1>

He, C., N. C. Kalafut, et al. (2023). "BOMA, a machine-learning framework for comparative gene expression analysis across brains and organoids." *Cell Reports Methods*: 100409. <https://doi.org/10.1016/j.crmeth.2023.100409>

Şenel, U., H. I. Tanriverdi, et al. (2023). "Effects of Hesperidin and Diosmin on Necrotizing Enterocolitis: An Experimental Study." *Iran J Pediatr In Press(In Press)*: e127271. <https://brieflands.com/articles/ijp-127271.html>

Arnold, A. P., X. Chen, et al. (2023). "A "Four Core Genotypes" rat model to distinguish mechanisms underlying sex-biased phenotypes and diseases." bioRxiv: 2023.2002.2009.527738. <https://doi.org/10.1101/2023.02.09.527738>

Dutta, A. K., C. Armstrong, et al. (2023). "D-685 Reverses Motor Deficits and Reduces Accumulation of Human α -Synuclein Protein in Two Different Parkinson's Disease Animal Models." ACS Chemical Neuroscience. <https://doi.org/10.1021/acscchemneuro.2c00655>

Gudenschwager, K., O. Shandra, et al. (2023). Atypical Neurogenesis, Astrogliosis, and Excessive Hilar In-Ter neuron Loss Are Associated With the Development of Post-Traumatic Epilepsy. doi: 10.20944/preprints202302.0195.v1

Guignet, M., M. Schmuck, et al. (2023). "Novel image analysis tool for rapid screening of cell morphology in preclinical animal models of disease." Heliyon 9(2). <https://doi.org/10.1016/j.heliyon.2023.e13449>

Klinkenberg, M., M. Helwig, et al. (2023). "Interneuronal In Vivo Transfer of Synaptic Proteins." Cells 12 DOI: 10.3390/cells12040569. <https://doi.org/10.3390/cells12040569>

Yang, P., J. O. Davidson, et al. (2023). "Therapeutic Hypothermia Attenuates Cortical Interneuron Loss after Cerebral Ischemia in Near-Term Fetal Sheep." International Journal of Molecular Sciences 24(4): 3706. <https://doi.org/10.3390/ijms24043706>

Liu, Y., M. Wang, et al. (2023). "D-2-hydroxyglutarate dehydrogenase governs adult neural stem cell activation and promotes histone acetylation via ATP-citrate lyase." Cell Reports 42(2). <https://doi.org/10.1016/j.celrep.2023.112067>

Miao, H.-T., R.-X. Song, et al. (2023). "Spautin-1 Protects Against Mild TBI-Induced Anxiety- Like Behavior in Mice via Immunologically Silent Apoptosis." NeuroMolecular Medicine. <https://doi.org/10.1007/s12017-023-08737-2>

Simonnet, E., S. Martin, et al. (2023). "EphrinA4/EphA4 controls blood pressure via arterial sympathetic innervation." bioRxiv: 2023.2002.2003.526852. <https://doi.org/10.1101/2023.02.03.526852>

Galbiati, M., M. Meroni, et al. (2023). "Bicalutamide and Trehalose Ameliorate Spinal and Bulbar Muscular Atrophy Pathology in Mice." Neurotherapeutics. <https://doi.org/10.1007/s13311-023-01343-x>

Gernert, M., D. MacKeigan, et al. (2023). "Acute and chronic convection-enhanced muscimol delivery into the rat subthalamic nucleus induces antiseizure effects associated with high responder rates." Epilepsy Research 190: 107097. <https://doi.org/10.1016/j.eplepsyres.2023.107097>

Joy, M. T., S. P. Bridges, et al. (2023). Quantitative Spatial Mapping of Axons Across Cortical Regions to Assess Axonal Sprouting After Stroke. Neural Repair: Methods and Protocols. V. T. Karamyan and A. M. Stowe. New York, NY, Springer US: 171-180. https://doi.org/10.1007/978-1-0716-2926-0_13

Murray, H. C., G. Saar, et al. (2023). "Progressive Spread of Beta-amyloid Pathology in an Olfactory-driven Amyloid Precursor Protein Mouse Model." *Neuroscience*. <https://doi.org/10.1016/j.neuroscience.2023.01.009>

Olfat, S., K. Mätlik, et al. (2023). "Increased physiological GDNF levels have no effect on dopamine neuron protection and restoration in a proteasome inhibition mouse model of Parkinson's disease." *eneuro: ENEURO*.0097-0022.2023. <https://doi.org/10.1523/ENEURO.0097-22.2023>

Rangasamy, S. B., J. Poddar, et al. (2023). "Protection of Mice from Controlled Cortical Impact Injury by Food Additive Glyceryl Tribenzoate." *International Journal of Molecular Sciences* 24 DOI: 10.3390/ijms24032083. <https://doi.org/10.3390/ijms24032083>

Santos-Baldaia, R. d., R. Wuosilta, et al. (2023). "Distinctive Neuroanatomic Regions Involved in Cocaine-Induced Behavioral Sensitization in Mice." *Biomedicines* 11(2): 383. <https://doi.org/10.3390/biomedicines11020383>

Zeisler, Z. R., L. London, et al. (2023). "High-throughput sequencing of macaque basolateral amygdala projections reveals dissociable connectional motifs with frontal cortex." *bioRxiv*: 2023.2001.2018.524407. <https://doi.org/10.1101/2023.01.18.524407>

Ali, Z., G. Sivakumar, et al. (2022). "A report on digitised neuronal tracing method to study neurons in their entirety." *MethodsX* 9(101715). DOI: 10.1016/j.mex.2022.101715

Hegdekar, N., C. Sarkar, et al. (2023). "Inhibition of autophagy in microglia and macrophages exacerbates innate immune responses and worsens brain injury outcomes." *Autophagy*: 1-19. <https://doi.org/10.1080/15548627.2023.2167689>

Metcalfe, M., B. T. David, et al. (2023). "Elevation of NAD⁺ by nicotinamide riboside spares spinal cord tissue from injury and promotes locomotor recovery." *bioRxiv*: 2023.2001.2017.524307. <https://doi.org/10.1101/2023.01.17.524307>

Rangasamy, S. B., M. Jana, et al. (2023). "Treadmill workout activates PPAR α in the hippocampus to upregulate ADAM10, decrease plaques and improve cognitive functions in 5XFAD mouse model of Alzheimer's disease." *Brain, Behavior, and Immunity*. <https://doi.org/10.1016/j.bbi.2023.01.009>

Rangasamy, S. B., J. Poddar, et al. (2023). "Protection of Mice from Controlled Cortical Impact Injury by Food Additive Glyceryl Tribenzoate." *International Journal of Molecular Sciences* 24(3): 2083. <https://doi.org/10.3390/ijms24032083>

Stazi, M., S. Zampieri, et al. (2023). "A Combination of Caffeine Supplementation and Enriched Environment in an Alzheimer's Disease Mouse Model." *International Journal of Molecular Sciences* 24(3): 2155. <https://doi.org/10.3390/ijms24032155>

Pereira, C. P. M., J. Francis-Oliveira, et al. (2023). "Microglial depletion exacerbates motor impairment and dopaminergic neuron loss in a 6-OHDA model of Parkinson's disease." *Journal of Neuroimmunology* 375: 578019. <https://doi.org/10.1016/j.jneuroim.2023.578019>

Tan, S., H. Gao, et al. (2023). "CD33/TREM2 Signaling Mediates Sleep Deprivation-Induced Memory Impairment by Regulating Microglial Phagocytosis." *NeuroMolecular Medicine*. <https://doi.org/10.1007/s12017-023-08733-6>

Weijzen, M. E. G., A. M. Holwerda, et al. (2023). "Vicia Faba peptide network supplementation does not differ from milk protein in modulating changes in muscle size during short-term immobilization and subsequent remobilization, but increases muscle protein synthesis rates during remobilization in healthy young men." *The Journal of Nutrition*. <https://doi.org/10.1016/j.tjnut.2023.01.014>

Boido, M., I. Gesmundo, et al. (2023). "Agonist of growth hormone-releasing hormone improves the disease features of spinal muscular atrophy mice." *Proceedings of the National Academy of Sciences* 120(2): e2216814120. <https://doi.org/10.1073/pnas.2216814120>

Maurer, S. V., J. L. Bolton, et al. (2023). "Maternal diesel exposure and maternal choline supplementation interactions in fetal and placental immune factors." *bioRxiv*: 2023.2001.2004.522511. <https://doi.org/10.1101/2023.01.04.522511>

Patel, R. S., A. Lui, et al. (2023). "Small molecule targeting long noncoding RNA GAS5 administered intranasally improves neuronal insulin signaling and decreases neuroinflammation in an aged mouse model." *Scientific Reports* 13(1): 317. <https://doi.org/10.1038/s41598-022-27126-6>

Saunders, T., C. Gunn, et al. (2023). "Neurogranin in Alzheimer's disease and ageing: A human post-mortem study." *Neurobiology of Disease* 177: 105991. <https://doi.org/10.1016/j.nbd.2023.105991>

Zhu, Q., A. Mishra, et al. (2023). "Human cortical interneurons optimized for grafting specifically integrate, abort seizures, and display prolonged efficacy without over-inhibition." *Neuron*. <https://doi.org/10.1016/j.neuron.2022.12.014>

Ahn, E. H., X. Liu, et al. (2022). "Helicobacter hepaticus augmentation triggers Dopaminergic degeneration and motor disorders in mice with Parkinson's disease." *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-022-01910-2>

Badr, M., R. L. McFleder, et al. (2022). "Expansion of regulatory T cells by CD28 superagonistic antibodies attenuates neurodegeneration in A53T- α -synuclein Parkinson's disease mice." *Journal of Neuroinflammation* 19(1): 319. <https://doi.org/10.1186/s12974-022-02685-7>

Kawles, A., G. Minogue, et al. (2023). "Differential vulnerability of the dentate gyrus to tauopathies in dementias." *Acta Neuropathologica Communications* 11(1): 1. <https://doi.org/10.1186/s40478-022-01485-7>

Morioka, S., D. Kajioka, et al. (2022). "Chimeric efferocytic receptors improve apoptotic cell clearance and alleviate inflammation." *Cell* 185(26): 4887-4903.e4817. <https://doi.org/10.1016/j.cell.2022.11.029>

Murugavel, B., M. Mitkus, et al. (2022). "Retinal ganglion cell topography and spatial resolution in three Indian pteropodid bats." *Brain, Behavior and Evolution*. <https://doi.org/10.1159/000528417>

Ren, B., M. Burkovetskaya, et al. (2023). "Dysregulated cholesterol metabolism, aberrant excitability and altered cell cycle of astrocytes in fragile X syndrome." *Glia* 3(10): 24331. DOI: 10.1002/glia.24331

Serrenho, I., C. M. Cardoso, et al. (2023). "Hypothermia Does Not Boost the Neuroprotection Promoted by Umbilical Cord Blood Cells in a Neonatal Hypoxia-Ischemia Rat Model." *International Journal of Molecular Sciences* 24(1): 257. <https://doi.org/10.3390/ijms24010257>

Cunha, F., C. Gutiérrez-Ibáñez, et al. (2022). "The relative sizes of nuclei in the oculomotor complex vary by order and behaviour in birds." *Journal of Comparative Physiology A*. <https://doi.org/10.1007/s00359-022-01598-3>

Vacher, M. C., C. S. Durrant, et al. (2022). "Alzheimer's disease-like neuropathology in three species of oceanic dolphin." *Eur J Neurosci* 13(10): 15900. <https://pubmed.ncbi.nlm.nih.gov/36514861/>

Won, S. J., R. Fong, et al. (2022) "Neuronal Oxidative Stress Promotes α -Synuclein Aggregation In Vivo." *Antioxidants* 11 DOI: 10.3390/antiox11122466. <https://doi.org/10.3390/antiox11122466>

Xing, M., G. Li, et al. (2023). "Fucoidan from *Fucus vesiculosus* prevents the loss of dopaminergic neurons by alleviating mitochondrial dysfunction through targeting ATP5F1a." *Carbohydrate Polymers* 303: 120470. <https://doi.org/10.1016/j.carbpol.2022.120470>

Zhang, L.-M., Z.-Y. Wu, et al. (2023). "Subanesthetic dose of S-ketamine improved cognitive dysfunction via the inhibition of hippocampal astrogliosis in a mouse model of post-stroke chronic stress." *Journal of Psychiatric Research* 158: 1-14. <https://doi.org/10.1016/j.jpsychires.2022.12.010>

Butti, E., S. Cattaneo, et al. (2022). "Neural precursor cells tune striatal connectivity through the release of IGFBPL1." *Nature Communications* 13(1): 7579. <https://doi.org/10.1038/s41467-022-35341-y>

Fathy, Y. Y., L. E. Jonkman, et al. (2022). "Axonal degeneration in the anterior insular cortex is associated with Alzheimer's co-pathology in Parkinson's disease and dementia with Lewy bodies." *Translational Neurodegeneration* 11(1): 52. <https://doi.org/10.1186/s40035-022-00325-x>

Kim, T.-K., E.-J. Bae, et al. (2022). "Inflammation promotes synucleinopathy propagation." *Experimental & Molecular Medicine*. <https://doi.org/10.1038/s12276-022-00895-w>

Orekhova, K., E. Selmanovic, et al. (2022) "Multimodal Assessment of Bottlenose Dolphin Auditory Nuclei Using 7-Tesla MRI, Immunohistochemistry and Stereology." *Veterinary Sciences* 9 DOI: 10.3390/vetsci9120692. <https://doi.org/10.3390/vetsci9120692>

Reynolds, L. M., A. H. Pantoja-Urbán, et al. (2023). Quantifying Dopaminergic Innervation in Rodents Using Unbiased Stereology. *Dopaminergic System Function and Dysfunction: Experimental Approaches*. J. A. Fuentealba-Evans and P. Henny. New York, NY, Springer US: 31-63. https://doi.org/10.1007/978-1-0716-2799-0_2

Brady, M. V., J. Mariani, et al. (2022). "Mispatterning and interneuron deficit in Tourette Syndrome basal ganglia organoids." *Mol Psychiatry* 29(10): 022-01880. DOI: 10.1038/s41380-022-01880-5

Mankouski, A., T. A. Miller, et al. (2022). "Large artery stiffening and mortality in a rat model of early vascular remodeling induced by intrauterine growth restriction and a high-fat diet." *Physiological Reports* 10(23): e15518. <https://doi.org/10.14814/phy2.15518>

Woodward, E. M., A. Ringland, et al. (2023). "Prepubertal ovariectomy confers resilience to stress-induced anxiety in adult female mice." *Psychoneuroendocrinology* 148: 105997. <https://doi.org/10.1016/j.psyneuen.2022.105997>

Hao, F., F. Jia, et al. (2023). "Proper wiring of newborn neurons to control bladder function after complete spinal cord injury." *Biomaterials* 292: 121919. <https://doi.org/10.1016/j.biomaterials.2022.121919>

Kodali, M., L. N. Madhu, et al. (2022). "Intranasally Administered Human MSC-derived Extracellular Vesicles Inhibit NLRP3-p38/MAPK Signaling after TBI and Prevent Chronic Brain Dysfunction." *Brain, Behavior, and Immunity*. <https://doi.org/10.1016/j.bbi.2022.11.014>

La Barbera, L., A. Nobili, et al. (2022). "Upregulation of Ca²⁺-binding proteins contributes to VTA dopamine neuron survival in the early phases of Alzheimer's disease in Tg2576 mice." *Molecular Neurodegeneration* 17(1): 76. <https://doi.org/10.1186/s13024-022-00580-6>

Rother, C., R. E. Uhlmann, et al. (2022). "Experimental evidence for temporal uncoupling of brain A β deposition and neurodegenerative sequelae." *Nature Communications* 13(1): 7333. <https://doi.org/10.1038/s41467-022-34538-5>

Marielle, J., M. Jovana, et al. (2022). "Bank voles show more impulsivity in IntelliCage learning tasks than wood mice." *Neuroscience*. <https://doi.org/10.1016/j.neuroscience.2022.11.011>

Wagner, J., K. Degenhardt, et al. (2022). "Medin co-aggregates with vascular amyloid- β in Alzheimer's disease." *Nature*. <https://doi.org/10.1038/s41586-022-05440-3>

Basurco, L., M. A. Abellanas, et al. (2022). "Microglia and astrocyte activation is region-dependent in the α -synuclein mouse model of Parkinson's disease." *Glia* 10(10): 24295. DOI: 10.1002/glia.24295

Liu, Y., L. Cao, et al. (2022). "Mitochondrial glutamine transporter SLC1A5_var, a potential target to suppress astrocyte reactivity in Parkinson's Disease." *Cell Death & Disease* 13(11): 946. <https://doi.org/10.1038/s41419-022-05399-z>

Martin Molinero, G. D., G. G. Boldrini, et al. (2022). "A soybean based-diet prevents Cadmium access to rat cerebellum, maintaining trace elements homeostasis and avoiding morphological alterations." *BioMetals*. <https://doi.org/10.1007/s10534-022-00462-w>

Oddes, D., A. Ngwenya, et al. (2022). "Orexinergic neurons in the hypothalami of an Asiatic lion, an African lion, and a Southeast African cheetah." *J Comp Neurol* 10(10): 25431. DOI: 10.1002/cne.25431

Folorunso, O. O., T. L. Harvey, et al. (2023). "The D-serine biosynthetic enzyme serine racemase is expressed by reactive astrocytes in the amygdala of human and a mouse model of Alzheimer's disease." *Neuroscience Letters* 792: 136958. <https://doi.org/10.1016/j.neulet.2022.136958>

Osorio, M. J., J. N. Mariani, et al. (2022). "Glial progenitor cells of the adult human white and grey matter are contextually distinct." *Glia* 5(10): 24291. DOI: 10.1002/glia.24291

Sun, S. and M. Brecht (2022). "Relative enlargement of the medial preoptic nucleus in the Etruscan shrew, the smallest torpid mammal." *Scientific Reports* 12(1): 18602. <https://doi.org/10.1038/s41598-022-22320-y>

Cui, X., Y.-Q. Weng, et al. (2011). "The cell adhesion molecule L1 regulates the expression of choline acetyltransferase and the development of septal cholinergic neurons." *Brain and Behavior* 1(2): 73-86. <https://doi.org/10.1002/brb3.15>

Kaufmann, L. V., U. Schneeweiß, et al. (2022). "Elephant facial motor control." *Science Advances* 8(43): eabq2789. DOI: 10.1126/sciadv.abq2789

Yates, A. G., E. Kisilitsyna, et al. (2022). "Montelukast reduces grey matter abnormalities and functional deficits in a mouse model of inflammation-induced encephalopathy of prematurity." *Journal of Neuroinflammation* 19(1): 265. <https://doi.org/10.1186/s12974-022-02625-5>

Cha, M.-J., J. Ha, et al. (2022). "Neutrophil Recruitment in Arterial Thrombus and Characteristics of Stroke Patients with Neutrophil-Rich Thrombus." *Yonsei Med J* 63(11): 1016-1026. <https://doi.org/10.3349/ymj.2022.0328>

Scott, L., S. S. Karuppagounder, et al. (2022). "The absence of Parkin does not promote dopamine or mitochondrial dysfunction in PolgA^{D257A/D257A} mitochondrial mutator mice." *The Journal of Neuroscience*: JN-RM-0545-0522. <https://doi.org/10.1523/JNEUROSCI.0545-22.2022>

Jahanshahi, A., J. T. Boonstra, et al. (2022). "Hidden brain atrophy in ultra-high field MR images in a transgenic rat model of Huntington's disease." *Brain Disorders* 6: 100039. <https://doi.org/10.1016/j.dscb.2022.100039>

Cordaro, M., S. Modafferi, et al. (2022) "Natural Compounds such as *Herichium erinaceus* and *Coriolus versicolor* Modulate Neuroinflammation, Oxidative Stress and Lipoxin A4 Expression in Rotenone-Induced Parkinson's Disease in Mice." *Biomedicines* 10 DOI: 10.3390/biomedicines10102505. <https://doi.org/10.3390/biomedicines10102505>

Filho, G., C. Júnior, et al. (2022) "All-Polymeric Electrode Based on PEDOT:PSS for In Vivo Neural Recording." *Biosensors* 12 DOI: 10.3390/bios12100853. <https://doi.org/10.3390/bios12100853>

Quinn, J. F., M. J. Kelly, et al. (2022). "The novel estrogen modulator STX attenuates Amyloid- β neurotoxicity in the 5XFAD mouse model of Alzheimer's disease." *Neurobiology of Disease* 174: 105888. <https://doi.org/10.1016/j.nbd.2022.105888>

Turcato, F. C., E. Wegman, et al. (2022). "Dopaminergic neurons are not a major SHH ligand source for striatal cholinergic or PV interneurons." *iScience*: 105278. <https://doi.org/10.1016/j.isci.2022.105278>

Rao, S. P., W. Xie, et al. (2022). "Sulfanegen stimulates 3-mercaptopyruvate sulfurtransferase activity and ameliorates Alzheimer's disease pathology and oxidative stress in vivo." *Redox Biology* 57: 102484. <https://doi.org/10.1016/j.redox.2022.102484>

Hernández Mercado, K., A. Martínez Moreno, et al. (2022). "Progression in Time of Dentate Gyrus Granule Cell Layer Widening due to Excitotoxicity Occurs along In Vivo LTP Reinstatement and Contextual Fear Memory Recovery." *Neural Plasticity* 2022: 7432842. <https://doi.org/10.1155/2022/7432842>

Beauchamp, L. C., X. M. Liu, et al. (2022). "ATH434 Rescues Pre-motor Hyposmia in a Mouse Model of Parkinsonism." *Neurotherapeutics*. <https://doi.org/10.1007/s13311-022-01300-0>

Kiyose, M., E. Herrmann, et al. (2022). "MR imaging profile and histopathological characteristics of tumour vasculature, cell density and proliferation rate define two distinct growth patterns of human brain metastases from lung cancer." *Neuroradiology*. <https://doi.org/10.1007/s00234-022-03060-2>

de Fisenne, M. A., Z. Yilmaz, et al. (2022). "Alzheimer PHF-tau aggregates do not spread tau pathology to the brain via the Retino-tectal projection after intraocular injection in mouse models." *Neurobiology of Disease*: 105875. <https://doi.org/10.1016/j.nbd.2022.105875>

Müller, F., F. De Virgiliis, et al. (2022). "CBP/p300 activation promotes axon growth, sprouting, and synaptic plasticity in chronic experimental spinal cord injury with severe disability." *PLOS Biology* 20(9): e3001310. <https://doi.org/10.1371/journal.pbio.3001310>

Zhang, Y., X. Sun, et al. (2022). "GPBAR1 preserves neurite and synapse of dopaminergic neurons via RAD21-OPCML signaling: Role in preventing Parkinson's disease in mouse model and human patients." *Pharmacological Research* 184: 106459. <https://doi.org/10.1016/j.phrs.2022.106459>

Armstrong, E. A., P. Richards-Rios, et al. (2022). "Poor body condition is associated with lower hippocampal plasticity and higher gut methanogen abundance in adult laying hens from two housing systems." *Scientific Reports* 12(1): 15505. <https://doi.org/10.1038/s41598-022-18504-1>

Benraiss, A., J. N. Mariani, et al. (2022). "A TCF7L2-responsive suppression of both homeostatic and compensatory remyelination in Huntington disease mice." *Cell Reports* 40(9): 111291. <https://doi.org/10.1016/j.celrep.2022.111291>

Helwig, M., A. Ulusoy, et al. "Neuronal hyperactivity-induced oxidant stress promotes in vivo α -synuclein brain spreading." *Science Advances* 8(35): eabn0356. DOI: 10.1126/sciadv.abn0356

Kam, T.-I., H. Park, et al. (2022). "Amelioration of pathologic α -synuclein-induced Parkinson's disease by irisin." *Proceedings of the National Academy of Sciences* 119(36): e2204835119. <https://doi.org/10.1073/pnas.2204835119>

Liu, Y., W. Wang, et al. (2022). "Ghrelin Bridges DMV Neuropathology and GI Dysfunction in the Early Stages of Parkinson's Disease." *Advanced Science* n/a(n/a): 2203020. <https://doi.org/10.1002/adv.202203020>

Charbonneau, J. A., J. L. Bennett, et al. (2022). "Reorganization in the macaque interoceptive- allostatic network following anterior cingulate cortex damage." *Cerebral Cortex*: bhac346. <https://doi.org/10.1093/cercor/bhac346>

Baloh, R. H., J. P. Johnson, et al. (2022). "Transplantation of human neural progenitor cells secreting GDNF into the spinal cord of patients with ALS: a phase 1/2a trial." *Nature Medicine*. <https://doi.org/10.1038/s41591-022-01956-3>

Ostos, S., G. Aparicio, et al. (2022). "Quantitative analysis of the GABAergic innervation of the soma and axon initial segment of pyramidal cells in the human and mouse neocortex." *Cerebral Cortex*: bhac314. <https://doi.org/10.1093/cercor/bhac314>

Seiglie, M. P., L. Lepeak, et al. (2022). "The Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) System of the Central Amygdala Mediates the Detrimental Effects of Chronic Social Defeat Stress in Rats." *eneuro: ENEURO.0260-0222.2022*. <https://doi.org/10.1523/ENEURO.0260-22.2022>

Bevilacqua Rolfsen Ferreira da Silva, G., S. Pereira das Neves, et al. (2022). "Comparative effectiveness of preventive treatment with dimethyl fumarate-loaded solid lipid nanoparticles and oral dimethyl fumarate in a mouse model of multiple sclerosis." *Journal of Autoimmunity* 132: 102893. <https://doi.org/10.1016/j.jaut.2022.102893>

Pradhan, L. K., P. K. Sahoo, et al. (2022). "Suppression of Chronic Unpredictable Stress- Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain." *Neurochemical Research*. <https://doi.org/10.1007/s11064-022-03724-8>

Kim, S. Y., V. V. Senatorov, et al. (2017). "TGF β signaling is associated with changes in inflammatory gene expression and perineuronal net degradation around inhibitory neurons following various neurological insults." *Scientific Reports* 7(1): 7711. <https://doi.org/10.1038/s41598-017-07394-3>

Mirjalili Mohanna, S. Z., D. Djaksigulova, et al. (2022). "LNP-mediated delivery of CRISPR RNP for wide-spread in vivo genome editing in mouse cornea." *Journal of Controlled Release* 350: 401-413. <https://doi.org/10.1016/j.jconrel.2022.08.042>

Huang, D., Q. Xiao, et al. (2022). "Positive effects of running exercise on astrocytes in the medial prefrontal cortex in an animal model of depression." *Journal of Comparative Neurology* n/a(n/a). <https://doi.org/10.1002/cne.25397>

Poupon-Bejuit, L., M. P. Hughes, et al. (2022). "A GLP1 receptor agonist diabetes drug ameliorates neurodegeneration in a mouse model of infantile neurometabolic disease." *Scientific Reports* 12(1): 13825. <https://doi.org/10.1038/s41598-022-17338-1>

Alosaimi, F., Y. Temel, et al. (2022). "High-frequency stimulation of the subthalamic nucleus induces a sustained inhibition of serotonergic system via loss of cell phenotype." *Scientific Reports* 12(1): 14011. <https://doi.org/10.1038/s41598-022-18294-6>

Mishra, R., T. Phan, et al. (2022). "Augmenting neurogenesis rescues memory impairments in Alzheimer's disease by restoring the memory-storing neurons." *Journal of Experimental Medicine* 219(9). <https://doi.org/10.1084/jem.20220391>

Calderazzo, S. M., M. Covert, et al. (2022). "Neural Recovery After Cortical Injury: Effects of MSC Derived Extracellular Vesicles on Motor Circuit Remodeling in Rhesus Monkeys." *IBRO Neuroscience Reports*. <https://doi.org/10.1016/j.ibneur.2022.08.001>

Eid, A., I. Mhatre-Winters, et al. (2022). "Effects of DDT on Amyloid Precursor Protein Levels and Amyloid Beta Pathology: Mechanistic Links to Alzheimer's Disease Risk." *Environmental Health Perspectives* 130(8): 087005. <https://doi.org/10.1289/EHP10576>

Loayza, M., S. Lin, et al. (2022). "Maternal immune activation alters fetal and neonatal microglia phenotype and disrupts neurogenesis in mice." *Pediatric Research*. <https://doi.org/10.1038/s41390-022-02239-w>

Upadhyay, D., S. Attaluri, et al. (2022). "Grafted hPSC-derived GABA-ergic interneurons regulate seizures and specific cognitive function in temporal lobe epilepsy." *npj Regenerative Medicine* 7(1): 38. <https://doi.org/10.1038/s41536-022-00234-7>

Farrell, M. R., Q. Ye, et al. (2022). "Ventral pallidum GABA neurons bidirectionally control opioid relapse across rat behavioral models." *bioRxiv*: 2022.2002.2003.479042. <https://doi.org/10.1101/2022.02.03.479042>

Almasabi, F., F. Alosaimi, et al. (2022). "Post-Mortem Analysis of Neuropathological Changes in Human Tinnitus." *Brain Sciences* 12(8): 1024. <https://doi.org/10.3390/brainsci12081024>

Liu, Y., T. Liu, et al. (2022). "Impeding the combination of astrocytic ASCT2 and NLRP3 by talniflumate alleviates neuroinflammation in experimental models of Parkinson's disease." *Acta Pharmaceutica Sinica B*. <https://doi.org/10.1016/j.apsb.2022.07.021>

Martersteck, A., I. Ayala, et al. (2022). "Focal amyloid and asymmetric tau in an imaging-to-autopsy case of clinical primary progressive aphasia with Alzheimer disease

neuropathology." *Acta Neuropathologica Communications* 10(1): 111. <https://doi.org/10.1186/s40478-022-01412-w>

Li, Y., Z. Lei, et al. (2022). "Impairment of autophagy after spinal cord injury potentiates neuroinflammation and motor function deficit in mice." *Theranostics* 12(12): 5364-5388. DOI: 10.7150/thno.72713

Song, M. K., L. Adams, et al. (2022). "NXP031 prevents dopaminergic neuronal loss and oxidative damage in the AAV-WT- α -synuclein mouse model of Parkinson's disease." *PLOS ONE* 17(7): e0272085. <https://doi.org/10.1371/journal.pone.0272085>

Luo, F., J. Wang, et al. (2022). "Inhibition of CSPG receptor PTP σ promotes migration of newly born neuroblasts, axonal sprouting, and recovery from stroke." *Cell Reports* 40(4): 111137. <https://doi.org/10.1016/j.celrep.2022.111137>

Madison, F. N., N. Palin, et al. (2022). "Sex-specific effects of neonatal paternal deprivation on microglial cell density in adult California mouse (*Peromyscus californicus*) dentate gyrus." *Brain, Behavior, and Immunity* 106: 1-10. <https://doi.org/10.1016/j.bbi.2022.07.161>

Lin, X., T. Zhao, et al. (2022). "7,8-Dihydroxyflavone accelerates recovery of Brown-Sequard syndrome in adult female rats with spinal cord lateral hemisection." *Biomedicine & Pharmacotherapy* 153: 113397. <https://doi.org/10.1016/j.biopha.2022.113397>

Petty, A., L. J. Glass, et al. (2022). "Increased levels of a pro-inflammatory IgG receptor in the midbrain of people with schizophrenia." *Journal of Neuroinflammation* 19(1): 188. <https://doi.org/10.1186/s12974-022-02541-8>

Dutta, D., R. K. Paidi, et al. (2022). "Treadmill exercise reduces α -synuclein spreading via PPAR α ." *Cell Reports* 40(2): 111058. <https://doi.org/10.1016/j.celrep.2022.111058>

Li, J., P. Zhu, et al. (2022). "The liver X receptors agonist GW3965 attenuates depressive-like behaviors and suppresses microglial activation and neuroinflammation in hippocampal subregions in a mouse depression model." *Journal of Comparative Neurology* n/a(n/a). <https://doi.org/10.1002/cne.25380>

Wong, F. K., M. Selten, et al. (2022). "Serotonergic regulation of bipolar cell survival in the developing cerebral cortex." *Cell Reports* 40(1): 111037. <https://doi.org/10.1016/j.celrep.2022.111037>

Kumar, A. J., A. Y. Helou, et al. (2022). "Sensorimotor development of male and female rats subjected to neonatal anoxia." *Developmental Psychobiology* 64(7): e22291. <https://doi.org/10.1002/dev.22291>

Won, S.-Y., J.-J. Park, et al. (2022). "p21-activated kinase 4 controls the aggregation of α -synuclein by reducing the monomeric and aggregated forms of α -synuclein: involvement of the E3 ubiquitin ligase NEDD4-1." *Cell Death & Disease* 13(6): 575. <https://doi.org/10.1038/s41419-022-05030-1>

Palese, F., S. Pontis, et al. (2022). "Targeting NAAA counters dopamine neuron loss and symptom progression in mouse models of parkinsonism." *Pharmacological Research* 182: 106338. <https://doi.org/10.1016/j.phrs.2022.106338>

Wang, M. Z., B. Y. Hayden, et al. (2022). "A structural and functional subdivision in central orbitofrontal cortex." *Nature Communications* 13(1): 3623. <https://doi.org/10.1038/s41467-022-31273-9>

Salaka, R. J., K. P. Nair, et al. (2022). "Differential effects of levetiracetam on hippocampal CA1 synaptic plasticity and molecular changes in the dentate gyrus in epileptic rats." *Neurochemistry International* 158: 105378. <https://doi.org/10.1016/j.neuint.2022.105378>

Rauschenberger, L., J. Behnke, et al. (2022). "Age-dependent neurodegeneration and neuroinflammation in a genetic A30P/A53T double-mutated α -synuclein mouse model of Parkinson's disease." *Neurobiology of Disease* 171: 105798. <https://doi.org/10.1016/j.nbd.2022.105798>

Liu, H., A. Wolters, et al. (2022). "Deep brain stimulation of the nucleus basalis of Meynert in an experimental rat model of dementia: Stimulation parameters and mechanisms." *Neurobiology of Disease* 171: 105797. <https://doi.org/10.1016/j.nbd.2022.105797>

Markovic, M., P. Yeapuri, et al. (2022). "Interleukin-2 expands neuroprotective regulatory T cells in Parkinson's disease." *NeuroImmune Pharmacology and Therapeutics*. <https://doi.org/10.1515/nipt-2022-0001>

Musacchio, T., J. Yin, et al. (2022). "Temporal, spatial and molecular pattern of dopaminergic neurodegeneration in the AAV-A53T α -synuclein rat model of Parkinson's disease." *Behavioural Brain Research* 432: 113968. <https://doi.org/10.1016/j.bbr.2022.113968>

Ventura-Antunes, L., O. M. Dasgupta, et al. (2022). "Resting Rates of Blood Flow and Glucose Use per Neuron Are Proportional to Number of Endothelial Cells Available per Neuron Across Sites in the Rat Brain." *Frontiers in Integrative Neuroscience* 16. <https://doi.org/10.3389/fnint.2022.821850>

Valenzuela, M., T. Duncan, et al. (2022). "Autologous skin-derived neural precursor cell therapy reverses canine Alzheimer dementia-like syndrome in a proof of concept veterinary trial." *Stem Cell Research & Therapy* 13(1): 261. <https://doi.org/10.1186/s13287-022-02933-w>

Aytan, N., J.-K. Choi, et al. (2016). "Fingolimod modulates multiple neuroinflammatory markers in a mouse model of Alzheimer's disease." *Scientific Reports* 6(1): 24939. <https://doi.org/10.1038/srep24939>

Liu, Z., N. Yang, et al. (2022). "Deficiency in endocannabinoid synthase DAGLB contributes to early onset Parkinsonism and murine nigral dopaminergic neuron dysfunction." *Nature Communications* 13(1): 3490. <https://doi.org/10.1038/s41467-022-31168-9>

Levis, S. C., M. T. Birnie, et al. (2022). "Enduring disruption of reward and stress circuit activities by early-life adversity in male rats." *Translational Psychiatry* 12(1): 251. <https://doi.org/10.1038/s41398-022-01988-w>

Seelman, A., K. Vu, et al. (2022). "Cannabinoid receptor 1-labeled boutons in the sclerotic dentate gyrus of epileptic sea lions." *Epilepsy Research* 184: 106965. <https://doi.org/10.1016/j.eplepsyres.2022.106965>

Noda, S., S. Sato, et al. (2022). "Impaired mitochondrial accumulation and Lewy pathology in neuron-specific FBXO7-deficient mice." *Molecular Brain* 15(1): 54. <https://doi.org/10.1186/s13041-022-00936-5>

Oveisgharan, S., L. Yu, et al. (2022). "Neurodegenerative and cerebrovascular brain pathologies are differentially associated with declining grip strength and gait in older adults." *The Journals of Gerontology: Series A*: glac128. <https://doi.org/10.1093/gerona/glac128>

Leopold, A. V., S. Thankachan, et al. (2022). "A general approach for engineering RTKs optically controlled with far-red light." *Nature Methods*. <https://doi.org/10.1038/s41592-022-01517-z>

Li, M., K. Wang, et al. (2022). "The modulatory effect of 100 Hz electroacupuncture on striatal synaptic plasticity in unilateral lesioned 6-OHDA rats." *Brain Research Bulletin* 186: 123-135. <https://doi.org/10.1016/j.brainresbull.2022.06.004>

Rangasamy, S. B., D. Dutta, et al. (2022). "Protection of dopaminergic neurons in hemiparkinsonian monkeys by flavouring ingredient glyceryl tribenzoate." *NeuroImmune Pharmacology and Therapeutics*. <https://doi.org/10.1515/nipt-2022-0005>

Reddy, D. S., V. M. Golub, et al. (2022). "A Comprehensive and Advanced Mouse Model of Post-Traumatic Epilepsy with Robust Spontaneous Recurrent Seizures." *Current Protocols* 2(6): e447. <https://doi.org/10.1002/cpz1.447>

Ernst, P., T. M. Schnöder, et al. (2022). "Histone demethylase KDM4C is a functional dependency in JAK2-mutated neoplasms." *Leukemia*. <https://doi.org/10.1038/s41375-022-01611-3>

Wang, S.-m., Q. Wang, et al. (2022). "Effects of hCG on DA neuronal death of Parkinson's disease." *Biochemical and Biophysical Research Communications* 617: 41-47. <https://doi.org/10.1016/j.bbrc.2022.05.089>

Jahanshahi, A., J. T. Boonstra, et al. (2022). "Hidden brain atrophy in ultra-high field MR images in a transgenic rat model of Huntington's disease." *Brain Disorders* 6: 100039. <https://doi.org/10.1016/j.dscb.2022.100039>

Song, B., J. W. Feldmann, et al. (2022). "A Pitx3-deficient developmental mouse model for fine motor, olfactory, and gastrointestinal symptoms of Parkinson's disease." *Neurobiology of Disease* 170: 105777. <https://doi.org/10.1016/j.nbd.2022.105777>

Imam, A., A. Bhagwandin, et al. (2022). "The brain of the tree pangolin (*Manis tricuspis*). IX. The pallial telencephalon." *Journal of Comparative Neurology* n/a(n/a). <https://doi.org/10.1002/cne.25349>

Giffin-Rao, Y., J. Sheng, et al. (2022). "Altered patterning of trisomy 21 interneuron progenitors." *Stem Cell Reports*. <https://doi.org/10.1016/j.stemcr.2022.05.001>

Creed, R. B., A. A. Memon, et al. (2022). "Analysis of hemisphere-dependent effects of unilateral intrastriatal injection of α -synuclein pre-formed fibrils on mitochondrial protein levels, dynamics, and function." *Acta Neuropathologica Communications* 10(1): 78. <https://doi.org/10.1186/s40478-022-01374-z>

Kang, S. S., Z. Wu, et al. (2022). "Treating Parkinson's Disease via Activation of BDNF/TrkB Signaling Pathways and Inhibition of Delta-Secretase." *Neurotherapeutics*. <https://doi.org/10.1007/s13311-022-01248-1>

Wiesmann, M., V. Zerbi, et al. (2016). "A Dietary Treatment Improves Cerebral Blood Flow and Brain Connectivity in Aging apoE4 Mice." *Neural Plasticity* 2016: 6846721. <https://doi.org/10.1155/2016/6846721>

Ackermans, N. L., M. Varghese, et al. (2022). "Evidence of traumatic brain injury in headbutting bovids." *Acta Neuropathologica*. <https://doi.org/10.1007/s00401-022-02427-2>

Empl, L., A. Chovsepian, et al. (2022). "Selective plasticity of callosal neurons in the adult contralesional cortex following murine traumatic brain injury." *Nature Communications* 13(1): 2659. <https://doi.org/10.1038/s41467-022-29992-0>

Tran, K. K. N., V. H. Y. Wong, et al. (2022). "Characterization of retinal function and structure in the MPTP murine model of Parkinson's disease." *Scientific Reports* 12(1): 7610. <https://doi.org/10.1038/s41598-022-11495-z>

Xu, X., X. He, et al. (2022). "CREB inactivation by HDAC1/PP1 γ contributes to dopaminergic neurodegeneration in Parkinson's disease." *The Journal of Neuroscience*: JN-RM-1419- 1421. <https://doi.org/10.1523/JNEUROSCI.1419-21.2022>

Yu, J., C. Sgobio, et al. (2022). "Selective expression of neurodegenerative diseases-related mutant p150^{Glued} in midbrain dopaminergic neurons causes progressive degeneration of nigrostriatal pathway." *Ageing and Neurodegenerative Diseases* 2(2): 6. 10.20517/and.2022.07

Knowles, J. K., H. Xu, et al. (2022). "Maladaptive myelination promotes generalized epilepsy progression." *Nature Neuroscience* 25(5): 596-606. <https://doi.org/10.1038/s41593-022-01052-2>

Han, S., Y. Feng, et al. (2022). "Role of OCT3 and DRP1 in the Transport of Paraquat in Astrocytes: A Mouse Study." *Environmental Health Perspectives* 130(5): 057004. <https://doi.org/10.1289/EHP9505>

Jassim, A. H., N. Y. Nsiah, et al. (2022). "Ocular Hypertension Results in Hypoxia within Glia and Neurons throughout the Visual Projection." *Antioxidants* 11(5). <https://doi.org/10.3390/antiox11050888>

Jia, F., H. Li, et al. (2022). "Deubiquitylase OTUD3 prevents Parkinson's disease through stabilizing iron regulatory protein 2." *Cell Death & Disease* 13(4): 418. <https://doi.org/10.1038/s41419-022-04704-0>

Leemann, S., A. Babalian, et al. (2022). "The PV2 cluster of parvalbumin neurons in the murine periaqueductal gray: connections and gene expression." *Brain Structure and Function*. <https://doi.org/10.1007/s00429-022-02491-0>

Ali, Z., G. Sivakumar, et al. (2022). "A report on digitised neuronal tracing method to study neurons in their entirety." *MethodsX*: 101715. <https://doi.org/10.1016/j.mex.2022.101715>

Uygun, D. S., C. Yang, et al. (2022). "Knockdown of GABAA alpha3 subunits on thalamic reticular neurons enhances deep sleep in mice." *Nature Communications* 13(1): 2246. <https://doi.org/10.1038/s41467-022-29852-x>

Xue, X., R. Duan, et al. (2022). "Translocator protein (18 kDa) regulates the microglial phenotype in Parkinson's disease through P47." *Bioengineered* 13(4): 11061-11071. <https://doi.org/10.1080/21655979.2022.2068754>

Hiller, B. M., D. J. Marmion, et al. (2022). "Optimizing maturity and dose of iPSC-derived dopamine progenitor cell therapy for Parkinson's disease." *npj Regenerative Medicine* 7(1): 24. <https://doi.org/10.1038/s41536-022-00221-y>

Ritzel, R. M., Y. Li, et al. (2022). "Functional and transcriptional profiling of microglial activation during the chronic phase of TBI identifies an age-related driver of poor outcome in old mice." *GeroScience*. <https://doi.org/10.1007/s11357-022-00562-y>

Liu, M., C. Liu, et al. (2022). "Role of upregulation of the KATP channel subunit SUR1 in dopaminergic neuron degeneration in Parkinson's disease." *Aging Cell* n/a(n/a): e13618. <https://doi.org/10.1111/acer.13618>

Elena A. Armstrong, Peter Richards-Rios, Lucy Addison et al. Poor body condition is associated with lower hippocampal neurogenesis and higher gut methanogen abundance in adult laying hens from two housing systems, 20 April 2022, PREPRINT (Version 1) available at Research Square <https://doi.org/10.21203/rs.3.rs-1529380/v1>

Bisicchia, E., R. Mastrantonio, et al. (2022). "Restoration of ER proteostasis attenuates remote apoptotic cell death after spinal cord injury by reducing autophagosome overload." *Cell Death & Disease* 13(4): 381. <https://doi.org/10.1038/s41419-022-04830-9>

Duan, N., Y. Zhang, et al. (2022). "Therapeutic targeting of STING-TBK1-IRF3 signalling ameliorates chronic stress induced depression-like behaviours by modulating neuroinflammation and microglia phagocytosis." *Neurobiology of Disease* 169: 105739. <https://doi.org/10.1016/j.nbd.2022.105739>

das Neves, S. P., C. Serre-Miranda, et al. (2022). "Lipocalin-2 does not influence EAE clinical score but it increases inflammation in central nervous system." *Journal of Neuroimmunology*: 577872. <https://doi.org/10.1016/j.jneuroim.2022.577872>

Catale, C., L. Lo Iacono, et al. (2022). "Early Life Social Stress Causes Sex- and Region-Dependent Dopaminergic Changes that Are Prevented by Minocycline." *Molecular Neurobiology*. <https://doi.org/10.1007/s12035-022-02830-6>

Käufer, C., C. S. Schreiber, et al. (2022). "Microgliosis and neuronal proteinopathy in brain persist beyond viral clearance in SARS-CoV-2 hamster model." *eBioMedicine* 79: 103999. <https://doi.org/10.1016/j.ebiom.2022.103999>

Bao, F., L. Zhou, et al. "Mitolysosome exocytosis, a mitophagy-independent mitochondrial quality control in flunarizine-induced parkinsonism-like symptoms." *Science Advances* 8(15): eabk2376. DOI: 10.1126/sciadv.abk2376

Perrino, P. A., R. Y. Chasse, et al. (2022). "Rapid auditory processing and medial geniculate nucleus anomalies in Kiaa0319 knockout mice." *Genes, Brain and Behavior* n/a(n/a): e12808. <https://doi.org/10.1111/gbb.12808>

Hatayama, K., S. Riddick, et al. (2022). "Time Course of Changes in the Neurovascular Unit after Hypoxic-Ischemic Injury in Neonatal Rats." *International Journal of Molecular Sciences* 23(8): 4180. <https://doi.org/10.3390/ijms23084180>

Burmeister, A. R., J. Gordevicius, et al. (2022). "Maternal Herpesviridae infection during pregnancy alters midbrain dopaminergic signatures in adult offspring." *Neurobiology of Disease* 169: 105720. <https://doi.org/10.1016/j.nbd.2022.105720>

Goldwaser, E. L., R. L. Swanson, et al. (2022). "A Preliminary Report: The Hippocampus and Surrounding Temporal Cortex of Patients With Schizophrenia Have Impaired Blood-Brain Barrier." *Frontiers in Human Neuroscience* 16. <https://doi.org/10.3389/fnhum.2022.836980>

Todd, D., M. Clapp, et al. (2022). "Purkinje cell-specific deletion of CREB worsens alcohol-induced cerebellar neuronal losses and motor deficits." *Alcohol*. <https://doi.org/10.1016/j.alcohol.2022.02.005>

Hibbard, E. A. and D. R. Sengelaub (2022). "Intraneural Topography of Rat Sciatic Axons: Implications for Polyethylene Glycol Fusion Peripheral Nerve Repair." *Frontiers in Cellular Neuroscience* 16. <https://doi.org/10.3389/fncel.2022.852933>

Zheng, X., T. Mi, et al. (2022). "Progranulin deficiency promotes persistent neuroinflammation and causes regional pathology in the hippocampus following traumatic brain injury." *Glia* n/a(n/a). <https://doi.org/10.1002/glia.24175>

Mann, T. S., A. N. Larcombe, et al. (2022). "Azithromycin inhibits mucin secretion, mucous metaplasia, airway inflammation and airways hyperresponsiveness in mice exposed to house dust mite extract." *American Journal of Physiology-Lung Cellular and Molecular Physiology*. <https://doi.org/10.1152/ajplung.00487.2021>

Davis, J. L. B., M. O'Connor, et al. (2022). "The Impact of Maternal Antioxidants on Prenatal Stress Effects on Offspring Neurobiology and Behavior." *The Yale journal of biology and medicine* 95(1): 87-104. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8961714/>

Tseng, P.-H., C.-C. Chao, et al. (2022). "Diabetic visceral neuropathy of gastroparesis: gastric mucosal innervation and clinical significance." *European Journal of Neurology* n/a(n/a). <https://doi.org/10.1111/ene.15333>

Moreno, M., C. Minjarez, et al. (2022). "Differences in hippocampal plasticity and memory outcomes in anterior versus posterior cerebellar stroke." *Neurobiology of Disease* 168: 105701. <https://doi.org/10.1016/j.nbd.2022.105701>

Shinnyi, C., R. Teijis, et al. (2022). *Scientific Reports*. 10.21203/rs.3.rs-1451626/v1

González-Granillo, A. E., D. Gnecco, et al. (2022). "Curcumin induces cortico-hippocampal neuronal reshaping and memory improvements in aged mice." *Journal of Chemical Neuroanatomy* 121: 102091. <https://doi.org/10.1016/j.jchemneu.2022.102091>

Vitaliano, G. D., J. K. Kim, et al. (2022). "Clathrin-nanoparticles deliver BDNF to hippocampus and enhance neurogenesis, synaptogenesis and cognition in HIV/neuroAIDS mouse model." *Communications Biology* 5(1): 236. <https://doi.org/10.1038/s42003-022-03177-3>

Ziaei, A., M. Garcia-Miralles, et al. (2022). "Ermin deficiency leads to compromised myelin, inflammatory milieu, and susceptibility to demyelinating insult." *Brain Pathology* n/a(n/a): e13064. <https://doi.org/10.1111/bpa.13064>

Rasińska, J., C. Klein, et al. (2022). "Transposon-mediated glial cell line-derived neurotrophic factor overexpression in human adipose tissue-derived mesenchymal stromal cells: A potential approach for neuroregenerative medicine?" *Journal of Tissue Engineering and Regenerative Medicine* n/a(n/a). <https://doi.org/10.1002/term.3296>

Beckman, D., A. M. H. Seelke, et al. (2022). "Neuroanatomical abnormalities in a nonhuman primate model of congenital Zika virus infection." *eLife* 11: e64734. DOI: 10.7554/eLife.64734

Bérard, M., R. Sheta, et al. (2022). "A light-inducible protein clustering system for in vivo analysis of α -synuclein aggregation in Parkinson disease." *PLOS Biology* 20(3): e3001578. <https://doi.org/10.1371/journal.pbio.3001578>

Lv, Y.-Q., L. Yuan, et al. (2022). "Long-term hyperglycemia aggravates α -synuclein aggregation and dopaminergic neuronal loss in a Parkinson's disease mouse model." *Translational Neurodegeneration* 11(1): 14. <https://doi.org/10.1186/s40035-022-00288-z>

Stockman, S. L., K. E. Kight, et al. (2022). "Neurogenesis in the neonatal rat hippocampus is regulated by sexually dimorphic epigenetic modifiers." *Biology of Sex Differences* 13(1): 9. <https://doi.org/10.1186/s13293-022-00418-2>

Liu, F., F.-X. Reichl, et al. (2022). "Disrupted biomineralization in zebra mussels after exposure to bisphenol-A: Potential implications for molar-incisor hypomineralization." *Dental Materials*. <https://doi.org/10.1016/j.dental.2022.02.010>

DeAngeli, N. E., D. I. Fournier, et al. (2022). "Postrhinal cortex contributions to the expression of auditory fear conditioning." *Neurobiology of Learning and Memory*: 107609. <https://doi.org/10.1016/j.nlm.2022.107609>

Xue, Y., Z. Gursky, et al. (2022). "Sustained glymphatic transport and impaired drainage to the nasal cavity observed in multiciliated cell ciliopathies with hydrocephalus." *Fluids and Barriers of the CNS* 19(1): 20. <https://doi.org/10.1186/s12987-022-00319-x>

Kostović, I., D. Džaja, et al. (2022). "Transient compartmentalization and accelerated volume growth coincide with the expected development of cortical afferents in the human neostriatum." *Cerebral Cortex*: bhac076. <https://doi.org/10.1093/cercor/bhac076>

Pollo, M. L. M., C. Gimenes, et al. (2022). "Male rats are more vulnerable to pentylenetetrazole-kindling model but females have more spatial memory-related deficits." *Epilepsy & Behavior* 129: 108632. <https://doi.org/10.1016/j.yebeh.2022.108632>

Wang, L., Y. Zhou, et al. (2022). "Long-term iTBS promotes neural structural and functional recovery by enhancing neurogenesis and migration via miR-551b-5p/BDNF/TrkB pathway in a rat model of cerebral ischemia-reperfusion injury." *Brain Research Bulletin*. <https://doi.org/10.1016/j.brainresbull.2022.03.002>

Xu, B., X. Zhang, et al. (2022). "The Impacts of Early-life Adversity on Striatal and Hippocampal Memory Functions." *Neuroscience*. <https://doi.org/10.1016/j.neuroscience.2022.02.029>

Cheney, K. L., J. Hudson, et al. (2022). "Seeing Picasso: an investigation into the visual system of the triggerfish, *Rhinecanthus aculeatus*." *Journal of Experimental Biology*. <https://doi.org/10.1242/jeb.243907>

Tao, W., J. Ruan, et al. (2022). "A natural carotenoid crocin exerts antidepressant action by promoting adult hippocampal neurogenesis through Wnt/ β -catenin signaling." *Journal of Advanced Research*. <https://doi.org/10.1016/j.jare.2022.02.015>

Matschke, L. A., M. A. Komadowski, et al. (2022). "Enhanced firing of locus coeruleus neurons and SK channel dysfunction are conserved in distinct models of prodromal Parkinson's disease." *Scientific Reports* 12(1): 3180. <https://doi.org/10.1038/s41598-022-06832-1>

Tapanes, S. A., D. Arizanovska, et al. (2022). "Inhibition of glial D-serine release rescues synaptic damage after brain injury." *Glia* n/a(n/a). <https://doi.org/10.1002/glia.24161>

Molinet-Dronda, F., J. Blesa, et al. (2022). "Cerebral metabolic pattern associated with progressive parkinsonism in non-human primates reveals early cortical hypometabolism." *Neurobiology of Disease* 167: 105669. <https://doi.org/10.1016/j.nbd.2022.105669>

Seong, K.-J., S. Choi, et al. (2022). "Toll-Like Receptor 5 Promotes the Neurogenesis from Embryonic Stem Cells and Adult Hippocampal Neural Stem Cells in Mice." *Stem Cells*: sxab025. 10.1093/stmcls/sxab025

Herian, M., A. Wojtas, et al. (2022). "Neurotoxicological profile of the hallucinogenic compound 25I-NBOMe." *Scientific Reports* 12(1): 2939. 10.1038/s41598-022-07069-8

Han, X., T. Xu, et al. (2022). "Neuronal NR4A1 deficiency drives complement-coordinated synaptic stripping by microglia in a mouse model of lupus." *Signal Transduction and Targeted Therapy* 7(1): 50. <https://doi.org/10.1038/s41392-021-00867-y>

Cheng, Y., B. Tang, et al. (2022). "Degraded cortical temporal processing in the valproic acid- induced rat model of autism." *Neuropharmacology* 209: 109000. <https://doi.org/10.1016/j.neuropharm.2022.109000>

Sterling, J. K., T.-I. Kam, et al. (2022). "Interleukin-6 triggers toxic neuronal iron sequestration in response to pathological α -synuclein." *Cell Reports* 38(7): 110358. <https://doi.org/10.1016/j.celrep.2022.110358>

Sloekers, J. C. T., A. Herrler, et al. (2022). "Nerve fiber density differences in the temporal dura mater: an explanation for headache after temporal lobectomy?, An anatomical study." *Journal of Chemical Neuroanatomy*: 102082. <https://doi.org/10.1016/j.jchemneu.2022.102082>

Spadory, T., A. Duque, et al. (2022). "Spatial-temporal topography in neurogenesis of the macaque thalamus." *Brain Structure and Function*. <https://doi.org/10.1007/s00429-022-02463-4>

Waung, M. W., K. A. Maanum, et al. (2022). "A diencephalic circuit in rats for opioid analgesia but not positive reinforcement." *Nature Communications* 13(1): 764. <https://doi.org/10.1038/s41467-022-28332-6>

Farrell, M. R., Q. Ye, et al. (2022). "Ventral pallidum GABA neurons bidirectionally control opioid relapse across rat behavioral models." *bioRxiv*: 2022.2002.2003.479042. <https://doi.org/10.1101/2022.02.03.479042>

Adams, C., P. Bazzigaluppi, et al. (2018). "Neurogliovascular dysfunction in a model of repeated traumatic brain injury." *Theranostics* 8(17): 4824-4836. 10.7150/thno.24747

Bankole, O., I. Scambi, et al. (2022). "Beneficial and Sexually Dimorphic Response to Combined HDAC Inhibitor Valproate and AMPK/SIRT1 Pathway Activator Resveratrol in the Treatment of ALS Mice." *International journal of molecular sciences* 23(3): 1047. 10.3390/ijms23031047

Carugati, M., C. R. Goodlett, et al. (2022). "The Effects of Gestational Choline Supplementation on Cerebellar Purkinje Cell Number In the Sheep Model of Binge Alcohol Exposure During the First Trimester-Equivalent." *Alcohol*. <https://doi.org/10.1016/j.alcohol.2022.01.002>

Ye, Z., A. Izadi, et al. (2022). "Combined Inhibition of Fyn and c-Src Protects Hippocampal Neurons and Improves Spatial Memory via ROCK after Traumatic Brain Injury." *Journal of Neurotrauma*. <https://doi.org/10.1089/neu.2021.0311>

Rogers, D. J., B. P. Bergeron, et al. (2022). "3D printed chamber for live cell imaging on an upright epifluorescence microscope." *Journal of Biological Education*: 1-7. <https://doi.org/10.1080/00219266.2022.2030389>

- Rurak, G. M., S. Simard, et al. (2022). "Sex differences in developmental patterns of neocortical astroglia: A mouse translome database." *Cell Reports* 38(5): 110310. <https://doi.org/10.1016/j.celrep.2022.110310>
- Celorio, M., K. Shumilov, et al. (2022). "Acute minocycline administration reduces brain injury and improves long-term functional outcomes after delayed hypoxemia following traumatic brain injury." *Acta Neuropathologica Communications* 10(1): 10. <https://doi.org/10.1186/s40478-022-01310-1>
- Hamity, M. V., S. J. Kolker, et al. (2022). "Nicotinamide Riboside Alleviates Corneal and Somatic Hypersensitivity Induced by Paclitaxel in Male Rats." *Investigative Ophthalmology & Visual Science* 63(1): 38-38. <https://doi.org/10.1167/iov.63.1.38>
- Liu, N., L. Bai, et al. (2022). "TRPV4 contributes to ER stress and inflammation: implications for Parkinson's disease." *Journal of Neuroinflammation* 19(1): 26. <https://doi.org/10.1186/s12974-022-02382-5>
- Modo, M., H. Ghuman, et al. (2022). "Mapping the acute time course of immune cell infiltration into an ECM hydrogel in a rat model of stroke using ¹⁹F MRI." *Biomaterials* 282: 121386. <https://doi.org/10.1016/j.biomaterials.2022.121386>
- Nieder, C., D. L. Rosene, et al. (2022). "Morphology and unbiased stereology of the lateral superior olive in the short-beaked common dolphin, *Delphinus delphis* (Cetacea, Delphinidae)." *Journal of Morphology* n/a(n/a). <https://doi.org/10.1002/jmor.21453>
- Purkart, L., J. M. Tuff, et al. (2022). "Trigeminal ganglion and sensory nerves suggest tactile specialization of elephants." *Current Biology*. <https://doi.org/10.1016/j.cub.2021.12.051>
- Bahceci, İ., L. Tumkaya, et al. (2022). "Inhibition of methotrexate induced toxicity in the adult rat spleen by adalimumab." *Drug and Chemical Toxicology*: 1-7. <https://doi.org/10.1080/01480545.2022.2029880>
- Bankole, O., I. Scambi, et al. (2022). "Beneficial and Sexually Dimorphic Response to Combined HDAC Inhibitor Valproate and AMPK/SIRT1 Pathway Activator Resveratrol in the Treatment of ALS Mice." *International Journal of Molecular Sciences* 23(3). <https://doi.org/10.3390/ijms23031047>
- Ruschkowski, B. A., Y. Esmail, et al. (2022). "Thrombospondin-1 Plays a Major Pathogenic Role in Experimental and Human Bronchopulmonary Dysplasia." *American Journal of Respiratory and Critical Care Medicine*. <https://doi.org/10.1164/rccm.202104-1021OC>
- Komninos, D., L. Ramos, et al. (2022). "High fat diet-induced obesity prolongs critical stages of the spermatogenic cycle in a *Ldlr*^{-/-}.Leiden mouse model." *Scientific Reports* 12(1): 430. <https://doi.org/10.1038/s41598-021-04069-y>
- Karikari, A. A., R. L. McFleder, et al. (2022). "Neurodegeneration by α -synuclein-specific T cells in AAV-A53T- α -synuclein Parkinson's disease mice." *Brain, Behavior, and Immunity* 101: 194-210. <https://doi.org/10.1016/j.bbi.2022.01.007>

Fernández-Pérez, A., A. Sanz-Magro, et al. (2022). "Restricting feeding to dark phase fails to entrain circadian activity and energy expenditure oscillations in Pitx3-mutant Aphakia mice." *Cell Reports* 38(2): 110241. <https://doi.org/10.1016/j.celrep.2021.110241>

Clark, A. T., E. E. Abrahamson, et al. (2022). "Chronic effects of blast injury on the microvasculature in a transgenic mouse model of Alzheimer's disease related A β amyloidosis." *Fluids and Barriers of the CNS* 19(1): 5. <https://doi.org/10.1186/s12987-021-00301-z>

Wegiel, J., M. Flory, et al. (2022). "Developmental deficits and staging of dynamics of age associated Alzheimer's disease neurodegeneration and neuronal loss in subjects with Down syndrome." *Acta Neuropathologica Communications* 10(1): 2. <https://doi.org/10.1186/s40478-021-01300-9>

Yanev, P., G. A. F. van Tilborg, et al. (2022). "Prolonged release of VEGF and Ang1 from intralesionally implanted hydrogel promotes perilesional vascularization and functional recovery after experimental ischemic stroke." *Journal of Cerebral Blood Flow & Metabolism*: 0271678X211069927. <https://doi.org/10.1177/0271678X211069927>

Luderer, U., J. Lim, et al. (2022). "Exposure to environmentally relevant concentrations of ambient fine particulate matter (PM_{2.5}) depletes the ovarian follicle reserve and causes sex- dependent cardiovascular changes in apolipoprotein E null mice." *Particle and Fibre Toxicology* 19(1): 5. <https://doi.org/10.1186/s12989-021-00445-8>

Bedolla, A., A. Taranov, et al. (2022). "Diphtheria toxin induced but not CSF1R inhibitor mediated microglia ablation model leads to the loss of CSF/ventricular spaces in vivo that is independent of cytokine upregulation." *Journal of Neuroinflammation* 19(1): 3. <https://doi.org/10.1186/s12974-021-02367-w>

Karampatsi, D., A. Zabala, et al. (2021). "Diet-induced weight loss in obese/diabetic mice normalizes glucose metabolism and promotes functional recovery after stroke." *Cardiovascular Diabetology* 20(1): 240. <https://doi.org/10.1186/s12933-021-01426-z>

Lorenzo, M. F., S. N. Campelo, et al. (2021). "An Investigation for Large Volume, Focal Blood- Brain Barrier Disruption with High-Frequency Pulsed Electric Fields." *Pharmaceuticals* 14(12). <https://doi.org/10.3390/ph14121333>

Mizuno, Y., N. Abolhassani, et al. (2021). "MUTYH Actively Contributes to Microglial Activation and Impaired Neurogenesis in the Pathogenesis of Alzheimer's Disease." *Oxidative Medicine and Cellular Longevity* 2021: 8635088. <https://doi.org/10.1155/2021/8635088>

Stazi, M., S. Lehmann, et al. (2021). "Long-term caffeine treatment of Alzheimer mouse models ameliorates behavioural deficits and neuron loss and promotes cellular and molecular markers of neurogenesis." *Cellular and Molecular Life Sciences*. <https://doi.org/10.1007/s00018-021-04062-8>

Gatica, R. I., M. Aguilar-Rivera, et al. (2022). "Susceptibility to express amphetamine locomotor sensitization correlates with dorsolateral striatum bursting activity and

GABAergic synapses in the globus pallidus." Brain Research Bulletin 179: 83-96. <https://doi.org/10.1016/j.brainresbull.2021.12.005>

Johnson, M. A., Z. Mehrabian, et al. (2021). "Anti-NOGO Antibody Neuroprotection in a Rat Model of NAION." Translational Vision Science & Technology 10(14): 12-12. <https://doi.org/10.1167/tvst.10.14.12>

Elamin, A. A. E., O. G. Deniz, et al. (2021). "The Effects of Gum arabic, Curcumin (Curcuma longa) and Garcinia kola on the Rat Hippocampus after Electromagnetic Field Exposure: A Stereological and Histological Study." Journal of Chemical Neuroanatomy: 102060. <https://doi.org/10.1016/j.jchemneu.2021.102060>

Roshani, M., N. Kiaie, et al. (2021). "Biomaterials and stem cells as drug/gene-delivery vehicles for Parkinson's treatment: an update." Regenerative Medicine 16(12): 1057- 1072. <https://doi.org/10.2217/rme-2021-0050>

Arinrad, S., J. B. H. Wilke, et al. (2021). "NMDAR1 autoantibodies amplify behavioral phenotypes of genetic white matter inflammation: a mild encephalitis model with neuropsychiatric relevance." Molecular Psychiatry. <https://doi.org/10.1038/s41380-021- 01392-8>

(2021). "ACNP 60th Annual Meeting: Panels, Mini-Panels and Study Groups." Neuropsychopharmacology 46(1): 1-71. <https://doi.org/10.1038/s41386-021-01235-8>

Novello, S., D. Mercatelli, et al. (2022). "In vivo susceptibility to energy failure parkinsonism and LRRK2 kinase activity." Neurobiology of Disease 162: 105579. <https://doi.org/10.1016/j.nbd.2021.105579>

Mizuno, Y., N. Abolhassani, et al. (2021). "Deficiency of MTH1 and/or OGG1 increases the accumulation of 8-oxoguanine in the brain of the AppNL-G-F/NL-G-F knock-in mouse model of Alzheimer's disease, accompanied by accelerated microgliosis and reduced anxiety-like behavior." Neuroscience Research. <https://doi.org/10.1016/j.neures.2021.11.009>

Thibodeau, A., T. Galbraith, et al. (2022). "Repair of peripheral nerve injuries using a prevascularized cell-based tissue-engineered nerve conduit." Biomaterials 280: 121269. <https://doi.org/10.1016/j.biomaterials.2021.121269>

Macdonald, J. A., J. L. Chen, et al. (2021). "Assembly of α -synuclein and neurodegeneration in the central nervous system of heterozygous M83 mice following the peripheral administration of α -synuclein seeds." Acta Neuropathologica Communications 9(1): 189. <https://doi.org/10.1186/s40478-021-01291-7>

Liu, J., J. Jiang, et al. (2021). "Urolithin A protects dopaminergic neurons in experimental models of Parkinson's disease by promoting mitochondrial biogenesis through SIRT1/PGC- 1 α signaling pathway." Food & Function. DOI <https://doi.org/10.1039/D1FO02534A>

Yaguchi, A., M. Oshikawa, et al. (2021). "Efficient protein incorporation and release by a jigsaw-shaped self-assembling peptide hydrogel for injured brain regeneration." Nature Communications 12(1): 6623. <https://doi.org/10.1038/s41467-021-26896-3>

- Machhi, J., P. Yeapuri, et al. (2021). "CD4⁺ effector T cells accelerate Alzheimer's disease in mice." *Journal of Neuroinflammation* 18(1): 272.
<https://doi.org/10.1186/s12974-021-02308-7>
- Bakrania, P., G. Hall, et al. (2021). "Discovery of a novel pseudo β -hairpin structure of N- truncated amyloid- β for use as a vaccine against Alzheimer's disease." *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-021-01385-7>
- Rieskamp, J., P. Sarchet, et al. (2022). "Estimation of the density of neural, glial, and endothelial lineage cells in the adult mouse dentate gyrus." *Neural Regeneration Research* 17(6): 1286-1292. DOI: 10.4103/1673-5374.327354
- Sawa, M., C. Overk, et al. (2021). "Impact of increased APP gene dose in Down syndrome and the Dp16 mouse model." *Alzheimer's & Dementia* n/a(n/a). <https://doi.org/10.1002/alz.12463>
- Chen, K. S., K. Menezes, et al. (2021). "Small molecule inhibitors of α -synuclein oligomers identified by targeting early dopamine-mediated motor impairment in *C. elegans*." *Molecular Neurodegeneration* 16(1): 77. <https://doi.org/10.1186/s13024-021-00497-6>
- Pradhan, L. K., P. K. Sahoo, et al. (2021). "Temporal exposure to chronic unpredictable stress induces precocious neurobehavioral deficits by distorting neuromorphology and glutathione biosynthesis in zebrafish brain." *Behavioural Brain Research*: 113672. <https://doi.org/10.1016/j.bbr.2021.113672>
- González-Rodríguez, P., E. Zampese, et al. (2021). "Disruption of mitochondrial complex I induces progressive parkinsonism." *Nature*. <https://doi.org/10.1038/s41586-021-04059-0>
- Bido, S., S. Muggeo, et al. (2021). "Microglia-specific overexpression of α -synuclein leads to severe dopaminergic neurodegeneration by phagocytic exhaustion and oxidative toxicity." *Nature Communications* 12(1): 6237. <https://doi.org/10.1038/s41467-021-26519-x>
- Lionarons, J. M., G. Hoogland, et al. (2021). "Dystrophin in the Neonatal and Adult Rat Intestine." *Life* 11(11). <https://doi.org/10.3390/life11111155>
- Nelson, M. M., J. D. Hoff, et al. (2021). "Poly (ADP-Ribose) Polymerase 1 Regulates Cajal-Retzius Cell Development and Neural Precursor Cell Adhesion." *Frontiers in cell and developmental biology* 9: 693595-693595. doi: 10.3389/fcell.2021.693595
- Son, G., H. W. M. Steinbusch, et al. (2021). "Severe histomorphological alterations in post-mortem olfactory glomeruli in Alzheimer's disease." *Brain Pathology* n/a(n/a): e13033. <https://doi.org/10.1111/bpa.13033>
- Tian, Y., K. A. Fopiano, et al. (2021). "Aging-induced impaired endothelial wall shear stress mechanosensing causes arterial remodeling via JAM-A/F11R shedding by ADAM17." *GeroScience*. <https://doi.org/10.1007/s11357-021-00476-1>
- Aydin, S., Z. G. Yazici, et al. (2021). "An overview of the behavioral, neurobiological and morphological effects of topiramate in rats exposed to chronic unpredictable mild stress."

European Journal of Pharmacology 912:

174578. <https://doi.org/10.1016/j.ejphar.2021.174578>

Siddiqui, A. M., R. Islam, et al. (2021). "Newly regenerated axons via scaffolds promote sub-lesional reorganization and motor recovery with epidural electrical stimulation." *npj Regenerative Medicine* 6(1): 66. <https://doi.org/10.1038/s41536-021-00176-6>

Fougère, M., C. I. van der Zouwen, et al. (2021). "Optogenetic stimulation of glutamatergic neurons in the cuneiform nucleus controls locomotion in a mouse model of Parkinson's disease." *Proceedings of the National Academy of Sciences* 118(43):

e2110934118. <https://doi.org/10.1073/pnas.2110934118>

Seo, B. A., D. Kim, et al. (2021). "TRIP12 ubiquitination of glucocerebrosidase contributes to neurodegeneration in Parkinson's disease."

Neuron. <https://doi.org/10.1016/j.neuron.2021.09.031>

Sun, L., W.-W. Jiang, et al. (2021). "Phosphorylated α -synuclein aggregated in Schwann cells exacerbates peripheral neuroinflammation and nerve dysfunction in Parkinson's disease through TLR2/NF- κ B pathway." *Cell Death Discovery* 7(1):

289. <https://doi.org/10.1038/s41420-021-00676-w>

Cai, H.-Y., X.-X. Fu, et al. (2021). "Adjusting vascular permeability, leukocyte infiltration, and microglial cell activation to rescue dopaminergic neurons in rodent models of Parkinson's disease." *npj Parkinson's Disease* 7(1): 91. <https://doi.org/10.1038/s41531-021-00233-3>

Morecraft, R. J., K. S. Stilwell-Morecraft, et al. (2021). "Lack of somatotopy among corticospinal tract fibers passing through the primate craniovertebral junction and cervical spinal cord: pathoanatomical substrate of central cord syndrome and cruciate paralysis." *Journal of Neurosurgery*: 1-15. <https://doi.org/10.3171/2021.4.JNS202464>

Schmiedl, A., I. Wagener, et al. (2021). "Lung development and immune status under chronic LPS exposure in rat pups with and without CD26/DPP4 deficiency." *Cell and Tissue Research*. <https://doi.org/10.1007/s00441-021-03522-8>

Kim, H., J.-Y. Shin, et al. (2021). "Parkin interacting substrate phosphorylation by c-Abl drives dopaminergic neurodegeneration." *Brain*(awab356). <https://doi.org/10.1093/brain/awab356>

Hescham, S.-A., P.-H. Chiang, et al. (2021). "Magnetothermal nanoparticle technology alleviates parkinsonian-like symptoms in mice." *Nature Communications* 12(1):

5569. <https://doi.org/10.1038/s41467-021-25837-4>

Vera-Otarola, J., E. Castillo-Vargas, et al. (2021). "The viral nucleocapsid protein and the human RNA-binding protein Mex3A promote translation of the Andes orthohantavirus small mRNA." *PLOS Pathogens* 17(9): e1009931.

<https://doi.org/10.1371/journal.ppat.1009931>

Tolve, M., A. Ulusoy, et al. (2021). "The transcription factor BCL11A defines distinct subsets of midbrain dopaminergic neurons." *Cell Reports* 36(11):

109697. <https://www.sciencedirect.com/science/article/pii/S221112472101144X>

Shukla, J. J., N. Stefanova, et al. (2021). "Therapeutic potential of iron modulating drugs in a mouse model of multiple system atrophy." *Neurobiology of Disease*: 105509. <https://www.sciencedirect.com/science/article/pii/S0969996121002588>

Masilamoni, G. J., A. Weinkle, et al. (2021). "Cortical Serotonergic and Catecholaminergic Denervation in MPTP-Treated Parkinsonian Monkeys." *Cerebral Cortex*(bhab313). <https://doi.org/10.1093/cercor/bhab313>

Powell, K. L., Z. Liu, et al. "Altered cardiac structure and function is related to seizure frequency in a rat model of chronic acquired temporal lobe epilepsy." *Neurobiology of Disease*: 105505. <https://doi.org/10.1016/j.nbd.2021.105505>

Yeh, T.-H., H.-F. Liu, et al. "PLA2G6 mutations cause motor dysfunction phenotypes of young-onset dystoniaâ€"parkinsonism type 14 and can be relieved by DHA treatment in animal models." *Experimental Neurology* 346: 113863. <https://doi.org/10.1016/j.expneurol.2021.113863>

ACNP 59th Annual Meeting: Poster Session III. (2020). *Neuropsychopharmacology*, 45(1), 278-382. doi: 10.1038/s41386-020-00892-5. <https://doi.org/10.1038/s41386-020-00892-5>

a Dzaye, O. D., Hu, F., Derkow, K., Haage, V., Euskirchen, P., Harms, C., . . . Kettenmann, H. (2018). Glioma Stem Cells but Not Bulk Glioma Cells Upregulate IL-6 Secretion in Microglia/Brain Macrophages via Toll-like Receptor 4 Signaling. [10.1093/jnen/nlw016]. *Journal of Neuropathology and Experimental Neurology*. doi: <http://jnen.oxfordjournals.org/content/early/2016/03/28/jnen.nlw016.abst...>

A.M. Willetts, J. B., M. Gatherer, N.J. Albargothy, A. Verma, R.O. Weller, R.O. Carare, C.A. Hawkes. (2019). Pathways for flow of solutes along walls of cerebral arteries are maintained even in the presence of cerebral amyloid angiopathy. *Neuropathology and Applied Neurobiology*, 45(S1), 12-28. doi: 10.1111/nan.12545. <https://onlinelibrary.wiley.com/doi/abs/10.1111/nan.12545>

Abdelkarim, H., Marshall, M. S., Scesa, G., Smith, R. A., Rue, E., Marshall, J., . . . Bongarzone, E. R. (2018). α -Synuclein interacts directly but reversibly with psychosine: implications for α -synucleinopathies. *Scientific Reports*, 8(1), 12462. doi: 10.1038/s41598-018-30808-9. <https://doi.org/10.1038/s41598-018-30808-9>

Abdel-Rahman, M., Galhom, R. A., Nasr El-Din, W. A., Mohammed Ali, M. H., & Abdel-Hamid, A. E.-D. S. (2018). Therapeutic efficacy of olfactory stem cells in rotenone induced Parkinsonism in adult male albino rats. *Biomedicine and Pharmacotherapy*, 103, 1178-1186. doi: <https://doi.org/10.1016/j.biopha.2018.04.160>. <https://www.sciencedirect.com/science/article/pii/S0753332217354240>

Abdul-Wahab, R., Long, M. T., Ordaz, R., Lyeth, B. G., & Pfister, B. J. (2020). Outcome measures from experimental traumatic brain injury in male rats vary with the complete temporal biomechanical profile of the injury event. *Journal of Neuroscience Research*, n/a(n/a). doi: 10.1002/jnr.24670. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jnr.24670>

Abdurakhmanova, S., Chary, K., Kettunen, M., Sierra, A., & Panula, P. (2018). Behavioral and stereological characterization of Hdc KO mice: relation to Tourette syndrome. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24279. <http://dx.doi.org/10.1002/cne.24279>

Abe, C., Inoue, T., Inglis, M. A., Viar, K. E., Huang, L., Ye, H., . . . Guyenet, P. G. (2018). C1 neurons mediate a stress-induced anti-inflammatory reflex in mice. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4526

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4526.html#suppl>
<http://dx.doi.org/10.1038/nn.4526>

Abel, T. W., & Rance, N. E. (2018). Proopiomelanocortin gene expression is decreased in the infundibular nucleus of postmenopausal women. *Molecular Brain Research*, 69(2), 202-208. doi.

Abel, T. W., & Rance, N. E. (2018). Stereologic study of the hypothalamic infundibular nucleus in young and older women. *Journal of Comparative Neurology*, 424(4), 679-688. doi.

Abeyasinghe, H. S., Bokhari, L., Quigley, A., Choolani, M., Chan, J., Disting, G., ... Roulston, C. (2018). Pre-differentiation of human neural stem cells into GABAergic neurons prior to transplant results in greater repopulation of the damaged brain and accelerates functional recovery after transient ischemic stroke. *Stem Cell Research & Therapy*, 6(1), 1-19. doi: 10.1186/s13287-015-0175-1. <http://dx.doi.org/10.1186/s13287-015-0175-1>

Abhijit, S., Tripathi, S. J., Bhagya, V., Shankaranarayana Rao, B. S., Subramanyam, M. V., & Asha Devi, S. (2018). Antioxidant action of grape seed polyphenols and aerobic exercise in improving neuronal number in the hippocampus is associated with decrease in lipid peroxidation and hydrogen peroxide in adult and middle-aged rats. *Experimental Gerontology*, 101(Supplement C), 101-112. doi: <https://doi.org/10.1016/j.exger.2017.11.012>.
<http://www.sciencedirect.com/science/article/pii/S0531556517305703>

Abhijit, S., Tripathi, S. J., Shankaranarayana Rao, B. S., & Asha Devi, S. (2019). Grape seed proanthocyanidin extract and swimming training enhances neuronal number in dorso-medial prefrontal cortex in middle-aged male rats by alleviating oxidative stress. *Journal of Functional Foods*, 103693. doi: <https://doi.org/10.1016/j.jff.2019.103693>.
<http://www.sciencedirect.com/science/article/pii/S1756464619306176>

Abisambra, J. F., Blair, L. J., Hill, S. E., Jones, J. R., Kraft, C., Rogers, J., ... Dickey, C. A. (2018). Phosphorylation Dynamics Regulate Hsp27-Mediated Rescue of Neuronal Plasticity Deficits in Tau Transgenic Mice. *Journal of Neuroscience*, 30(46), 15374-15382. doi: 10.1523/jneurosci.3155-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/46/15374>

Abordo-Adesida, E., Follenzi, A., Barcia, C., Sciascia, S., Castro, M. G., Naldini, L., & Lowenstein, P. R. (2018). Stability of lentiviral vector-mediated transgene expression in the

brain in the presence of systemic antivector immune responses. *Human Gene Therapy*, 16(6), 741-751. doi.

Abraham, K., German, K., Charles, G., Joshua, S., Junghyo, J., Vipul, P., . . . Manami, H. (2018). Computer-assisted large-scale visualization and quantification of pancreatic islet mass, size distribution and architecture. *Journal of Visualized Experiments*, (49). doi.

Abraham, K., German, K., & Manami, H. (2018). In situ Quantification of Pancreatic Beta-cell Mass in Mice. *Journal of Visualized Experiments*, (40). doi.

Abraham, K., German, K., & Manami, H. (2018). Quantificação situ da Massa das células beta pancreáticas em camundongos. *Journal of Visualized Experiments*, (1). doi.

Abreu, C. C., Fernandes, T. N., Henrique, E. P., Pereira, P. D. C., Marques, S. B., Herdeiro, S. L. S., . . . Picanço-Diniz, C. W. (2019). Small-scale environmental enrichment and exercise enhance learning and spatial memory of *Carassius auratus*, and increase cell proliferation in the telencephalon: an exploratory study. *Brazilian Journal of Medical and Biological Research*, 52. doi.
http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0100-879X2019000...

Abuelhija, M., Weng, C. C., Shetty, G., & Meistrich, M. L. (2018). Differences in Radiation Sensitivity of Recovery of Spermatogenesis between Rat Strains. *Toxicological Sciences*. doi.

Abuelhija, M., Weng, C. C., Shetty, G., & Meistrich, M. L. (2018). Rat models of post-irradiation recovery of spermatogenesis: interstrain differences. *Andrology*, n/a-n/a. doi: 10.1111/j.2047-2927.2012.00034.x. <http://dx.doi.org/10.1111/j.2047-2927.2012.00034.x>

Acabchuk, R., Briggs, D. I., Angoa-Pérez, M., Powers, M., Wolferz, R., Soloway, M., . . . Conover, J. C. (2018). Repeated mild traumatic brain injury causes focal response in lateral septum and hippocampus. *Concussion*. doi: 10.2217/cnc-2015-0001.
<http://dx.doi.org/10.2217/cnc-2015-0001>

Acabchuk, R. L., Sun, Y., Wolferz, J. R., Eastman, M. B., Lennington, J. B., Shook, B. A., . . . Conover, J. C. (2018). 3D Modeling of the Lateral Ventricles and Histological Characterization of Periventricular Tissue in Humans and Mouse. *JoVE*, (99), e52328. doi:10.3791/52328. <http://www.jove.com/video/52328>

Acharya, M. M., Christie, L.-A., Lan, M. L., Giedzinski, E., Fike, J. R., Rosi, S., & Limoli, C. L. (2018). Human Neural Stem Cell Transplantation Ameliorates Radiation-Induced Cognitive Dysfunction. *Cancer Research*, 71(14), 4834-4845. doi: 10.1158/0008-5472.can-11-0027. <http://cancerres.aacrjournals.org/content/71/14/4834.abstract>

Acker, S. N., Mandell, E. W., Sims-Lucas, S., Gien, J., Abman, S. H., & Galambos, C. (2018). Histologic Identification of Prominent Intrapulmonary Anastomotic Vessels in Severe Congenital Diaphragmatic Hernia. *The Journal of Pediatrics*, (0). doi: <http://dx.doi.org/10.1016/j.jpeds.2014.09.010>.
<http://www.sciencedirect.com/science/article/pii/S0022347614008245>

Acosta, S., Jernberg, J., Sanberg, C. D., Sanberg, P. R., Small, B. J., Gemma, C., & Bickford, P. C. (2018). NT-020, a natural therapeutic approach to optimize spatial memory performance and increase neural progenitor cell proliferation and decrease inflammation in the aged rat.

Rejuvenation research, 13(5), 581-588. doi.

Acosta, S. A., Diamond, D. M., Wolfe, S., Tajiri, N., Shinozuka, K., Ishikawa, H., . . . Borlongan, C. V. (2018). Influence of Post-Traumatic Stress Disorder on Neuroinflammation and Cell Proliferation in a Rat Model of Traumatic Brain Injury. Plos one, 8(12), e81585. doi: 10.1371/journal.pone.0081585. <http://dx.doi.org/10.1371%2Fjournal.pone.0081585>

Acosta, S. A., Tajiri, N., de la Pena, I., Bastawrous, M., Sanberg, P. R., Kaneko, Y., & Borlongan, C. V. (2018). Alpha-synuclein as a Pathological Link between Chronic Traumatic Brain Injury and Parkinson's disease. Journal of Cellular Physiology, n/a-n/a. doi:

10.1002/jcp.24830. <http://dx.doi.org/10.1002/jcp.24830>

Acosta, S. A., Tajiri, N., Sanberg, P. R., Kaneko, Y., & Borlongan, C. V. (2018). Increased Amyloid Precursor Protein and Tau Expression Manifests as Key Secondary Cell Death in Chronic Traumatic Brain Injury. Journal of Cellular Physiology, n/a-n/a. doi:

10.1002/jcp.25629. <http://dx.doi.org/10.1002/jcp.25629>

Acosta, S. A., Tajiri, N., Shinozuka, K., Ishikawa, H., Grimmig, B., Diamond, D., . . . Borlongan, C. V. (2018). Long-Term Upregulation of Inflammation and Suppression of Cell Proliferation in the Brain of Adult Rats Exposed to Traumatic Brain Injury Using the Controlled Cortical Impact Model. Plos one, 8(1), e53376. doi:

10.1371/journal.pone.0053376. <http://dx.doi.org/10.1371%2Fjournal.pone.0053376>

Acosta, S. A., Tajiri, N., Shinozuka, K., Ishikawa, H., Sanberg, P. R., Sanchez-Ramos, J., . . . Borlongan, C. V. (2018). Combination Therapy of Human Umbilical Cord Blood Cells and Granulocyte Colony Stimulating Factor Reduces Histopathological and Motor Impairments in an Experimental Model of Chronic Traumatic Brain Injury. Plos one, 9(3), e90953. doi: 10.1371/journal.pone.0090953.

<http://dx.doi.org/10.1371%2Fjournal.pone.0090953>

Adamcio, B., Sargin, D., Stradomska, A., Medrihan, L., Gertler, C., Theis, F., . . . Ehrenreich, H. (2018). Erythropoietin enhances hippocampal long-term potentiation and memory. BMC Biology, 6(37). doi.

Adamec, R. E., Blundell, J., & Burton, P. (2018). Phosphorylated cyclic AMP response element binding protein expression induced in the periaqueductal gray by predator stress: its relationship to the stress experience, behavior and limbic neural plasticity. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 27(8), 1243-1267. doi.

Adamec, R. E., Blundell, J., & Burton, P. (2018). Relationship of the predatory attack experience to neural plasticity, pCREB expression and neuroendocrine response. Neuroscience and Biobehavioral Reviews, 30(3), 356-375. doi.

Adams, M. M., Donohue, H. S., Linville, M. C., Iversen, E. A., Newton, I. G., & Brunso-Bechtold, J. K. (2018). Age-related synapse loss in hippocampal CA3 is not reversed by caloric restriction. Neuroscience, 171(2), 373-382. doi.

Adar, E., Nottebohm, F., & Barnea, A. (2018). The Relationship between Nature of Social Change, Age, and Position of New Neurons and Their Survival in Adult Zebra Finch Brain. *Journal of Neuroscience*, 28(20), 5394-5400. doi: 10.1523/jneurosci.5706-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/20/5394>

Adlaf, E. W., Vaden, R. J., Niver, A. J., Manuel, A. F., Onyilo, V. C., Araujo, M. T., . . . Overstreet-Wadiche, L. (2018). Adult-born neurons modify excitatory synaptic transmission to existing neurons. *JOURN. eLife*, 6, e19886. doi: 10.7554/eLife.19886. <https://dx.doi.org/10.7554/eLife.19886>

Adlard, P. A., Sedjahtera, A., Gunawan, L., Bray, L., Hare, D., Lear, J., . . . Cherny, R. A. (2018). A Novel Approach To Rapidly Prevent Age-Related Cognitive Decline. *Aging cell*, n/a-n/a. doi: 10.1111/acer.12178. <http://dx.doi.org/10.1111/acer.12178>

Aelvoet, S.-A., Ibrahimi, A., Macchi, F., Gijsbers, R., Van den Haute, C., Debyser, Z., & Baekelandt, V. (2018). Noninvasive Bioluminescence Imaging of α -Synuclein Oligomerization in Mouse Brain Using Split Firefly Luciferase Reporters. *The Journal of Neuroscience*, 34(49), 16518-16532. doi: <http://www.jneurosci.org/content/34/49/16518.short>

af Bjerkén, S., Stenmark Persson, R., Barkander, A., Karalija, N., Pelegrina-Hidalgo, N., Gerhardt, G. A., . . . Strömberg, I. (2019). Noradrenaline is crucial for the substantia nigra dopaminergic cell maintenance. *Neurochemistry International*, 131, 104551. doi: <https://doi.org/10.1016/j.neuint.2019.104551>. <http://www.sciencedirect.com/science/article/pii/S0197018619303420>

af Bjerkén, S., Stenmark Persson, R., Barkander, A., Karalija, N., Pelegrina-Hidalgo, N., Gerhardt, G. A., . . . Strömberg, I. (2019). Noradrenaline is crucial for the substantia nigra dopaminergic cell maintenance. *Neurochemistry International*, 131, 104551. doi: <https://doi.org/10.1016/j.neuint.2019.104551>. <http://www.sciencedirect.com/science/article/pii/S0197018619303420>

Agarwal, A. K., & Garg, A. (2018). Congenital generalized lipodystrophy: significance of triglyceride biosynthetic pathways. *Trends Endocrinol Metab*, 14. doi: 10.1016/s1043-2760(03)00078-x. [http://dx.doi.org/10.1016/S1043-2760\(03\)00078-X](http://dx.doi.org/10.1016/S1043-2760(03)00078-X)

Agashiwala, R. M., Louis, E. D., Hof, P. R., & Perl, D. P. (2018). A novel approach to non-biased systematic random sampling: A stereologic estimate of Purkinje cells in the human cerebellum. *Brain Research*, 1236, 73-78. doi:

Agassandian, K., Patel, M., Agassandian, M., Steren, K. E., Rahmouni, K., Sheffield, V. C., & Card, J. P. (2018). Ciliopathy Is Differentially Distributed in the Brain of a Bardet-Biedl Syndrome Mouse Model. *Plos one*, 9(4), e93484. doi: 10.1371/journal.pone.0093484. <http://dx.doi.org/10.1371%2Fjournal.pone.0093484>

Aghoghovwia, B. E., Goddard, L., & Oorschot, D. E. (2019). Long-Term Fine Motor Capability on the Staircase Test Correlates with the Absolute Number, but Not the Density, of DARPP- Positive Neurons in the Caudate-Putamen. *The Anatomical Record*, o(ja). doi: 10.1002/ar.24196. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ar.24196>

Aghoghovwia, B. E., & Oorschot, D. E. (2018). Absolute number of parvicellular and magnocellular neurons in the red nucleus of the rat midbrain: a stereological study. *Journal of Anatomy*, n/a-n/a. doi: 10.1111/joa.12495.
<http://dx.doi.org/10.1111/joa.12495>

Agrimi, J., Spalletti, C., Baroni, C., Keceli, G., Zhu, G., Caragnano, A., . . . Lionetti, V. (2019). Obese mice exposed to psychosocial stress display cardiac and hippocampal dysfunction associated with local brain-derived neurotrophic factor depletion. *EBioMedicine*.
doi: <https://doi.org/10.1016/j.ebiom.2019.08.042>.
<http://www.sciencedirect.com/science/article/pii/S2352396419305651>

Agster, K. L., Mejias-Aponte, C. A., Clark, B. D., & Waterhouse, B. D. (2018). Evidence for a regional specificity in the density and distribution of noradrenergic varicosities in rat cortex. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23270. <http://dx.doi.org/10.1002/cne.23270>

Aguilar-Arredondo, A., & Zepeda, A. (2018). Memory retrieval-induced activation of adult-born neurons generated in response to damage to the dentate gyrus. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1664-7.
<https://doi.org/10.1007/s00429-018-1664-7>

Aguilar-Valles, A., Haji, N., De Gregorio, D., Matta-Camacho, E., Eslamizade, M. J., Popic, J., . . . Sonenberg, N. (2018). Translational control of depression-like behavior via phosphorylation of eukaryotic translation initiation factor 4E. *Nature Communications*, 9(1), 2459. doi: 10.1038/s41467-018-04883-5. <https://doi.org/10.1038/s41467-018-04883-5>

Aguilar-Valles, A., Jung, S., Poole, S., Flores, C., & Luheshi, G. N. (2018). Leptin and interleukin-6 alter the function of mesolimbic dopamine neurons in a rodent model of prenatal inflammation. *Psychoneuroendocrinology*. doi.

Ahad, M., Fogerson, P. M., Rosen, G., Narayanaswami, P., & Rutkove, S. B. (2018). Electrical characteristics of rat skeletal muscle in immaturity, adulthood, and after sciatic nerve injury and their relation to muscle fiber size. *Physiological Measurement*, 30(12), 1415-1415. doi.

Ahad, M. A., Narayanaswami, P., Kasselmann, L. J., & Rutkove, S. B. (2018). The effect of subacute denervation on the electrical anisotropy of skeletal muscle: Implications for clinical diagnostic testing. *Clinical Neurophysiology*, 121(6), 882-886. doi.

Ahmadian, S. S., Rezvanian, A., Peterson, M., Weintraub, S., Bigio, E. H., Mesulam, M. M., & Geula, C. (2018). Loss of Calbindin-D28K is Associated with the Full Range of Tangle Pathology within Basal Forebrain Cholinergic Neurons in Alzheimer's Disease. *Neurobiology of Aging*.
doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.09.001>.
<http://www.sciencedirect.com/science/article/pii/S0197458015004467>

Ahmed, I., Liang, Y., Schools, S., Dawson, V. L., Dawson, T. M., & Savitt, J. M. (2018). Development and Characterization of a New Parkinson's Disease Model Resulting from Impaired Autophagy. *Journal of Neuroscience*, 32(46), 16503-16509. doi: 10.1523/jneurosci.0209-12.2012.
<http://www.jneurosci.org/content/32/46/16503.abstract>

Ahn, E. H., Kang, S. S., Liu, X., Chen, G., Zhang, Z., Chandrasekharan, B., . . . Ye, K. (2019). Initiation of Parkinson's disease from gut to brain by δ -secretase. *Cell Research*. doi: 10.1038/s41422-019-0241-9. <https://doi.org/10.1038/s41422-019-0241-9>

Ahn, S. K., Hong, S., Park, Y. M., Choi, J. Y., Lee, W. T., Park, K. A., & Lee, J. E. (2018). Protective effects of agmatine on lipopolysaccharide-injured microglia and inducible nitric oxide synthase activity. *Life Sciences*, (0). doi: 10.1016/j.lfs.2012.10.010. http://www.sciencedirect.com/science/article/pii/S00243205120_06133

Ahn, S. K., Hong, S., Park, Y. M., Lee, W. T., Park, K. A., & Lee, J. E. (2018). Effects of agmatine on hypoxic microglia and activity of nitric oxide synthase. *Brain Research*, 1373, 48-54. doi.

Ahuja, M., Kaidery, N. A., Yang, L., Calingasan, N., Smirnova, N., Gaisin, A., . . . Kaddour-Djebbar, I. (2018). Distinct Nrf2 Signaling Mechanisms of Fumaric Acid Esters and Their Role in Neuroprotection against 1-Methyl-4-Phenyl-1, 2, 3, 6-Tetrahydropyridine-Induced Experimental Parkinson's-Like Disease. *The Journal of Neuroscience*, 36(23), 6332-6351. doi. <http://www.jneurosci.org/content/36/23/6332.short>

Aimé, P., Karuppagounder, S. S., Rao, A., Chen, Y., Burke, R. E., Ratan, R. R., & Greene, L. A. (2020). The drug adaptaquin blocks ATF4/CHOP-dependent pro-death Trib3 induction and protects in cellular and mouse models of Parkinson's disease. *Neurobiology of Disease*, 136, 104725. doi: <https://doi.org/10.1016/j.nbd.2019.104725>. <http://www.sciencedirect.com/science/article/pii/S0969996119304000>

Aisen, P. S. (2018). The potential of anti-inflammatory drugs for the treatment of Alzheimer's disease. *Lancet Neurol*, 1. doi: 10.1016/s1474-4422(02)00133-3. [http://dx.doi.org/10.1016/S1474-4422\(02\)00133-3](http://dx.doi.org/10.1016/S1474-4422(02)00133-3)

Ait-Ali, D., Almeida-Suhett, C. P., Li, Z., Marini, A. M., Braga, M. F., & Eiden, L. E. (2018). Temporal course of changes in gene expression suggests a cytokine-related mechanism for long-term hippocampal alteration after controlled cortical impact. *Journal of Neurotrauma*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3029>

Aitken, P., Zheng, Y., & Smith, P. F. (2018). Effects of bilateral vestibular deafferentation in rat on hippocampal theta response to somatosensory stimulation, acetylcholine release, and cholinergic neurons in the pedunculopontine tegmental nucleus. [journal article]. *Brain Structure and Function*, 1-14. doi: 10.1007/s00429-017-1407-1. <http://dx.doi.org/10.1007/s00429-017-1407-1>

Ajjola, O. A., Hoover, D. B., Simerly, T. M., Brown, T. C., Yanagawa, J., Biniwale, R. M., . . . Shivkumar, K. (2018). Inflammation, oxidative stress, and glial cell activation characterize stellate ganglia from humans with electrical storm. *JCI Insight*, 2(18). doi: 10.1172/jci.insight.94715. <https://doi.org/10.1172/jci.insight.94715>

Ajioka, I., Jinnou, H., Okada, K., Sawada, M., Saitoh, S., & Sawamoto, K. (2018). Enhancement of Neuroblast Migration into the Injured Cerebral Cortex using Laminin-containing Porous

Sponge. Tissue Engineering, (ja).

doi: <http://online.liebertpub.com/doi/abs/10.1089/ten.TEA.2014.0080>

Akar, A., Karayıgıt, M. Ö., Bolat, D., Gültiken, M. E., Yarım, M., & Castellani, G. (2018). Effects of low level electromagnetic field exposure at 2.45 GHz on rat cornea. International Journal of Radiation Biology, 0(ja), 1-17. doi: doi:10.3109/09553002.2013.754557.

<http://informahealthcare.com/doi/abs/10.3109/09553002.2013.754557>

Akaras, N., Bal, T., Atilay, H., Selli, J., & Halici, M. B. (2018). Protective effects of agomelatine on testicular damage caused by bortezomib. Biotechnic and Histochemistry, 1-8. doi: 10.1080/10520295.2017.1350748.

<https://doi.org/10.1080/10520295.2017.1350748>

Akca, G., Eren, H., Tumkaya, L., Mercantepe, T., Horsanali, M. O., Deveci, E., . . . Yilmaz, A. (2018). The protective effect of astaxanthin against cisplatin-induced nephrotoxicity in rats. Biomedicine and Pharmacotherapy, 100, 575-582.

doi: <https://doi.org/10.1016/j.biopha.2018.02.042>. <http://www.sciencedirect.com/science/article/pii/S0753332218300088>

Akers, K. G., Kushner, S. A., Leslie, A. T., Clarke, L., van der Kooy, D., Lerch, J. P., & Frankland, P. W. (2018). Fetal alcohol exposure leads to abnormal olfactory bulb development and impaired odor discrimination in adult mice. Depression, 5, 9-9. doi.

Akers, K. G., Martinez-Canabal, A., Restivo, L., Yiu, A. P., De Cristofaro, A., Hsiang, H.-L. L., . . . Shoji, H. (2018). Hippocampal Neurogenesis Regulates Forgetting During Adulthood and Infancy. Science, 344(6184), 598-602.

doi: <http://www.sciencemag.org/content/344/6184/598.short>

Akgun, M., Kantarci, M., Cayir, K., Bayraktutan, U., Doganay, S., Araz, O., . . . Gorguner, M. (2018). Stereological Evaluation of Tumor Regression Rates in Lung Cancer Using CT Via the Cavalieri Method. Eurasian Journal of Medicine, 40(3), 109-114. doi.

Akhavan, M. M., Emami-Abarghoie, M., Safari, M., Sadighi-Moghaddam, B., Vafaei, A. A., Bandegi, A. R., & Rashidy-Pour, A. (2018). Serotonergic and noradrenergic lesions suppress the enhancing effect of maternal exercise during pregnancy on learning and memory in rat pups. Neuroscience, 151(4), 1173-1183. doi.

Akhavan, M. M., Foroutan, T., Safari, M., Sadighi-Moghaddam, B., Emami-Abarghoie, M., & Rashidy-Pour, A. (2018). Prenatal exposure to maternal voluntary exercise during pregnancy provides protection against mild chronic postnatal hypoxia in rat offspring. Pakistan Journal of Pharmacological Sciences, 25(1), 233-238. doi.

Akins, M. R., LeBlanc, H. F., Stackpole, E. E., Chyung, E., & Fallon, J. R. (2018). Systematic mapping of Fragile X granules in the developing mouse brain reveals a potential role for presynaptic FMRP in sensorimotor functions. Journal of Comparative Neurology. doi.

Akkerman, S., Prickaerts, J., Bruder, A. K., Wolfs, K. H. M., De Vry, J., Vanmierlo, T., & Blokland, A. (2018). PDE5 Inhibition Improves Object Memory in Standard Housed Rats but Not in Rats

Housed in an Enriched Environment: Implications for Memory Models? Plos one, 9(11), e111692. doi: 10.1371/journal.pone.0111692.

<http://dx.doi.org/10.1371%2Fjournal.pone.0111692>

Akkhawattanakul, Y., Maiti, P., Xue, Y., Aryal, D., Wetsel, W. C., Hamilton, D., . . . McDonald, M. P. (2018). Targeted deletion of GD3 synthase protects against MPTP-induced neurodegeneration. *Genes, Brain and Behavior*, n/a-n/a. doi: 10.1111/gbb.12377. <http://dx.doi.org/10.1111/gbb.12377>

Akman, S., Canakci, V., Kara, A., Tozoglu, U., Arabaci, T., & Dagsuyu, İ. M. (2018). Therapeutic Effects of Alpha-lipoic Acid and Vitamin C on Alveolar Bone Resorption After Experimental Periodontitis in Rats. A Biochemical, Histochemical and Stereologic Study. *Journal of Periodontology*, 1-10. doi:

10.1902/jop.2012.120252. <http://dx.doi.org/10.1902/jop.2012.120252>

Akram, A., Christoffel, D., Rocher, A. B., Bouras, C., Kövari, E., Perl, D. P., . . . others. (2018). Stereologic estimates of total spinophilin-immunoreactive spine number in area 9 and the CA1 field: Relationship with the progression of Alzheimer's disease. *Neurobiology of Aging*, 29(9), 1296-1307. doi.

Albayrak, A., Halici, Z., Cadirci, E., Polat, B., Karakus, E., Bayir, Y., . . . Dogrul, A. (2018). Inflammation and peripheral 5-HT7 receptors: The role of 5-HT7 receptors in carrageenan induced inflammation in rats. *European Journal of Pharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.ejphar.2013.05.010>.

<http://www.sciencedirect.com/science/article/pii/S0014299913003877>

Alberico, S. L., Kim, Y.-C., Lence, T., & Narayanan, N. S. (2018). Axial levodopa-induced dyskinesias and neuronal activity in the dorsal striatum. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.11.046>. <http://www.sciencedirect.com/science/article/pii/S0306452216306881>

Albert, Y. v., Whitehead, J., Eldredge, L., Carter, J., Gao, X., & Tourtellotte, W. G. (2018). Transcriptional regulation of myotube fate specification and intrafusal muscle fiber morphogenesis. *Journal of Cell Biology*, 169, 257-268. doi.

Aldehri, M., Temel, Y., Jahanshahi, A., & Heschem, S. (2018). Fornix deep brain stimulation induces reduction of hippocampal synaptophysin levels. *Journal of Chemical Neuroanatomy*.

doi: <https://doi.org/10.1016/j.jchemneu.2018.12.001>. <http://www.sciencedirect.com/science/article/pii/S0891061818301169>

Aldrin-Kirk, P., Heuer, A., Ottosson, D. R., Davidsson, M., Mattsson, B., & Björklund, T. (2018). Chemogenetic modulation of cholinergic interneurons reveals their regulating role on the direct and indirect output pathways from the striatum. *Neurobiology of Disease*.

doi: <https://doi.org/10.1016/j.nbd.2017.10.010>. <http://www.sciencedirect.com/science/article/pii/S096999611730236X>

Alemdar, A. Y., Sadi, D., McAlister, V., & Mendez, I. (2018). Intracerebral co-transplantation of liposomal tacrolimus improves xenograft survival and reduces graft rejection in the hemiparkinsonian rat. *Neuroscience*, 146(1), 213-224. doi.

Alemдар, A. Y., Sadi, D., McAlister, V. C., & Mendez, I. (2018). Liposomal formulations of tacrolimus and rapamycin increase graft survival and fiber outgrowth of dopaminergic grafts. *Cell Transplantation*, 13(3), 263-271. doi.

Alexander, M., Garbus, H., Smith, A. L., & Fitch, R. H. (2018). Cell size anomalies in the auditory thalamus of rats with hypoxic-ischemic injury on postnatal day 3 or 7. *International Journal of Developmental Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.ijdevneu.2013.10.006>.

<http://www.sciencedirect.com/science/article/pii/S0736574813001469>

Alexander, M., Garbus, H., Smith, A. L., Rosenkrantz, T. S., & Fitch, R. H. (2018). Behavioral and histological outcomes following neonatal HI injury in a preterm (P3) and term (P7) rodent model. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2013.10.038>.

<http://www.sciencedirect.com/science/article/pii/S0166432813006530>

Alexander, M., Hill, C., Rosenkrantz, T., & Fitch, R. (2018). Evaluation of the Therapeutic Benefit of Delayed Administration of Erythropoietin following Early Hypoxic-Ischemic Injury in Rodents. *Developmental Neuroscience*. doi.

Alia, C., Spalletti, C., Lai, S., Panarese, A., Micera, S., & Caleo, M. (2018). Reducing GABAA-mediated inhibition improves forelimb motor function after focal cortical stroke in mice. [Article]. *Scientific Reports*, 6, 37823. doi: 10.1038/srep37823

<http://www.nature.com/articles/srep37823#supplementary-information>. <http://dx.doi.org/10.1038/srep37823>

Al-Izki, S., Pryce, G., Jackson, S. J., Giovannoni, G., & Baker, D. (2018). Immunosuppression with FTY720 is insufficient to prevent secondary progressive neurodegeneration in experimental autoimmune encephalomyelitis. *Multiple Sclerosis Journal*, 17(8), 939-948. doi.

Alkan, I., Altunkaynak, B. Z., Kivrak, E. G., Kaplan, A. A., & Arslan, G. (2020). Is vagal stimulation or inhibition benefit on the regulation of the stomach brain axis in obesity? *Nutritional Neuroscience*, 1-13. doi:

10.1080/1028415x.2020.1809875. <https://doi.org/10.1080/1028415x.2020.1809875>

Alladi, P. A., Mahadevan, A., Shankar, S. K., Raju, T. R., & Muthane, U. (2018). Expression of GDNF receptors GFR α 1 and RET is preserved in substantia nigra pars compacta of aging Asian Indians. *Journal of Chemical Neuroanatomy*, 40(1), 43-52. doi.

Alladi, P. A., Mahadevan, A., Vijayalakshmi, K., Muthane, U., Shankar, S. K., & Raju, T. R. (2018). Ageing enhances α -synuclein, ubiquitin and endoplasmic reticular stress protein expression in the nigral neurons of Asian Indians. *Neurochemistry International*, 57(5), 530-539. doi.

Alladi, P. A., Mahadevan, A., Yasha, T. C., Raju, T. R., Shankar, S. K., & Muthane, U. (2018). Absence of age-related changes in nigral dopaminergic neurons of Asian Indians: Relevance to lower incidence of Parkinson's disease. *Neuroscience*, 159(1), 236-245. doi.

Allahyari, R. V., Clark, K. L., Shepard, K. A., & Garcia, A. D. R. (2019). Sonic hedgehog signaling is negatively regulated in reactive astrocytes after forebrain stab injury. *Scientific Reports*, 9(1), 565. doi: 10.1038/s41598-018-37555-x.
<https://doi.org/10.1038/s41598-018-37555-x>

Allard, J., Tizabi, Y., Shaffery, J., & Manaye, K. (2018). Effects of rapid eye movement sleep deprivation on hypocretin neurons in the hypothalamus of a rat model of depression. *Neuropeptides*, 41(5), 329-337. doi.

Allegra, M., Spalletti, C., Vignoli, B., Azzimondi, S., Busti, I., Billuart, P., . . . Caleo, M. (2018). Pharmacological rescue of adult hippocampal neurogenesis in a mouse model of X-linked intellectual disability. *Neurobiology of Disease*, 100, 75-86.
doi: <http://dx.doi.org/10.1016/j.nbd.2017.01.003>.
<http://www.sciencedirect.com/science/article/pii/S0969996117300037>

Allen, A. R., & Smith, G. T. (2018). Spinal Transection Induces Widespread Proliferation of Cells along the Length of the Spinal Cord in a Weakly Electric Fish. *Brain, Behavior and Evolution*, 80(4), 269-280. doi.

Allen, B., Ingram, E., Takao, M., Smith, M. J., Jakes, R., & Virdee, K. (2018). Abundant tau filaments and nonapoptotic neurodegeneration in transgenic mice expressing human P301S tau protein. *Journal of Neuroscience*, 22. doi.

Allen, D. M., van Praag, H., Ray, J., Weaver, Z., Winrow, C. J., Carter, T. A., . . . Barlow, C. (2018). Ataxia telangiectasia mutated is essential during adult neurogenesis. *Genes and Development*, 15(5), 554-566. doi.

Allen, J. L., Liu, X., Weston, D., Conrad, K., Oberdörster, G., & Cory-Slechta, D. A. (2018). Consequences of developmental exposure to concentrated ambient ultrafine particle air pollution combined with the adult paraquat and maneb model of the Parkinson's disease phenotype in male mice. *Neurotoxicology*, (0).
doi: <http://dx.doi.org/10.1016/j.neuro.2014.01.004>.
<http://www.sciencedirect.com/science/article/pii/S0161813X14000175>

Allen, K. M., Fung, S. J., Rothmond, D. A., Noble, P. L., & Shannon Weickert, C. (2018). Gonadectomy increases neurogenesis in the male adolescent rhesus macaque hippocampus. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22217. <http://dx.doi.org/10.1002/hipo.22217>

Allen, K. M., Fung, S. J., & Shannon Weickert, C. (2018). Cell proliferation is reduced in the hippocampus in schizophrenia. *Australian and New Zealand Journal of Psychiatry*. doi: 10.1177/0004867415589793.
<http://anp.sagepub.com/content/early/2015/06/24/0004867415589793.abstract>

Allman, J. M., Tetreault, N. A., Hakeem, A. Y., Manaye, K. F., Semendeferi, K., Erwin, J. M., . . . Hof, P. R. (2018). The von Economo neurons in frontoinsular and anterior cingulate cortex in great apes and humans. *Brain Structure and Function*, 214(5), 495-517. doi.

Allman, J. M., Tetreault, N. A., Hakeem, A. Y., Manaye, K. F., Semendeferi, K., Erwin, J. M., ... Hof, P. R. (2018). The von Economo neurons in the frontoinsular and anterior cingulate cortex. *Annals of the New York Academy of Sciences*, 1225(1), 59-71. doi.

Allman, J. M., Tetreault, N. A., Hakeem, A. Y., & Park, S. (2018). The von economo neurons in apes and humans. *American Journal of Human Biology*, 23(1), 5-21. doi.

Almahbobi, G., Ruoss, C., Tadros, A., O'Shea, T., & McFarlane, J. (2018). The Role of BMP Signalling Pathway in the Regulation of Ovarian Follicle Development. *Biology of Reproduction*, 78, 290. doi.

Almeida, A. J., Cunha, C., Carmona, J. A., Sampaio-Marques, B., Carvalho, A., Malavazi, I., ... Rodrigues, F. (2018). Cdc42p controls yeast-cell shape and virulence of *Paracoccidioides brasiliensis*. *Fungal Genetics and Biology*, 46(12), 919-926. doi.

Almeida-Suhett, C. P., Prager, E. M., Pidoplichko, V., Figueiredo, T. H., Marini, A. M., Li, Z., ... Braga, M. F. M. (2018). GABAergic interneuronal loss and reduced inhibitory synaptic transmission in the hippocampal CA1 region after mild traumatic brain injury. *Experimental Neurology*, 273, 11-23. doi: <http://dx.doi.org/10.1016/j.expneurol.2015.07.028>. <http://www.sciencedirect.com/science/article/pii/S0014488615300613>

Almeida-Suhett, C. P., Prager, E. M., Pidoplichko, V., Figueiredo, T. H., Marini, A. M., Li, Z., ... Braga, M. F. M. (2018). Reduced GABAergic Inhibition in the Basolateral Amygdala and the Development of Anxiety-Like Behaviors after Mild Traumatic Brain Injury. *Plos one*, 9(7), e102627. doi: 10.1371/journal.pone.0102627. <http://dx.doi.org/10.1371%2Fjournal.pone.0102627>

Alonso-Nanclares, L., Gonzalez-Soriano, J., Rodriguez, J. R., & DeFelipe, J. (2018). Gender differences in human cortical synaptic density. *Proceedings of the National Academy of Sciences*, 105(38), 14615-14619. doi: 10.1073/Proceedings of the National Academy of Sciences.0803652105. <http://www.Proceedings of the National Academy of Sciences.org/content/105/38/14615.abstract>

Alonso-Nanclares, L., Kastanauskaite, A., Rodriguez, J.-R., Gonzalez-Soriano, J., & DeFelipe, J. (2018). A stereological study of synapse number in the epileptic human hippocampus. [Original Research]. *Frontiers in Neuroanatomy*, 5. doi: 10.3389/fnana.2011.00008. <http://www.frontiersin.org/Journal/Abstract.aspx?s=742&name=neuroanatomy..>

Alpár, A., Gärtner, U., Seeger, G., Härtig, W., Brauer, K., & Arendt, T. (2018). Constitutive expression of p21H-rasVal12 in pyramidal neurons results in reorganization of mouse neocortical afferents. *Journal of Neurobiology*, 60(3), 263-274. doi.

Alpar, A., Seeger, G., Hartig, W., Arendt, T., & Gartner, U. (2018). Adaptive morphological changes of neocortical interneurons in response to enlarged and more complex pyramidal cells in p21H-RasVal12 transgenic mice. *Brain Research Bulletin*, 62(4), 335-343. doi.

Al-Samerria, S., Al-Ali, I., McFarlane, J. R., & Almahbobi, G. (2018). The impact of passive immunization against BMPR1B and BMP4 on follicle development and ovulation. *Reproduction*, REP-14-0451. doi: <http://www.reproduction-online.org/content/early/2015/02/09/REP-14-0451...>

Altamura, C., Dell'Acqua, M. L., Moessner, R., Murphy, D. L., Lesch, K. P., & Persico, A. M. (2018). Altered Neocortical Cell Density and Layer Thickness in Serotonin Transporter Knockout Mice: A Quantitation Study. *Cerebral Cortex*, 17(6), 1394-1401. doi: 10.1093/cercor/bhl051. <http://cercor.oxfordjournals.org/cgi/content/abstract/17/6/1394>

Alter, S. P., Stout, K. A., Lohr, K. M., Taylor, T. N., Shepherd, K. R., Wang, M., . . . Miller, G. W. (2018). Reduced vesicular monoamine transport disrupts serotonin signaling but does not cause serotonergic degeneration. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2015.09.016>. <http://www.sciencedirect.com/science/article/pii/S0014488615300984>

Alto, L. T., Chen, X., Ruhn, K. A., Treviño, I., & Tansey, M. G. (2018). AAV-Dominant Negative Tumor Necrosis Factor (DN-TNF) Gene Transfer to the Striatum Does Not Rescue Medium Spiny Neurons in the YAC128 Mouse Model of Huntington's Disease. *Plos one*, 9(5), e96544. doi: 10.1371/journal.pone.0096544. <http://dx.doi.org/10.1371%2Fjournal.pone.0096544>

Alto, L. T., Havton, L. A., Conner, J. M., Hollis li, E. R., Blesch, A., & Tuszynski, M. H. (2018). Chemotropic guidance facilitates axonal regeneration and synapse formation after spinal cord injury. *Nature Neuroscience*, 12(9), 1106-1113. doi.

Altunkaynak, B. Z., Altun, G., Yahyazadeh, A., Kaplan, A. A., Deniz, O. G., Türkmen, A. P., . . . Kaplan, S. (2018). Different Methods for Evaluating the Effects of Microwave Radiation Exposure on the Nervous System. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2015.11.004>. <http://www.sciencedirect.com/science/article/pii/S0891061815000939>

Altunkaynak, B. Z., Ozbek, E., & others. (2018). Overweight and structural alterations of the liver in female rats fed a high-fat diet: a stereological and histological study. *Turkish Journal of Gastroenterology*, 20(2), 93-103. doi.

Altunkaynak, M. E., Altunkaynak, B. Z., Ünal, D., Vuraler, ü., Ünal, B., & others. (2018). Morphological alterations of sciatic nerve during development from rat fetuses to adults: a histological, stereological and embryological study. *Journal of the Faculty of Veterinary Medicine, University of Kafkas, Kars*, 15. doi.

Alvandi, M. S., Bourmpoula, M., Homberg, J. R., & Fathollahi, Y. (2018). Association of contextual cues with morphine reward increases neural and synaptic plasticity in the ventral hippocampus of rats. *Addiction Biology*, n/a-n/a. doi: 10.1111/adb.12547. <http://dx.doi.org/10.1111/adb.12547>

Alves, M. J., Goksel, M., Kaya, B., Mostafa, H., Gygli, P., Stephens, J., . . . Czeisler, C. M. (2018). CCNA2 Ablation in Aged Mice Results in Abnormal rRNA Granule Accumulation in Hippocampus. *The American journal of pathology*.

doi: <https://doi.org/10.1016/j.ajpath.2018.10.020>.
<http://www.sciencedirect.com/science/article/pii/S000294401830381X>

Alvisi, R. D., Diniz, G. B., Da-Silva, J. M., Bittencourt, J. C., & Felicio, L. F. (2018). Suckling-induced Fos activation and melanin-concentrating hormone immunoreactivity during late lactation. *Life Sciences*.

doi: <http://dx.doi.org/10.1016/j.lfs.2016.02.038>.
<http://www.sciencedirect.com/science/article/pii/S0024320516300881>

Alzghoul, L., Bortolato, M., Delis, F., Thanos, P. K., Darling, R. D., Godar, S. C., . . . Shih, J. C. (2018). Altered cerebellar organization and function in monoamine oxidase A hypomorphic mice. *Neuropharmacology*, 63(7), 1208-1217. doi: 10.1016/j.neuropharm.2012.08.003.

<http://www.sciencedirect.com/science/article/pii/S0028390812004005>

Amaral, C., Antonio, B., Oliveira, M. G. M., Hamani, C., Guinsburg, R., & Covolan, L. (2018). Early postnatal nociceptive stimulation results in deficits of spatial memory in male rats.

Neurobiology of Learning and Memory.

doi: <http://dx.doi.org/10.1016/j.nlm.2015.08.012>.
<http://www.sciencedirect.com/science/article/pii/S1074742715001690>

Ambalavanar, R., & Dessem, D. (2018). The Involvement of Calcitonin Gene-Related Peptide in Deep Tissue Nociception. *Progress in Neuropeptide Research*, 125-125. doi.

Ambrosi, G., Kustrimovic, N., Siani, F., Rasini, E., Cerri, S., Ghezzi, C., . . . Blandini, F. (2018). Complex Changes in the Innate and Adaptive Immunity Accompany Progressive Degeneration of the Nigrostriatal Pathway Induced by Intrastriatal Injection of 6- Hydroxydopamine in the Rat. [journal article]. *Neurotoxicity research*, 1-11. doi: 10.1007/s12640-017-9712-2.

<http://dx.doi.org/10.1007/s12640-017-9712-2>

Amina, S., Falcone, C., Hong, T., Wolf-Ochoa, M. W., Vakilzadeh, G., Allen, E., . . . Martínez-Cerdeño, V. (2021). Chandelier Cartridge Density Is Reduced in the Prefrontal Cortex in Autism. *Cerebral Cortex*, (bhaa402). doi:

10.1093/cercor/bhaa402. <https://doi.org/10.1093/cercor/bhaa402>

Ammassari-Teule, M., Sgobio, C., Biamonte, F., Marrone, C., Mercuri, N. B., & Keller, F. (2018). Reelin haploinsufficiency reduces the density of PV+ neurons in circumscribed regions of the striatum and selectively alters striatal-based behaviors. *Psychopharmacology*, 204(3), 511-521. doi.

Ammer, A. G., Hayes, K. E., Martin, K. H., Zhang, L., Spirou, G. A., & Weed, S. A. (2018). Multi- photon Imaging of Tumor Cell Invasion in an Orthotopic Mouse Model of Oral Squamous Cell Carcinoma. *Journal of Visualized Experiments*, (53). doi.

Ammer, A. G., Kelley, L. C., Hayes, K. E., Evans, J. V., Lopez-Skinner, L. A., Martin, K. H., . . . others. (2018). Saracatinib impairs head and neck squamous cell carcinoma invasion by disrupting invadopodia function. *Journal of Cancer Science and Therapy*, 1(2), 052-052. doi.

Amorapanth, P., LeDoux, J. E., & Nader, K. (2018). "Different lateral amygdala outputs mediate reactions and actions elicited by a fear-arousing stimulus." *Nature of Neuroscience*, 3, 74-79. doi.

Amorapanth, P., Nader, K., & LeDoux, J. E. (2018). "Lesions of Periaqueductal Gray Dissociate- Conditioned Freezing From Conditioned Suppression Behavior in Rats." *Learning and Memory*, 6(5), 491-499. doi.

Amrein, I., & Slomianka, L. (2018). A morphologically distinct granule cell type in the dentate gyrus of the red fox correlates with adult hippocampal neurogenesis. *Brain Research*, 1328, 12-24. doi.

Amrein, I., Slomianka, L., & Lipp, H.-P. (2018). Granule cell number, cell death and cell proliferation in the dentate gyrus of wild-living rodents. *European Journal of Neuroscience*, 20(12), 3342-3350. doi: doi:10.1111/j.1460-9568.2004.03795.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2004.03795.x>

Anan, J., Hijioka, M., Kurauchi, Y., Hisatsune, A., Seki, T., & Katsuki, H. (2018). Cortical hemorrhage-associated neurological deficits and tissue damage in mice are ameliorated by therapeutic treatment with nicotine. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.24016. <http://dx.doi.org/10.1002/jnr.24016>

Andersch, L., Radke, J., Klaus, A., Schwiebert, S., Winkler, A., Schumann, E., . . . Künkele, A. (2019). CD171- and GD2-specific CAR-T cells potently target retinoblastoma cells in preclinical in vitro testing. *BMC Cancer*, 19(1), 895. doi: 10.1186/s12885-019-6131-1. <https://doi.org/10.1186/s12885-019-6131-1>

Andersen, M. A., Christensen, K. V., Badolo, L., Smith, G. P., Jeggo, R., Jensen, P. H., . . . Sotty, F. (2018). Parkinson's disease-like burst firing activity in subthalamic nucleus induced by AAV- α -synuclein is normalized by LRRK2 modulation. *Neurobiology of Disease*, 116, 13-27. doi: <https://doi.org/10.1016/j.nbd.2018.04.011>. <https://www.sciencedirect.com/science/article/pii/S0969996118301190>

Anderson, A. J., Piltti, K. M., Hooshmand, M. J., Nishi, R. A., & Cummings, B. J. (2018). Preclinical Efficacy Failure of Human CNS-Derived Stem Cells for Use in the Pathway Study of Cervical Spinal Cord Injury. *Stem Cell Reports*, 8(2), 249-263. doi: <http://dx.doi.org/10.1016/j.stemcr.2016.12.018>. <http://www.sciencedirect.com/science/article/pii/S2213671116303083>

Anderson, D. J., Mondares, R. L., Born, D. E., & Gleason, C. A. (2018). The Effect of Binge Fetal Alcohol Exposure on the Number of Vasoactive Intestinal Peptide-Producing Neurons in Fetal Sheep Brain. *Developmental Neuroscience*, (DOI: 10.1159/000110349). doi.

Anderson, D. W., Schray, R. C., Duester, G., & Schneider, J. S. (2018). Functional significance of aldehyde dehydrogenase ALDH1A1 to the nigrostriatal dopamine system. *Brain Research*. doi.

Anderson, M. A., O'Shea, T. M., Burda, J. E., Ao, Y., Barlatey, S. L., Bernstein, A. M., . . . Sofroniew, M. V. (2018). Required growth facilitators propel axon regeneration across

complete spinal cord injury. *Nature*. doi: 10.1038/s41586-018-0467-6.
6. <https://doi.org/10.1038/s41586-018-0467-6>

Andersson, C., Hamer, R. M., Lawler, C. P., Mailman, R. B., & Lieberman, J. A. (2018). Striatal Volume Changes in the Rat Following Long-term Administration of Typical and Atypical Antipsychotic Drugs. *Neuropsychopharmacology*, 27, 143-151. doi.

Andersson, E. R., Prakash, N., Cajanek, L., Minina, E., Bryja, V., Bryjova, L., . . . Arenas, E. (2018). Wnt5a regulates ventral midbrain morphogenesis and the development of Ag-A10 dopaminergic cells in vivo. *PLoS ONE*, 3(10), e3517-e3517. doi.

Ando, K., Leroy, K., Héraud, C., Yilmaz, Z., Authélet, M., Suain, V., . . . Brion, J. P. (2018). Accelerated human mutant tau aggregation by knocking out murine tau in a transgenic mouse model. *American Journal of Pathology*, 178(2), 803-803. doi.

Andorfer, C., Acker, C. M., Kress, Y., Hof, P. R., Duff, K., & Davies, P. (2018). Cell-Cycle Reentry and Cell Death in Transgenic Mice Expressing Nonmutant Human Tau Isoforms. *Journal of Neuroscience*, 25(22), 5446-5454.
doi. <http://www.jneurosci.org/cgi/content/abstract/25/22/5446>

Andres, R. H., Horie, N., Slikker, W., Keren-Gill, H., Zhan, K., Sun, G., . . . Steinberg, G. K. (2018). Human neural stem cells enhance structural plasticity and axonal transport in the ischaemic brain. *Brain*, 134(6), 1777-1789. doi:
10.1093/brain/awr094. <http://brain.oxfordjournals.org/cgi/content/abstract/134/6/1777>

Andres-Mateos, E., Mejias, R., Sasaki, M., Li, X., Lin, B. M., Biskup, S., . . . Dawson, V. L. (2018). Unexpected Lack of Hypersensitivity in LRRK2 Knock-Out Mice to MPTP (1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine). *Journal of Neuroscience*, 29(50), 15846-15850. doi: 10.1523/jneurosci.4357-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/50/15846>

Andres-Mateos, E., Perier, C., Zhang, L., Blanchard-Fillion, B., Greco, T. M., Thomas, B., . . . Dawson, V. L. (2018). DJ-1 gene deletion reveals that DJ-1 is an atypical peroxiredoxin-like peroxidase. *Proceedings of the National Academy of Sciences*, 104(37), 14807-14812. doi: 10.1073/Proceedings of the National Academy of Sciences.0703219104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/37/14807>

Andrews, Z. B., Erion, D., Beiler, R., Liu, Z.-W., Abizaid, A., Zigman, J., . . . Horvath, T. L. (2018). Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. *Journal of Neuroscience*, 29(45), 14057-14065. doi: 10.1523/jneurosci.3890-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/45/14057>

Ang, E. T., Dawe, G. S., Wong, P. T. H., Moochhala, S., & Ng, Y. K. (2018). Alterations in spatial learning and memory after forced exercise. *Brain Research*, 1113(1), 186-193. doi.

Ang, E.-T., Schaefer, R., Baltensperger, R., Wernig, A., Celio, M., & Oliver, S. S. (2018). Motor Axonal Sprouting and Neuromuscular Junction Loss in an Animal Model of Charcot-Marie-Tooth Disease. *Journal of Neuropathology and Experimental Neurology*, 69(3), 281-293. doi.

Angelucci, C., D'Alessio, A., Sorrentino, S., Biamonte, F., Moscato, U., Mangiola, A., . . . Iacopino, F. (2021). Immunohistochemical Analysis of DNA Repair- and Drug-Efflux-Associated Molecules in Tumor and Peritumor Areas of Glioblastoma. *International Journal of Molecular Sciences*, 22(4). doi: 10.3390/ijms22041620.

Angka, H. E., Geddes, A. J., & Kablar, B. (2018). Differential survival response of neurons to exogenous GDNF depends on the presence of skeletal muscle. *Developmental Dynamics*, 237(11), 3169-3178. doi.

Angka, H. E., & Kablar, B. (2018). Differential responses to the application of exogenous NT-3 are observed for subpopulations of motor and sensory neurons depending on the presence of skeletal muscle. *Developmental Dynamics*, 236(5), 1193-1202. doi.

Anisimov, V. N., Berstein, L. M., Egormin, P. A., Piskunova, T. S., Popovich, I. G., & Zabezhinski, M. A. (2018). Metformin slows down aging and extends life span of female SHR mice. *Cell Cycle*, 7. doi: 10.4161/cc.7.17.6625. <http://dx.doi.org/10.4161/cc.7.17.6625>

Anneken, J., Cunningham, J., Collins, S., Yamamoto, B., & Gudelsky, G. (2018). MDMA Increases Glutamate Release and Reduces Parvalbumin-Positive GABAergic Cells in the Dorsal Hippocampus of the Rat: Role of Cyclooxygenase. *Journal of Neuroimmune Pharmacology*, 1-8. doi: 10.1007/s11481-012-9420-x. <http://dx.doi.org/10.1007/s11481-012-9420-x>

Anselmi, L., Bove, C., Coleman, F. H., Le, K., Subramanian, M. P., Venkiteswaran, K., . . . Travagli, R. A. (2018). Ingestion of subthreshold doses of environmental toxins induces ascending Parkinsonism in the rat. *Npj Parkinson's Disease*, 4(1), 30. doi: 10.1038/s41531-018-0066-0. <https://doi.org/10.1038/s41531-018-0066-0>

Anslow, M. J., Bodnar, A. J., Cerqueira, D. M., Bushnell, D., Shrom, B. E., Sims-Lucas, S., . . . Ho, J. (2020). Increased rates of vesicoureteral reflux in mice from deletion of Dicer in the peri-Wolffian duct stroma. *Pediatric Research*. doi: 10.1038/s41390-020-0788-7. <https://doi.org/10.1038/s41390-020-0788-7>

Antenor-Dorsey, J. A. V., & O'Malley, K. L. (2018). WldS but not Nmnat1 protects dopaminergic neurites from MPP+ neurotoxicity. *Molecular Neurodegeneration*, 7(1), 5-5. doi.

Antipova, V., Hawlitschka, A., Mix, E., Schmitt, O., Dräger, D., Benecke, R., & Wree, A. (2018). Behavioral and structural effects of unilateral intrastratial injections of botulinum neurotoxin a in the rat model of parkinson's disease. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23210. <http://dx.doi.org/10.1002/jnr.23210>

Antkiewicz, D. S., Burns, C. G., Carney, S. A., Peterson, R. E., & Heideman, W. (2018). Heart Malformation Is an Early Response to TCDD in Embryonic Zebrafish. *Toxicological Sciences*,

84(2), 368-377. doi:

10.1093/toxsci/kfi073. <http://toxsci.oxfordjournals.org/cgi/content/abstract/84/2/368>

Antonucci, F., Di Garbo, A., Novelli, E., Manno, I., Sartucci, F., Bozzi, Y., & Caleo, M. (2018). Botulinum neurotoxin E (BoNT/E) reduces CA1 neuron loss and granule cell dispersion, with no effects on chronic seizures, in a mouse model of temporal lobe epilepsy. *Experimental Neurology*, 210(2), 388-401. doi:

Anzalone, S., Vetreno, R. P., Ramos, R. L., & Savage, L. M. (2018). Cortical cholinergic abnormalities contribute to the amnesic state induced by pyriithiamine-induced thiamine deficiency in the rat. *European Journal of Neuroscience*, no-no.

doi: <http://dx.doi.org/10.1111/j.1460-9568.2010.07358.x>

Aoyama, N., Lee, S. M., Moro, N., Hovda, D. A., & Sutton, R. L. (2018). Duration of ATP reduction affects extent of CA1 cell death in rat models of fluid percussion injury combined with secondary ischemia. *Brain Research*, 1230, 310-319. doi:

Apland, J. P., Aroniadou-Anderjaska, V., Figueiredo, T. H., De Araujo Furtado, M., & Braga, M. F. M. (2018). Full Protection Against Soman-Induced Seizures and Brain Damage by LY293558 and Caramiphen Combination Treatment in Adult Rats. [journal article]. *Neurotoxicity research*. doi: 10.1007/s12640-018-9907-1.

<https://doi.org/10.1007/s12640-018-9907-1>

Apland, J. P., Aroniadou-Anderjaska, V., Figueiredo, T. H., Green, C. E., Swezey, R. R., Yang, C., ... Braga, M. F. M. (2018). Efficacy of the GluK1/AMPA Receptor Antagonist LY293558 Against Seizures and Neuropathology in a Soman-Exposure Model without Pretreatment and its Pharmacokinetics after Intramuscular Administration. *Journal of Pharmacology and Experimental Therapeutics*. doi:

10.1124/jpet.112.198689. <http://jpet.aspetjournals.org/content/early/2012/10/05/jpet.112.198689.a...>

Apland, J. P., Aroniadou-Anderjaska, V., Figueiredo, T. H., Rossetti, F., Miller, S. L., & Braga, M. F. M. (2018). The Limitations of Diazepam as a Treatment for Nerve Agent-Induced Seizures and Neuropathology in Rats; Comparison with UBP302. *Journal of Pharmacology and Experimental Therapeutics*. doi:

10.1124/jpet.114.217299.

<http://jpet.aspetjournals.org/content/early/2014/08/25/jpet.114.217299.a...>

Aponso, P. M., Faull, R. L. M., & Connor, B. (2018). Increased progenitor cell proliferation and astrogenesis in the partial progressive 6-hydroxydopamine model of Parkinson's disease. *Neuroscience*, 151(4), 1142-1153. doi:

Ara, J., Fekete, S., Frank, M., Golden, J. A., Pleasure, D., & Valencia, I. (2018). Hypoxic-preconditioning induces neuroprotection against hypoxia-ischemia in newborn piglet brain. *Neurobiology of Disease*. doi:

Arabaci, T., Cicek, Y., Canakci, V., Canakci, C. F., Ozgoz, M., Albayrak, M., & Keles, O. N. (2018). Immunohistochemical and Stereologic Analysis of NF- κ B Activation in Chronic Periodontitis. *European Journal of Dentistry*, 4(4), 454-454. doi:

Arabaci, T., Kermen, E., Özkanlar, S., Köse, O., Kara, A., Duman, Ş. B., & Ibişoğlu, E. (2018). Therapeutic Effects of Melatonin on Alveolar Bone Resorption After Experimental Periodontitis in Rats. A Biochemical and Immunohistochemical Study. *Journal of Periodontology*, 1-13. doi:

10.1902/jop.2015.140599. <http://dx.doi.org/10.1902/jop.2015.140599>

Arabaci, T., Köse, O., Kizildağ, A., Albayrak, M., Çiçek, Y., & Kara, A. (2018). Role of Nuclear Factor-kappa B in Phenytoin-induced Gingival Overgrowth. *Oral Diseases*, n/a-n/a. doi: 10.1111/odi.12111. <http://dx.doi.org/10.1111/odi.12111>

Arango, V., Mann, J. J., & Underwood, M. D. (2018). Fewer pigmented locus coeruleus neurons in suicide victims: preliminary results. *Biological Psychiatry*, 39, 112-120. doi:

Arango, V., Mann, J. J., & Underwood, M. D. (2018). Fewer pigmented neurons in the locus coeruleus of uncomplicated alcoholics. *Brain Research Protocols*, 650, 1-8. doi:

Arathoon, L. R., Gleave, J. A., Trinh, D., Lizal, K. E., Giguère, N., Barber, J. H. M., . . . Nash, J. E. (2018). Sirtuin 3 rescues neurons through the stabilisation of mitochondrial biogenetics in the virally-expressing mutant α -synuclein rat model of parkinsonism. *Neurobiology of Disease*. doi: <https://doi.org/10.1016/j.nbd.2017.06.009>. <http://www.sciencedirect.com/science/article/pii/S0969996117301365>

Aravanis, C. V., Kapelouzou, A., Vagios, S., Tsilimigras, D. I., Katsimpoulas, M., Moris, D., . . . Liakakos, T. (2018). Toll-Like Receptors -2, -3, -4 and -7 Expression Patterns in the Liver of a CLP-Induced Sepsis Mouse Model. *Journal of Investigative Surgery*, 1-9. doi: 10.1080/08941939.2018.1476630. <https://doi.org/10.1080/08941939.2018.1476630>

Arawaka, S., Fukushima, S., Sato, H., Sasaki, A., Koga, K., Koyama, S., & Kato, T. (2018). Zonisamide Attenuates α -Synuclein Neurotoxicity by an Aggregation-Independent Mechanism in a Rat Model of Familial Parkinson's Disease. *Plos one*, 9(2), e089076. doi: 10.1371/journal.pone.0089076. <http://dx.doi.org/10.1371%2Fjournal.pone.0089076>

Arawaka, S., Sato, H., Sasaki, A., Koyama, S., & Kato, T. (2018). Mechanisms underlying extensive Ser129-phosphorylation in α -synuclein aggregates. *Acta Neuropathologica Communications*, 5(1), 48. doi: <https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-017-0452-6>

Ardah, M. T., Merghani, M. M., & Haque, M. E. (2019). Thymoquinone prevents neurodegeneration against MPTP in vivo and modulates α -synuclein aggregation in vitro. *Neurochemistry International*, 128, 115-126. doi: <https://doi.org/10.1016/j.neuint.2019.04.014>.

<http://www.sciencedirect.com/science/article/pii/S0197018619300555>

Ardestani, P. M., Evans, A. K., Yi, B., Nguyen, T., Coutellier, L., & Shamloo, M. (2018). Modulation of neuroinflammation and pathology in the 5XFAD mouse model of Alzheimer's disease using a biased and selective beta-1 adrenergic receptor partial agonist. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2017.01.010>.

<http://www.sciencedirect.com/science/article/pii/S0028390817300102>

Arima, Y., Yokota, S., & Fujitani, M. (2019). Lateral parabrachial neurons innervate orexin neurons projecting to brainstem arousal areas in the rat. *Scientific Reports*, 9(1), 2830. doi: 10.1038/s41598-019-39063-y. <https://doi.org/10.1038/s41598-019-39063-y>

Arisi, G. M., & Garcia-Cairasco, N. (2018). Doublecortin-positive newly born granule cells of hippocampus have abnormal apical dendritic morphology in the pilocarpine model of temporal lobe epilepsy. *Brain Research*, 1165, 126-134. doi.

Arisi, G. M., & Garcia-Cairasco, N. (2018). Hippocampal doublecortin-positive granular neurons have abnormal dendritic morphology in the temporal lobe epilepsy pilocarpine model. *Journal of Epilepsy and Clinical Neurophysiology*, 12(3), 135-138. doi.

Arisi, G. M., & Garcia-Cairasco, N. (2018). A Proliferaçao de Neuronios Granulares Hipocampais Aumenta e os Dendritos dos Novos Neuronios São Anormais no Modelo Experimental de ELT Induzida por Pilocarpina. *Journal of Epilepsy*, 12(3), 135-138. doi.

Arisi, G. M., Ruch, M., Foresti, M. L., Mukherjee, S., Ribak, C. E., & Shapiro, L. A. (2018). Astrocyte Alterations in the Hippocampus Following Pilocarpine-induced Seizures in Aged Rats. *Aging and Disease*, 2(4), 294-300. doi.

Armstrong, E. A., Rufener, C., Toscano, M. J., Eastham, J. E., Guy, J. H., Sandilands, V., . . . Smulders, T. V. (2020). Keel bone fractures induce a depressive-like state in laying hens. *Scientific Reports*, 10(1), 3007. doi: 10.1038/s41598-020-59940-1. <https://doi.org/10.1038/s41598-020-59940-1>

Arner, A., Rockenstein, E., Mante, M., Florio, J., Masliah, D., Salehi, B., . . . Rissman, R. A. (2018). Increased Vulnerability of the Hippocampus in Transgenic Mice Overexpressing APP and Triple Repeat Tau. *Journal of Alzheimer's Disease*, 61(3), 1201-1219. doi. <https://content.iospress.com/articles/journal-of-alzheimers-disease/jad1..>

Arnò, B., Grassivaro, F., Rossi, C., Bergamaschi, A., Castiglioni, V., Furlan, R., . . . Muzio, L. (2018). Neural progenitor cells orchestrate microglia migration and positioning into the developing cortex. [Article]. *Nat Commun*, 5. doi: 10.1038/ncomms6611. <http://dx.doi.org/10.1038/ncomms6611>

Arnold, S. E., Han, L. Y., Clark, C. M., Grossman, M., & Trojanowski, J. Q. (2018). Quantitative neurohistological features of frontotemporal degeneration. *Neurobiology of Aging*, 21(6), 913-919. doi.

Arnold, S. E., Trojanowski, J. Q., Gur, R. E., Blackwell, P., Han, L.-Y., & Choi, C. (2018). Absence of Neurodegeneration and Neural Injury in the Cerebral Cortex in a Sample of Elderly Patients With Schizophrenia *Archive of General Psychiatry*, 55, 225-232. doi.

Aron, L., Klein, P., Pham, T. T., Kramer, E. R., Wurst, W., & Klein, R. (2018). Pro-survival role for Parkinson's associated gene DJ-1 revealed in trophically impaired dopaminergic neurons. *PLoS biology*, 8(4), e1000349-e1000349. doi.

Arredondo, S. B., Guerrero, F. G., Herrera-Soto, A., Jensen-Flores, J., Bustamante, D. B., Oñate-Ponce, A., . . . Varela-Nallar, L. (2019). Wnt5a promotes differentiation and

development of adult-born neurons in the hippocampus by noncanonical Wnt signaling. *Stem Cells*, n/a(n/a). doi: 10.1002/stem.3121.

<https://stemcells.journals.onlinelibrary.wiley.com/doi/abs/10.1002/stem.3121>

Arriagada, P. V., Growdon, J. H., Hedley-Whyte, E. T., & Hyman, B. T. (1992). Neurofibrillary tangles but not senile plaques parallel duration and severity of Alzheimer's disease.

Neurology, 42. doi: 10.1212/wnl.42.3.631. <http://dx.doi.org/10.1212/WNL.42.3.631>

Arruda-Carvalho, M., Akers, K. G., Guskjolen, A., Sakaguchi, M., Josselyn, S. A., & Frankland, P. W. (2014). Posttraining Ablation of Adult-Generated Olfactory Granule Cells Degrades Odor–Reward Memories. *The Journal of Neuroscience*, 34(47), 15793–15803.

doi: <http://www.jneurosci.org/content/34/47/15793.short>

Arruda-Carvalho, M., Restivo, L., Guskjolen, A., Epp, J. R., Elgersma, Y., Josselyn, S. A., & Frankland, P. W. (2014). Conditional Deletion of α -CaMKII Impairs Integration of Adult-Generated Granule Cells into Dentate Gyrus Circuits and Hippocampus-Dependent Learning. *The Journal of Neuroscience*, 34(36), 11919–11928.

doi: <http://www.jneurosci.org/content/34/36/11919.short>

Arruda-Carvalho, M., Sakaguchi, M., Akers, K. G., Josselyn, S. A., & Frankland, P. W. (2011). Posttraining Ablation of Adult-Generated Neurons Degrades Previously Acquired Memories. *Journal of Neuroscience*, 31(42), 15113–15127. doi: 10.1523/jneurosci.3432-11.2011.

<http://www.jneurosci.org/content/31/42/15113.abstract>

Arshad, A., Yang, B., Bienemann, A. S., Barua, N. U., Wyatt, M. J., Woolley, M., . . . Gill, S. S. (2015). Convection-Enhanced Delivery of Carboplatin PLGA Nanoparticles for the Treatment of Glioblastoma. *Plos one*, 10(7), e0132266. doi:

10.1371/journal.pone.0132266. <http://dx.doi.org/10.1371%2Fjournal.pone.0132266>

Arsznov, B. M., & Sakai, S. T. (2013). The Procyonid Social Club: Comparison of Brain Volumes in the Coati (*Nasua nasua*), Kinkajou (*Potos flavus*), and Raccoon (*Procyon lotor*). *Brain, Behavior and Evolution*, 82(2), 129–145.

doi: <http://www.karger.com/Article/FullText/354639>

Arun, P., Rossetti, F., Eken, O., Wilder, D., Wang, Y., & Long, J. (2021). Phosphorylated neurofilament heavy chain in the cerebrospinal fluid is a suitable biomarker of acute and chronic blast-induced traumatic brain injury. *Journal of Neurotrauma*. doi:

10.1089/neu.2021.0144. <https://doi.org/10.1089/neu.2021.0144>

Arvanian, V. L., Schnell, L., Lou, L., Golshani, R., Hunanyan, A., Ghosh, A., . . . others. (2009). Chronic spinal hemisection in rats induces a progressive decline in transmission in uninjured fibers to motoneurons. *Experimental Neurology*, 216(2), 471–480. doi:

Arvanitakis, Z., Schneider, J. A., Wilson, R. S., Bienias, J. L., Kelly, J. F., Evans, D. A., & Bennett, D. A. (2008). Statins, incident Alzheimer disease, change in cognitive function, and neuropathology. *Neurology*, 01.wnl.0000288181.0000200826.0000288163. doi: 10.1212/01.wnl.0000288181.00826.63. <http://www.neurology.org/cgi/content/abstract/01.wnl.0000288181.00826.63...>

Arvanitakis, Z., Schneider, J. A., Wilson, R. S., Li, Y., Arnold, S. E., Wang, Z., & Bennett, D. A. (2006). Diabetes is related to cerebral infarction but not to AD pathology in older persons *Neurology*, 67, 1960-1965. doi.

Asa, H., Chunni, Z., Aroa, R.-G., Chris, E., Arpine, G., Michael, J., . . . S., S. M. (2018). Deuterium- reinforced linoleic acid lowers lipid peroxidation and mitigates cognitive impairment in the Q140 knock in mouse model of Huntington's disease. *The FEBS Journal*, o(ja). doi: doi:10.1111/febs.14590.
<https://febs.onlinelibrary.wiley.com/doi/abs/10.1111/febs.14590>

Asadpour, R., Aliyoldashi, M. H., Saberivand, A., Hamidian, G., & Hejazi, M. (2020). Ameliorative effect of selenium nanoparticles on the structure and function of testis and in vitro embryo development in Aflatoxin B1-exposed male mice. *Andrologia*, n/a(n/a), e13824. doi: 10.1111/and.13824. <https://doi.org/10.1111/and.13824>

Ash, J. A., Velazquez, R., Kelley, C. M., Powers, B. E., Ginsberg, S. D., Mufson, E. J., & Strupp, B. J. (2014). Maternal choline supplementation improves spatial mapping and increases basal forebrain cholinergic neuron number and size in aged Ts65Dn mice. *Neurobiology of Disease*, (o). doi: <http://dx.doi.org/10.1016/j.nbd.2014.06.001>.
<http://www.sciencedirect.com/science/article/pii/S096999611400165X>

Assis-Nascimento, P., Tsenkina, Y., & Liebl, D. J. (2018). EphB3 signaling induces cortical endothelial cell death and disrupts the blood-brain barrier after traumatic brain injury. *Cell death & disease*, 9(1), 7. doi: 10.1038/s41419-017-0016-5.
<https://doi.org/10.1038/s41419-017-0016-5>

Atkins, C. M., Cepero, M. L., Kang, Y., Liebl, D. J., & Dietrich, W. D. (2012). Effects of rolipram on histopathological outcome after controlled cortical impact injury in mice. *Neuroscience Letters*, (o). doi: 10.1016/j.neulet.2012.10.019.
<http://www.sciencedirect.com/science/article/pii/S0304394012013766>

Atkins, C. M., Oliva Jr, A. A., Alonso, O. F., Pearse, D. D., Bramlett, H. M., & Dietrich, W. D. (2007). Modulation of the cAMP signaling pathway after traumatic brain injury. *Experimental Neurology*, 208(1), 145-158. doi.

Atkins, C. M., Truettner, J. S., Lotocki, G., Sanchez-Molano, J., Kang, Y., Alonso, O. F., . . . Bramlett, H. M. (2010). Post-traumatic seizure susceptibility is attenuated by hypothermia therapy. *European Journal of Neuroscience*, no-no. doi: 10.1111/j.1460-9568.2010.07467.x. <http://dx.doi.org/10.1111/j.1460-9568.2010.07467.x>

Atkins, N., Mitchell, J. W., Romanova, E. V., Morgan, D. J., Cominski, T. P., Ecker, J. L., . . . Gillette, M. U. (2010). Circadian integration of glutamatergic signals by little SAAS in novel suprachiasmatic circuits. *PLOS ONE*, 5(9), e12612-e12612. doi.

Attardo, A., Fabel, K., Krebs, J., Haubensak, W., Huttner, W. B., & Kempermann, G. (2009). Tis21 Expression Marks Not Only Populations of Neurogenic Precursor Cells but Also New Postmitotic Neurons in Adult Hippocampal Neurogenesis. *Cerebral Cortex*, bhp100. doi: 10.1093/cercor/bhp100.
<http://cercor.oxfordjournals.org/cgi/content/abstract/bhp100v1>

Au - Winship, A. L., Au - Sarma, U. C., Au - Alesi, L. R., & Au - Hutt, K. J. (2020). Accurate Follicle Enumeration in Adult Mouse Ovaries. *Jove*, (164), e61782. doi: doi:10.3791/61782. <https://www.jove.com/t/61782>

Audet, J. N., Gowing, G., Paradis, R., Soucy, G., & Julien, J. P. (2012). Ablation of Proliferating Cells in the CNS Exacerbates Motor Neuron Disease Caused by Mutant Superoxide Dismutase. *PLoS ONE*, 7(4), e34932. doi.

Audouard, E., Houben, S., Masaracchia, C., Yilmaz, Z., Suain, V., Authelet, M., . . . Brion, J.-P. (2016). High-Molecular-Weight Paired Helical Filaments from Alzheimer Brain Induces Seeding of Wild-Type Mouse Tau into an Argyrophilic 4R Tau Pathology in Vivo. *The American journal of pathology*. doi: <http://dx.doi.org/10.1016/j.ajpath.2016.06.008>. <http://www.sciencedirect.com/science/article/pii/S0002944016302346>

Audoy-Rémus, J., Bozoyan, L., Dumas, A., Filali, M., Lecours, C., Lacroix, S., . . . Vallières, L. (2015). GPR84 deficiency reduces microgliosis, but accelerates dendritic degeneration and cognitive decline in a mouse model of Alzheimer's disease. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2015.01.010>. <http://www.sciencedirect.com/science/article/pii/S0889159115000136>

Audoy-Remus, J., Richard, J.-F., Soulet, D., Zhou, H., Kubes, P., & Vallieres, L. (2008). Rod- Shaped Monocytes Patrol the Brain Vasculature and Give Rise to Perivascular Macrophages under the Influence of Proinflammatory Cytokines and Angiopoietin-2. *Journal of Neuroscience*, 28(41), 10187-10199. doi: 10.1523/jneurosci.3510-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/41/10187>

Auer, M. K., Sack, M., Lenz, J. N., Jakovcevski, M., Biedermann, S. V., Falfan-Melgoza, C., . . . Gass, P. (2015). Effects of a high-caloric diet and physical exercise on brain metabolite levels: a combined proton MRS and histologic study. [Original Article]. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1038/jcbfm.2014.231. <http://dx.doi.org/10.1038/jcbfm.2014.231>

Auer, R. N. (2019). Non-Perfused Brain and Retino-Dural Hemorrhage. *Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques*, 46(s2), S61-S62. doi: DOI: 10.1017/cjn.2019.260. <https://www.cambridge.org/core/article/nonperfused-brain-and-retinodural...>

Auffret, A., Gautheron, V., Repici, M., Kraftsik, R., Mount, H. T. J., Mariani, J., & Rovira, C. (2009). Age-Dependent Impairment of Spine Morphology and Synaptic Plasticity in Hippocampal CA1 Neurons of a Presenilin 1 Transgenic Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 29(32), 10144-10152. doi: 10.1523/jneurosci.1856-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/32/10144>

Augur, I. F., Wyckoff, A. R., Aston-Jones, G., Kalivas, P. W., & Peters, J. (2016). Chemogenetic Activation of an Extinction Neural Circuit Reduces Cue-Induced Reinstatement of Cocaine Seeking. *The Journal of Neuroscience*, 36(39), 10174-10180. doi. <http://www.jneurosci.org/content/36/39/10174.short>

Augustinack, J. C., Helmer, K., Huber, K. E., Kakunoori, S., Zöllei, L., & Fischl, B. (2010). Direct visualization of the perforant pathway in the human brain with ex vivo diffusion tensor imaging. *Frontiers in Human Neuroscience*, 4. doi.

Augustinack, J. C., Schneider, A., Mandelkow, E. M., & Hyman, B. T. (2002). Specific tau phosphorylation sites correlate with severity of neuronal cytopathology in Alzheimer's disease. *Acta Neuropathol*, 103. doi: 10.1007/s004010100423. <http://dx.doi.org/10.1007/s004010100423>

Augustine, F., Rajendran, S., & Singer, H. S. (2019). Cortical Endogenous Opioids and Their Role in Facilitating Repetitive Behaviors in Deer Mice. *Behavioural Brain Research*, 112317. doi: <https://doi.org/10.1016/j.bbr.2019.112317>. <http://www.sciencedirect.com/science/article/pii/S0166432819313816>

Aumann, T. D., Egan, K., Lim, J., Boon, W. C., Bye, C. R., Chua, H. K., . . . Horne, M. K. (2011). Neuronal activity regulates expression of tyrosine hydroxylase in adult mouse substantia nigra pars compacta neurons. *Journal of Neurochemistry*, 116(4), 646-658. doi: 10.1111/j.1471-4159.2010.07151.x. <http://dx.doi.org/10.1111/j.1471-4159.2010.07151.x>

Aumann, T. D., Gantois, I., Egan, K., Vais, A., Tomas, D., Drago, J., & Horne, M. K. (2008). SK channel function regulates the dopamine phenotype of neurons in the substantia nigra pars compacta. *Experimental Neurology*, 213(2), 419-430. doi.

Aumann, T. D., Raabus, M., Tomas, D., Prijanto, A., Churilov, L., Spitzer, N. C., & Horne, M. K. (2016). Differences in Number of Midbrain Dopamine Neurons Associated with Summer and Winter Photoperiods in Humans. *Plos one*, 11(7), e0158847. doi: 10.1371/journal.pone.0158847. <http://dx.doi.org/10.1371%2Fjournal.pone.0158847>

Aumann, T. D., Tomas, D., & Horne, M. K. (2013). Environmental and behavioral modulation of the number of substantia nigra dopamine neurons in adult mice. *Brain and Behavior*, n/a- n/a. doi: 10.1002/brb3.163. <http://dx.doi.org/10.1002/brb3.163>

Aungst, S. L., Kabadi, S. V., Thompson, S. M., Stoica, B. A., & Faden, A. I. (2014). Repeated mild traumatic brain injury causes chronic neuroinflammation, changes in hippocampal synaptic plasticity, and associated cognitive deficits. *Journal of Cerebral Blood Flow and Metabolism*. doi. <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm201475a.html>

Austin, P. J., Beyer, K., Bembrick, A. L., & Keay, K. A. (2010). Peripheral nerve injury differentially regulates dopaminergic pathways in the nucleus accumbens of rats with either [I pain alone or [I pain and disability'. *Neuroscience*, 171(1), 329-343. doi.

Auth, C. S., Weidner, M. T., Popp, S., Strekalova, T., Schmitt-Böhrer, A. G., van den Hove, D. L. A., . . . Waider, J. (2018). Differential anxiety-related behaviours and brain activation in Tph2- deficient female mice exposed to adverse early environment. *European Neuropsychopharmacology*. doi: <https://doi.org/10.1016/j.euroneuro.2018.07.103>. <http://www.sciencedirect.com/science/article/pii/S0924977X18302888>

Auvergne, R., Wu, C., Connell, A., Au, S., Cornwell, A., Osipovitch, M., . . . Goldman, S. A. (2015). PAR1 inhibition suppresses the self-renewal and growth of A2B5-defined glioma progenitor cells and their derived gliomas in vivo. [Original Article]. *Oncogene*. doi: 10.1038/onc.2015.452. <http://dx.doi.org/10.1038/onc.2015.452>

Auvergne, Romane M., Sim, Fraser J., Wang, S., Chandler-Militello, D., Burch, J., Al Fanek, Y., . . . Goldman, Steven A. (2013). Transcriptional Differences between Normal and Glioma-Derived Glial Progenitor Cells Identify a Core Set of Dysregulated Genes. *Cell Reports*, 6(10). doi: <http://dx.doi.org/10.1016/j.celrep.2013.04.035>. <http://www.sciencedirect.com/science/article/pii/S2211124713002179>

Avila, I., Parr-Brownlie, L. C., Brazhnik, E., Castañeda, E., Bergstrom, D. A., & Walters, J. R. (2010). Beta frequency synchronization in basal ganglia output during rest and walk in a hemiparkinsonian rat. *Experimental Neurology*, 221(2), 307-319. doi.

Avila, J., Leon-Espinosa, G., Garcia, E., Garcia-Escudero, V., Hernandez, F., & Defelipe, J. (2012). Tau phosphorylation by GSK3 in different conditions. *Int J Alzheimers Dis*, 2012. doi.

Avsar, U., Halici, Z., Akpınar, E., Yayla, M., Harun, U., Hasan, T. A., & Bayraktutan, Z. (2016). The Effects of Argan Oil in Second-degree Burn Wound Healing in Rats. *Ostomy/Wound Management*, 62(3), 26. doi. <http://www.ncbi.nlm.nih.gov/pubmed/26978857>

Axer, H., Bernstein, H. G., Keiner, S., Heronimus, P., Sauer, H., Witte, O. W., . . . Bähr, K. J. (2010). Increased neuronal cell number in the dorsal motor nucleus of the vagus in schizophrenia. *Acta Neuropsychiatrica*, 22(1), 26-34. doi.

Ay, M., Luo, J., Langley, M., Jin, H., Anantharam, V., Kanthasamy, A., & Kanthasamy, A. G. (2017). Molecular Mechanisms Underlying Protective Effects of Quercetin Against Mitochondrial Dysfunction and Progressive Dopaminergic Neurodegeneration in Cell Culture and MitoPark Transgenic Mouse Models of Parkinson's Disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.14033. <http://dx.doi.org/10.1111/jnc.14033>

Aydin, A., Halici, Z., Akoz, A., Karaman, A., Ferah, I., Bayir, Y., . . . Kovaci, H. (2014). Treatment with α -lipoic acid enhances the bone healing after femoral fracture model of rats. *Naunyn-Schmiedeberg's archives of pharmacology*, 1-12. doi: 10.1007/s00210-014-1021-1. <http://dx.doi.org/10.1007/s00210-014-1021-1>

Aydin, C., Oztan, O., & Isgor, C. (2014). Hippocampal Y2 receptor-mediated mossy fiber plasticity is implicated in nicotine abstinence-related social anxiety-like behavior in an outbred rat model of the novelty-seeking phenotype. *Pharmacology Biochemistry and Behavior*, 125(0), 48-54. doi: <http://dx.doi.org/10.1016/j.pbb.2014.08.004>. <http://www.sciencedirect.com/science/article/pii/S0091305714002251>

Aydinli, B., Kantarci, M., Polat, K. Y., Unal, B., Atamanalp, S. S., Durur, I., . . . Akgun, M. (2006). Stereological evaluation of treatment response in patients with non-resectable hepatic alveolar echinococcosis using computed tomography via the Cavalieri method. *Liver International*, 26(10), 1234-1240. doi: doi:10.1111/j.1478-

3231.2006.01363.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1478-3231.2006.01363.x>

Ayoub, A. E., & Salm, A. K. (2003). Increased Morphological Diversity of Microglia in the Activated Hypothalamic Supraoptic Nucleus. *Journal of Neuroscience*, 23(21), 7759-7766. doi: <http://www.jneurosci.org/cgi/content/abstract/23/21/7759>

Ayranci, F., Gungormus, M., Omezli, M. M., & Gundogdu, B. (2015). The Effect of Alendronate on Various Graft Materials Used in Maxillary Sinus Augmentation: A Rabbit Study. [Research Article]. *Iran Red Crescent Med J*, 17(12), e33569. doi: 10.5812/ircmj.33569. http://ircmj.com/?page=article&article_id=33569

Aytan, N., Choi, J.-K., Carreras, I., Brinkmann, V., Kowall, N. W., Jenkins, B. G., & Dedeoglu, A. (2016). Fingolimod modulates multiple neuroinflammatory markers in a mouse model of Alzheimer's disease. [Article]. *Scientific Reports*, 6, 24939. doi: 10.1038/srep24939. <http://dx.doi.org/10.1038/srep24939>

Aytan, N., Choi, J.-K., Carreras, I., Crabtree, L., Nguyen, B., Lehar, M., . . . Dedeoglu, A. Protective effects of 7,8-dihydroxyflavone on neuropathological and neurochemical changes in a mouse model of Alzheimer's disease. *European Journal of Pharmacology*. doi: <https://doi.org/10.1016/j.ejphar.2018.02.045>.
<https://www.sciencedirect.com/science/article/pii/S0014299918301304>

Ayton, S., Lei, P., Duce, J. A., Wong, B. X. W., Sedjahtera, A., Adlard, P. A., . . . Finkelstein, D. I. (2012). Ceruloplasmin dysfunction and therapeutic potential for parkinson's disease. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.23817. <http://dx.doi.org/10.1002/ana.23817>

Ba, Q., Cui, C., Wen, L., Feng, S., Zhou, J., & Yang, K. (2015). Schisandrin B shows neuroprotective effect in 6-OHDA-induced Parkinson's disease via inhibiting the negative modulation of miR-34a on Nrf2 pathway. *Biomedicine and Pharmacotherapy*. doi: <http://dx.doi.org/10.1016/j.biopha.2015.07.034>. <http://www.sciencedirect.com/science/article/pii/S075333221500178X>

Babaei, H., Roshangar, L., Sakhaee, E., Abshenas, J., Kheirandish, R., & Dehghani, R. (2012). Ultrastructural and morphometrical changes of mice ovaries following experimentally induced copper poisoning. *Iranian Red Crescent Medical Journal*, 14(9), 558. doi.

Baburamani, A. A., Miyakuni, Y., Vontell, R., Supramaniam, V., Svedin, P., Rutherford, M., . . . Thornton, C. (2015). Does Caspase-6 Have a Role in Perinatal Brain Injury. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/FullText/375368>

Bach, H., Arango, V., Huang, Y.-Y., Leong, S., John Mann, J., & Underwood, M. D. (2011). Neuronal Tryptophan Hydroxylase Expression in BALB/cJ and C57BL/6J Mice. *Journal of Neurochemistry*, no-no. doi: 10.1111/j.1471-4159.2011.07379.x. <http://dx.doi.org/10.1111/j.1471-4159.2011.07379.x>

Bachstetter, A., Pabon, M., Cole, M., Hudson, C., Sanberg, P., Willing, A., . . . Gemma, C. (2008). Peripheral injection of human umbilical cord blood stimulates neurogenesis in the aged rat brain. *BMC Neuroscience*, 9(1), 22. doi: <http://www.biomedcentral.com/1471-2202/9/22>

Bachstetter, A. D., Jernberg, J., Schlunk, A., Vila, J. L., Hudson, C., Cole, M. J., . . . others. (2010). Spirulina promotes stem cell genesis and protects against LPS induced declines in neural stem cell proliferation. *PLoS ONE*, 5(5), e10496-e10496. doi.

Bachstetter, A. D., Morganti, J. M., Jernberg, J., Schlunk, A., Mitchell, S. H., Brewster, K. W., . . . others. (2009). Fractalkine and CX3CR1 regulate hippocampal neurogenesis in adult and aged rats. *Neurobiology of Aging*. doi.

Bacigaluppi, M., Pluchino, S., Jametti, L. P., Kilic, E., Kilic, U., Salani, G., . . . Hermann, D. M. (2009). Delayed post-ischaemic neuroprotection following systemic neural stem cell transplantation involves multiple mechanisms. *Brain*, 132(8), 2239-2251. doi: 10.1093/brain/awp174.
<http://brain.oxfordjournals.org/cgi/content/abstract/132/8/2239>

Bacigaluppi, M., Russo, G. L., Peruzzotti-Jametti, L., Rossi, S., Sandrone, S., Butti, E., . . . Martino, G. (2016). Neural Stem Cell Transplantation Induces Stroke Recovery by Upregulating Glutamate Transporter GLT-1 in Astrocytes. [10.1523/JNEUROSCI.1643- 16.2016]. *The Journal of Neuroscience*, 36(41), 10529. doi. <http://www.jneurosci.org/content/36/41/10529.abstract>

Bacioglu, M., Maia, Luis F., Preische, O., Schelle, J., Apel, A., Kaeser, Stephan A., . . . Jucker, M. (2016). Neurofilament Light Chain in Blood and CSF as Marker of Disease Progression in Mouse Models and in Neurodegenerative Diseases. *Neuron*. doi: <http://dx.doi.org/10.1016/j.neuron.2016.05.018>. <http://www.sciencedirect.com/science/article/pii/S0896627316301970>

Bäck, S., Peränen, J., Galli, E., Pulkila, P., Lonka-Nevalaita, L., Tamminen, T., . . . Tuominen, R. K. (2013). Gene therapy with AAV2-CDNF provides functional benefits in a rat model of Parkinson's disease. *Brain and Behavior*, n/a-n/a. doi: 10.1002/brb3.117. <http://dx.doi.org/10.1002/brb3.117>

Badner, A., Hacker, J., Hong, J., Mikhail, M., Vawda, R., & Fehlings, M. G. (2018). Splenic involvement in umbilical cord matrix-derived mesenchymal stromal cell-mediated effects following traumatic spinal cord injury. [journal article]. *Journal of neuroinflammation*, 15(1), 219. doi: 10.1186/s12974-018-1243-0. <https://doi.org/10.1186/s12974-018-1243-0>

Badner, M. A., Vidal, D. P. M., Hong, M. J., Hacker, M. J., & Fehlings, D. M. G. (2019). Endogenous Interleukin-10 Deficiency Exacerbates Vascular Pathology in Traumatic Cervical Spinal Cord Injury. *Journal of Neurotrauma*, o(ja), null. doi: 10.1089/neu.2018.6081. <https://www.liebertpub.com/doi/abs/10.1089/neu.2018.6081>

Bae, E.-J., Kim, D.-K., Kim, C., Mante, M., Adame, A., Rockenstein, E., . . . Lee, S.-J. (2018). LRRK2 kinase regulates α -synuclein propagation via RAB35 phosphorylation. *Nature Communications*, 9(1), 3465. doi: 10.1038/s41467-018-05958-z. <https://doi.org/10.1038/s41467-018-05958-z>

Bae, E.-J., Lee, H.-J., Rockenstein, E., Ho, D.-H., Park, E.-B., Yang, N.-Y., . . . Lee, S.-J. (2012). Antibody-Aided Clearance of Extracellular α -Synuclein Prevents Cell-to-Cell Aggregate Transmission. *Journal of Neuroscience*, 32(39), 13454-13469. doi: 10.1523/jneurosci.1292- 12.2012. <http://www.jneurosci.org/content/32/39/13454.abstract>

- Bae, E.-J., Yang, N.-Y., Song, M., Lee, C. S., Lee, J. S., Jung, B. C., . . . Lee, S.-J. (2014). Glucocerebrosidase depletion enhances cell-to-cell transmission of α -synuclein. [Article]. *Nat Commun*, 5. doi: 10.1038/ncomms5755. <http://dx.doi.org/10.1038/ncomms5755>
- Bae, M., Patel, N., Xu, H., Lee, M., Tominaga-Yamanaka, K., Nath, A., . . . Haughey, N. J. (2014). Activation of TRPML1 Clears Intraneuronal A β in Preclinical Models of HIV Infection. *The Journal of Neuroscience*, 34(34), 11485-11503. doi. <http://www.jneurosci.org/content/34/34/11485.short>
- Baglietto-Vargas, D., Chen, Y., Suh, D., Ager, R. R., Rodriguez-Ortiz, C. J., Medeiros, R., . . . LaFerla, F. M. (2015). Short-term modern life-like stress exacerbates A β -pathology and synapse loss in 3xTg-AD mice. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13195. <http://dx.doi.org/10.1111/jnc.13195>
- Baglietto-Vargas, D., Forner, S., Cai, L., Martini, A. C., Trujillo-Estrada, L., Swarup, V., . . . LaFerla, F. M. (2021). Generation of a humanized A β expressing mouse demonstrating aspects of Alzheimer's disease-like pathology. *Nature Communications*, 12(1), 2421. doi: 10.1038/s41467-021-22624-z. <https://doi.org/10.1038/s41467-021-22624-z>
- Baharnoori, M., Bhardwaj, S., & Srivastava, L. (2010). Maternal Lipopolysaccharide Administration Leads To Developmental Alterations In Hippocampal Neuronal Density and Expression Of Cortical Dopaminergic Receptors In Rat Offspring. *Schizophrenia Research*, 117(2), 271-272. doi.
- Baharnoori, M., Bhardwaj, S. K., & Srivastava, L. K. (2013). Effect of Maternal Lipopolysaccharide Administration on the Development of Dopaminergic Receptors and Transporter in the Rat Offspring. *Plos one*, 8(1), e54439. doi: 10.1371/journal.pone.0054439. <http://dx.doi.org/10.1371%2Fjournal.pone.0054439>
- Bailes, J. E., & Mills, J. D. (2010). Docosahexaenoic acid reduces traumatic axonal injury in a rodent head injury model. *Journal of Neurotrauma*, 27(9), 1617-1624. doi.
- Bailey, R. A., Gutierrez, A., Kyser, T. L., Hemmerle, A. M., Hufgard, J. R., Seroogy, K. B., . . . Williams, M. T. (2019). Effects of Prewaning Manganese in Combination with Adult Striatal Dopamine Lesions on Monoamines, BDNF, TrkB, and Cognitive Function in Sprague-Dawley Rats. [journal article]. *Neurotoxicity Research*. doi: 10.1007/s12640-018-9992-1. <https://doi.org/10.1007/s12640-018-9992-1>
- Bains, M., Cousins, J. C., & Roberts, J. L. (2007). Neuroprotection by estrogen against MPP⁺-induced dopamine neuron death is mediated by ER α in primary cultures of mouse mesencephalon. *Experimental Neurology*, 204(2), 767-776. doi.
- Bains, M., & Roberts, J. L. (2015). Estrogen protects against dopamine neuron toxicity in primary mesencephalic cultures through an indirect P13K/Akt mediated astrocyte pathway. *Neuroscience Letters*. doi: <http://dx.doi.org/10.1016/j.neulet.2015.10.054>. <http://www.sciencedirect.com/science/article/pii/S0304394015302172>

Baitharu, I., Deep, S. N., Jain, V., Prasad, D., & Ilavazhagan, G. (2012). Inhibition of glucocorticoid receptors ameliorates hypobaric hypoxia induced memory impairment in rat. *Behavioural Brain Research*, (0). doi: 10.1016/j.bbr.2012.11.005.

http://www.sciencedirect.com/science/article/pii/S01664328120_07255

Bajo, V. M., Leach, N. D., Cordery, P. M., Nodal, F. R., & King, A. J. (2014). The cholinergic basal forebrain in the ferret and its inputs to the auditory cortex. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12653. <http://dx.doi.org/10.1111/ejn.12653>

Bajo, V. M., Nodal, F. R., Bizley, J. K., & King, A. J. (2010). The non-lemniscal auditory cortex in ferrets: convergence of corticotectal inputs in the superior colliculus. *Frontal Neuroanatomy*, 21(4), 18. doi.

Bajo, V. M., Nodal, F. R., Moore, D. R., & King, A. J. (2010). The descending corticocollicular pathway mediates learning-induced auditory plasticity. *Nature Neuroscience*, 13(2), 253-260. doi.

Bakkers, M., Merkies, I. S. J., Lauria, G., Devigili, G., Penza, P., Lombardi, R., . . . Faber, C. G. (2009). Intraepidermal nerve fiber density and its application in sarcoidosis. *Neurology*, 73(14), 1142-1148. doi:

10.1212/WNL.0b013e3181bacf05.

http://www.neurology.org/cgi/content/abstract/73/14/1_142

Bakkum, B. W., Fan, L., Pandey, S. C., & Cohen, R. S. (2011). Heterogeneity of dose and time effects of estrogen on neuron-specific neuronal protein and phosphorylated cyclic AMP response element-binding protein in the hippocampus of ovariectomized rats. *Journal of Neuroscience Research*, 89(6), 883-897. doi:

10.1002/jnr.22601. <http://dx.doi.org/10.1002/jnr.22601>

Balak, N., Ersoy, G., Uslu, Ü., Tanrıöver, N., Tapul, L., Çetin, G., . . . Elmaci, I. (2010). Microsurgical and histomorphometric study of the occipital sinus: Quantitative measurements using a novel approach of stereology. *Clinical Anatomy*, 23(4), 386-393. doi.

Balakrishnan, B., Dai, H., Janisse, J., Romero, R., & Kannan, S. (2013). Maternal Endotoxin Exposure Results in Abnormal Neuronal Architecture in the Newborn Rabbit.

Developmental Neuroscience. doi. <http://www.karger.com/Article/Citation/353156>

Balan, I. S., Fiskum, G., Hazelton, J., Cotto-Cumba, C., & Rosenthal, R. E. (2006). Oximetry- Guided Reoxygenation Improves Neurological Outcome After Experimental Cardiac Arrest. *Stroke*, 37(12), 3008-3013. doi:

10.1161/01.STR.0000248455.73785.b1.

<http://stroke.ahajournals.org/cgi/content/abstract/37/12/3008>

Balda, M. A., Anderson, K. L., & Itzhak, Y. (2008). Differential role of the nNOS gene in the development of behavioral sensitization to cocaine in adolescent and adult B6; 129S mice. *Psychopharmacology*, 200(4), 509-519. doi.

Balda, M. A., Anderson, K. L., & Itzhak, Y. (2009). The neuronal nitric oxide synthase (nNOS) gene contributes to the regulation of tyrosine hydroxylase (TH) by cocaine. *Neuroscience Letters*, 457(3), 120-124. doi.

Baldi, A., Calia, E., Ciampini, A., Riccio, M., Vetusch, A., Persico, A. M., & Keller, F. (2000). Deafferentation-induced apoptosis of neurons in thalamic somatosensory nuclei of the newborn rat: critical period and rescue from cell death by peripherally applied neurotrophins. *European Journal of Neuroscience*, 12(7), 2281-2290. doi: doi:10.1046/j.1460-9568.2000.00119.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2000.00119.x>

Baleriola, J., Walker, Chandler A., Jean, Ying Y., Crary, John F., Troy, Carol M., Nagy, Peter L., & Hengst, U. (2014). Axonally Synthesized ATF4 Transmits a Neurodegenerative Signal across Brain Regions. *Cell*, 158(5), 1159-1172. doi: <http://dx.doi.org/10.1016/j.cell.2014.07.001>. <http://www.sciencedirect.com/science/article/pii/S0092867414008770>

Balke, D., Tatenhorst, L., Dambeck, V., Ribas, V. T., Vahsen, B. F., Michel, U., . . . Lingor, P. (2019). AAV-Mediated Expression of Dominant-Negative ULK1 Increases Neuronal Survival and Enhances Motor Performance in the MPTP Mouse Model of Parkinson's Disease. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-019-01744-0. <https://doi.org/10.1007/s12035-019-01744-0>

Ballesteros, I., Cuartero, M., a, I., Moraga, A., de la Parra, J., Lizasoain, I., . . . ngeles. (2014). Stereological and Flow Cytometry Characterization of Leukocyte Subpopulations in Models of Transient or Permanent Cerebral Ischemia. *JoVE*, (94), e52031. doi: doi:10.3791/52031. <http://www.jove.com/video/52031>

Balsevich, G., Poon, A., Goldowitz, D., & Wilking, J. A. (2014). The effects of pre- and post- natal nicotine exposure and genetic background on the striatum and behavioral phenotypes in the mouse. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2014.02.038>. <http://www.sciencedirect.com/science/article/pii/S0166432814001235>

Baltazar-Gaytan, E., Aguilar-Alonso, P., Brambila, E., Tendilla-Beltran, H., Vázquez-Roque, R. A., Morales-Medina, J. C., . . . Flores, G. (2018). Increased cell number with reduced nitric oxide level and augmented superoxide dismutase activity in the anterior-pituitary region of young suicide completers. *Journal of Chemical Neuroanatomy*. doi: <https://doi.org/10.1016/j.jchemneu.2018.11.002>. <http://www.sciencedirect.com/science/article/pii/S0891061818301686>

Balu, D. T., Basu, A. C., Corradi, J. P., Cacace, A. M., & Coyle, J. T. (2011). The NMDA receptor co-agonists, d-serine and glycine, regulate neuronal dendritic architecture in the somatosensory cortex. *Neurobiology of Disease*. doi.

Balu, D. T., Li, Y., Puhl, M. D., Benneyworth, M. A., Basu, A. C., Takagi, S., . . . Coyle, J. T. (2013). Multiple risk pathways for schizophrenia converge in serine racemase knockout mice, a mouse model of NMDA receptor hypofunction. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1304308110. <http://www.pnas.org/content/early/2013/05/30/1304308110.abstract>

Balu, D. T., Pantazopoulos, H., Huang, C. C. Y., Muszynski, K., Harvey, T. L., Uno, Y., . . . Coyle, J. T. (2019). Neurotoxic astrocytes express the d-serine synthesizing enzyme, serine racemase, in Alzheimer's disease. *Neurobiology of Disease*, 130, 104511. doi: <https://doi.org/10.1016/j.nbd.2019.104511>. <http://www.sciencedirect.com/science/article/pii/S0969996119301706>

Balu, D. T., Presti, K. T., Huang, C. C. Y., Muszynski, K., Radzishevsky, I., Wolosker, H., . . . Coyle, J. T. (2017). Serine Racemase and D-serine in the Amygdala are Dynamically Involved in Fear Learning. *Biological Psychiatry*. doi: 10.1016/j.biopsych.2017.08.012. <http://dx.doi.org/10.1016/j.biopsych.2017.08.012>

Banasr, M., & Duman, R. S. (2008). Glial loss in the prefrontal cortex is sufficient to induce depressive-like behaviors. *Biological Psychiatry*, 64(10), 863-870. doi.

Banasr, M., Valentine, G. W., Li, X. Y., Gourley, S. L., Taylor, J. R., & Duman, R. S. (2007). Chronic unpredictable stress decreases cell proliferation in the cerebral cortex of the adult rat. *Biological Psychiatry*, 62(5), 496-504. doi.

Bandara, N., Gurusinghe, S., Kong, A., Mitchell, G., Wang, L.-X., Lim, S. Y., & Strappe, P. (2019). Generation of a nitric oxide signaling pathway in mesenchymal stem cells promotes endothelial lineage commitment. *Journal of Cellular Physiology*, 0(0). doi: 10.1002/jcp.28640. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jcp.28640>

Banihashemi, L., O'Neill, E. J., & Rinaman, L. (2011). Central neural responses to restraint stress are altered in rats with an early life history of repeated brief maternal separation. *Neuroscience*. doi.

Banji, D., Banji, O. J. F., Dasaroju, S., & Annamalai, A. R. (2012). Piperine and curcumin exhibit synergism in attenuating D-Galactose induced senescence in rats. *European Journal of Pharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.ejphar.2012.11.018>. <http://www.sciencedirect.com/science/article/pii/S0014299912009491>

Bantle, C. M., French, C. T., Cummings, J. E., Sadasivan, S., Tran, K., Slayden, R. A., . . . Tjalkens, R. B. (2021). Manganese exposure in juvenile C57BL/6 mice increases glial inflammatory responses in the substantia nigra following infection with H1N1 influenza virus. *Plos one*, 16(1), e0245171. doi: 10.1371/journal.pone.0245171. <https://doi.org/10.1371/journal.pone.0245171>

Bañuelos, C., LaSarge, C. L., McQuail, J. A., Hartman, J. J., Gilbert, R. J., Ormerod, B. K., & Bizon, J. L. (2012). Age-related changes in rostral basal forebrain cholinergic and GABAergic projection neurons: relationship with spatial impairment. *Neurobiology of Aging*, (0). doi: 10.1016/j.neurobiolaging.2012.06.013. <http://www.sciencedirect.com/science/article/pii/S0197458012003624>

Bao, L.-H., Zhang, Y.-N., Zhang, J.-N., Gu, L., Yang, H.-M., Huang, Y.-Y., . . . Zhang, H. (2018). Urate inhibits microglia activation to protect neurons in an LPS-induced model of Parkinson's disease. [journal article]. *Journal of neuroinflammation*, 15(1), 131. doi: 10.1186/s12974-018-1175-8. <https://doi.org/10.1186/s12974-018-1175-8>

Bao, Y., Bramlett, H. M., Atkins, C. M., Truettner, J. S., Lotocki, G., Alonso, O. F., & Dietrich, W. D. (2011). Post-traumatic seizures exacerbate histopathological damage after fluid- percussion brain injury. *Journal of Neurotrauma*, 28(1), 35-42. doi.

Baquet, Z. C., Bickford, P. C., & Jones, K. R. (2005). Brain-Derived Neurotrophic Factor Is Required for the Establishment of the Proper Number of Dopaminergic Neurons in the Substantia Nigra Pars Compacta. *Journal of Neuroscience*, 25(26), 6251-6259.

doi: <http://www.jneurosci.org/cgi/content/abstract/25/26/6251>

Baquet, Z. C., Gorski, J. A., & Jones, K. R. (2004). Early Striatal Dendrite Deficits followed by Neuron Loss with Advanced Age in the Absence of Anterograde Cortical Brain-Derived Neurotrophic Factor. *Journal of Neuroscience*, 24(17), 4250-4258.

doi: <http://www.jneurosci.org/cgi/content/abstract/24/17/4250>

Baquet, Z. C., Williams, D., Brody, J., & Smeyne, R. J. (2009). A comparison of model-based (2D) and design-based (3D) stereological methods for estimating cell number in the substantia nigra pars compacta (SNpc) of the C57BL/6J mouse. *Neuroscience*, 161(4), 1082- 1090. doi.

Baracchi, F., Ingiosi, A. M., Raymond, R. M., & Opp, M. R. (2011). Sepsis-induced alterations in sleep of rats. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 301(5), R1467-R1478. doi:

10.1152/ajpregu.00354.2011. <http://ajpregu.physiology.org/content/301/5/R1467.abstract>

Barakat, D. J., Gaglani, S. M., Neravetla, S. R., Sanchez, A. R., Andrade, C. M., Pressman, Y., . . . Pearce, D. D. (2005). Survival, integration, and axon growth support of glia transplanted into the chronically contused spinal cord. *Cell Transplantation*, 14(4), 225-240. doi.

Barakat-Walter, I., Kraftsik, R., Schenker, M., & Kuntzer, T. (2007). Thyroid Hormone in Biodegradable Nerve Guides Stimulates Sciatic Nerve Regeneration: A Potential Therapeutic Approach for Human Peripheral Nerve Injuries. *Journal of Neurotrauma*, 27(3), 567-577. doi.

Barapatre, N., Kampfer, C., Henschen, S., Schmitz, C., Edler von Koch, F., & Frank, H.-G. (2021). Growth restricted placentas show severely reduced volume of villous components with perivascular myofibroblasts. *Placenta*, 109, 19-27.

doi: <https://doi.org/10.1016/j.placenta.2021.04.006>.

<https://www.sciencedirect.com/science/article/pii/S0143400421001211>

Barbas, H., Medalla, M., Alade, O., Suski, J., Zikopoulos, B., & Lera, P. (2005). Relationship of Prefrontal Connections to Inhibitory Systems in Superior Temporal Areas in the Rhesus Monkey. *Cerebral Cortex*, 15(9), 1356-1370. doi:

10.1093/cercor/bhi018. <http://cercor.oxfordjournals.org/cgi/content/abstract/15/9/1356>

Barberi, T., Klivenyi, P., Calingasan, N. Y., Lee, H., Kawamata, H., Loonam, K., . . . Studer, L. (2003). Neural subtype specification of fertilization and nuclear transfer embryonic stem cells and application in parkinsonian mice. *Nature Biotechnology*, 21, 1200-1207. doi.

Barcia, C., Thomas, C. C., Curtin, J. F., King, G. D., Wawrowsky, K., Candolfi, M., . . . Lowenstein, P. R. (2006). In vivo mature immunological synapses forming SMACs mediate clearance of virally infected astrocytes from the brain. *Journal of Experimental Medicine*, 203(9), 2095- 2107. doi.

Bardgett, M. E., Baum, K. T., O'Connell, S. M., Lee, N. M., & Hon, J. C. (2006). Effects of risperidone on locomotor activity and spatial memory in rats with hippocampal damage. *Neuropharmacology*, 51. doi: 10.1016/j.neuropharm.2006.07.014. <http://dx.doi.org/10.1016/j.neuropharm.2006.07.014>

Barger, N., Sheley, M. F., & Schumann, C. M. (2014). Stereological study of pyramidal neurons in the human superior temporal gyrus from childhood to adulthood. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23707. <http://dx.doi.org/10.1002/cne.23707>

Barger, N., Stefanacci, L., & Semendeferi, K. (2007). A comparative volumetric analysis of the amygdaloid complex and basolateral division in the human and ape brain. *American Journal of Physical Anthropology*, 134(3), 392-403. doi.

Barhwal, K., Das, S. K., Kumar, A., Hota, S. K., Srivastava, R. B., & Kumar, B. (2015). Insulin Receptor A and Sirtuin 1 synergistically improve learning and spatial memory following chronic salidroside treatment during hypoxia. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13225. <http://dx.doi.org/10.1111/jnc.13225>

Barhwal, K., Hota, S. K., Baitharu, I., Prasad, D., Singh, S. B., & Ilavazhagan, G. (2009). Isradipine antagonizes hypobaric hypoxia induced CA1 damage and memory impairment: Complementary roles of L-type calcium channel and NMDA receptors. *Neurobiology of Disease*, 34(2), 230-244. doi.

Barhwal, K., Hota, S. K., Jain, V., Prasad, D., Singh, S. B., & Ilavazhagan, G. (2009). Acetyl-L-carnitine (ALCAR) prevents hypobaric hypoxia-induced spatial memory impairment through extracellular related kinase-mediated nuclear factor erythroid 2-related factor 2 phosphorylation. *Neuroscience*, 161(2), 501-514. doi.

Barhwal, K., Hota, S. K., Prasad, D., Singh, S. B., & Ilavazhagan, G. (2008). Hypoxia-induced deactivation of NGF-mediated ERK1/2 signaling in hippocampal cells: Neuroprotection by acetyl-L-carnitine. *Journal of Neuroscience Research*, 86(12), 2705-2721. doi.

Barkan, S., Roll, U., Yom-Tov, Y., Wassenaar, L. I., & Barnea, A. (2016). Possible linkage between neuronal recruitment and flight distance in migratory birds. [Article]. *Scientific Reports*, 6, 21983. doi: 10.1038/srep21983. <http://dx.doi.org/10.1038/srep21983>

Barkan, S., Yom-Tov, Y., & Barnea, A. (2014). A possible relation between new neuronal recruitment and migratory behavior in *Acrocephalus* warblers. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22198. <http://dx.doi.org/10.1002/dneu.22198>

Barkho, B. Z., Song, H., Aimone, J. B., Smrt, R. D., Kuwabara, T., Nakashima, K., . . . Zhao, X. (2006). Identification of astrocyte-expressed factors that modulate neural stem/progenitor cell differentiation. *Stem Cells and Development*, 15(3), 407-421. doi.

Barks, S. K., Bauernfeind, A. L., Bonar, C. J., Cranfield, M. R., de Sousa, A. A., Erwin, J. M., . . . Sherwood, C. C. (2013). Variable temporo-insular cortex neuroanatomy in primates suggests a bottleneck effect in eastern gorillas. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23448. <http://dx.doi.org/10.1002/cne.23448>

Barlind, A., Karlsson, N., Aberg, N. D., Bjork-Eriksson, T., Blomgren, K., & Isgaard, J. (2010). The growth hormone secretagogue hexarelin increases cell proliferation in neurogenic regions of the mouse hippocampus. *Growth Hormone and IGF Research*, 20(1), 49-54. doi.

Barlind, A., Karlsson, N., Björk-Eriksson, T., Isgaard, J., & Blomgren, K. (2010). Decreased cytogenesis in the granule cell layer of the hippocampus and impaired place learning after irradiation of the young mouse brain evaluated using the IntelliCage platform. *Experimental Brain Research*, 201(4), 781-787. doi.

Barnea, A., Mishal, A., & Nottebohm, F. (2006). Social and spatial changes induce multiple survival regimes for new neurons in two regions of the adult brain: An anatomical representation of time? *Behavioural Brain Research*, 167(1), 63-74. doi.

Barneoud, P., Lolivier, J., Sanger, D. J., Scatton, B., & Moser, P. (1997). Quantitative motor assessment in FALS mice: a longitudinal study. *Neuroreport*, 8. doi: 10.1097/00001756-199709080-00012. <http://dx.doi.org/10.1097/00001756-199709080-00012>

Barnes, L. L., Schneider, J. A., Boyle, P. A., Bienias, J. L., & Bennett, D. A. (2006). Memory complaints are related to Alzheimer disease pathology in older persons. *Neurology*, 67, 1581-1585. doi.

Barnum, C. J., Chen, X., Chung, J., Chang, J., Williams, M., Grigoryan, N., . . . Tansey, M. G. (2014). Peripheral Administration of the Selective Inhibitor of Soluble Tumor Necrosis Factor (TNF) XPro1595 Attenuates Nigral Cell Loss and Glial Activation in 6-OHDA Hemiparkinsonian Rats. *Journal of Parkinson's Disease*. doi: 10.3233/jpd-140410. <http://dx.doi.org/10.3233/JPD-140410>

Baroncelli, L., Molinaro, A., Cacciante, F., Alessandri, M. G., Napoli, D., Putignano, E., . . . Pizzorusso, T. (2016). A mouse model for creatine transporter deficiency reveals early onset cognitive impairment and neuropathology associated with brain aging. *Human Molecular Genetics*. doi: 10.1093/hmg/ddw252. <http://hmg.oxfordjournals.org/content/early/2016/07/24/hmg.dd.w252.abstract>

Barratt, H. E., Lanman, T. A., & Carmichael, S. T. (2014). Mouse intracerebral hemorrhage models produce different degrees of initial and delayed damage, axonal sprouting, and recovery. *Journal of Cerebral Blood Flow and Metabolism*. doi. <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2014107a.html>

Barrera, K., Chu, P., Abramowitz, J., Steger, R., Ramos, R. L., & Brumberg, J. C. (2012). Organization of myelin in the mouse somatosensory barrel cortex and the effects of sensory deprivation. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22060. <http://dx.doi.org/10.1002/dneu.22060>

Barrett, J. P., Henry, R. J., Ann Shirey, K., Doran, S. J., Makarevich, O. D., Ritzel, R. R., . . . Loane, D. J. (2020). Interferon- β plays a detrimental role in experimental traumatic brain injury by enhancing neuroinflammation that drives chronic neurodegeneration. *The Journal of Neuroscience*, 2516-2519. doi: 10.1523/jneurosci.2516-19.2020. <https://www.jneurosci.org/content/jneuro/early/2020/02/05/JNEUROSCI.2516-19.2020>

Barrett, T., Marchalant, Y., & Park, K. H. J. (2019). p35 Hemizygous Deletion in 5xFAD Mice Increases A β Plaque Load in Males but Not in Females. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.08.017>. <http://www.sciencedirect.com/science/article/pii/S0306452219305731>

Barrionuevo, F., Georg, I., Scherthan, H., Lécureuil, C., Guillou, F., Wegner, M., & Scherer, G. (2009). Testis cord differentiation after the sex determination stage is independent of Sox9 but fails in the combined absence of Sox9 and Sox8. *Developmental Biology*, 327(2), 301-312. doi: 10.1016/j.ydbio.2009.05.017

Barrios-Anderson, A., Chen, X., Lim, Y.-P., & Stonestreet, B. S. (2017). Abstract WP288: Inter-Alpha Inhibitor Proteins Reduce the Presence of Neutrophils and Matrix Metalloproteinase-9 Positive Neutrophils in Damaged Brain Regions of Neonates with Hypoxic-Ischemic (HI) Brain Injury. *Stroke*, 48(Suppl 1), AWP288. doi: http://stroke.ahajournals.org/content/48/Suppl_1/AWP288.abstract

Barrios-Anderson, A., Chen, X., Nakada, S., Chen, R., Lim, Y.-P., & Stonestreet, B. S. (2019). Inter-alpha Inhibitor Proteins Modulate Neuroinflammatory Biomarkers After Hypoxia- Ischemia in Neonatal Rats. *Journal of Neuropathology and Experimental Neurology*. doi: 10.1093/jnen/nlz051. <https://doi.org/10.1093/jnen/nlz051>

Barrios-Anderson, A., Chen, X., Naqvi, S. S., Lim, Y.-P., & Stonestreet, B. S. (2017). Abstract 60: Inter-alpha Inhibitor Proteins Reduce the Quantity of Microglia in the Hippocampus After Hypoxic-ischemic Brain Injury in the Neonate. *Stroke*, 48(Suppl 1), A60. doi: http://stroke.ahajournals.org/content/48/Suppl_1/A60.abstract

Bartl, S., Oueslati, A., Southwell, A. L., Siddu, A., Parth, M., David, L. S., . . . Smrzka, O. W. (2020). Inhibiting cellular uptake of mutant huntingtin using a monoclonal antibody: Implications for the treatment of Huntington's disease. *Neurobiology of Disease*, 141, 104943. doi: <https://doi.org/10.1016/j.nbd.2020.104943>. <http://www.sciencedirect.com/science/article/pii/S0969996120302187>

Bartlett, L. E., Sadi, D., Lewington, M., & Mendez, I. (2004). Functional improvement with low- dose dopaminergic grafts in hemiparkinsonian rats. *Neurosurgery*, 55(2), 405-405. doi: 10.1227/00006123-200402000-00017

Barton, E., Baker, C., & Leasure, J. (2017). Investigation of Sex Differences in the Microglial Response to Binge Ethanol and Exercise. *Brain Sciences*, 7(10), 139. doi: <http://www.mdpi.com/2076-3425/7/10/139>

Barua, N. U., Bienemann, A. S., Hesketh, S., Wyatt, M. J., Castrique, E., Love, S., & Gill, S. S. (2012). Intrastriatal convection-enhanced delivery results in widespread perivascular distribution in a pre-clinical model. *Fluids and Barriers of the CNS*, 9, 2-2. doi.

Baryshnikova, L. M., Von Bohlen Und Halbach, O., Kaplan, S., & Von Bartheld, C. S. (2006). Two distinct events, section compression and loss of particles ("lost caps"), contribute to z- axis distortion and bias in optical disector counting. *Microscopy Research and Technique*, 69(9), 738-756. doi.

Baskaran, R., Lai, C.-C., Li, W.-Y., Tuan, L.-H., Wang, C.-C., Lee, L. J.-H., . . . Lee, L.-J. (2019). Characterization of striatal phenotypes in heterozygous *Disc1* mutant mice, a model of haploinsufficiency. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24813. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24813>

Bassey, R. B., & Gondré-Lewis, M. C. (2018). Combined early life stressors: Prenatal nicotine and maternal deprivation interact to influence affective and drug seeking behavioral phenotypes in rats. *Behavioural Brain Research*. doi: <https://doi.org/10.1016/j.bbr.2018.07.022>.
<http://www.sciencedirect.com/science/article/pii/S0166432818306053>

Bastidas, J., Athauda, G., De La Cruz, G., Chan, W.-M., Golshani, R., Berrocal, Y., . . . Pearse, D. D. (2017). Human schwann cells exhibit long-term cell survival, are not tumorigenic and promote repair when transplanted into the contused spinal cord. *Glia*, n/a-n/a. doi: 10.1002/glia.23161. <http://dx.doi.org/10.1002/glia.23161>

Bastug, O., Sonmez, M. F., Ozturk, M. A., Korkmaz, L., Kesici, H., Cilenk, K. T., . . . Bastug, F. (2019). Effects of Lycopene in Hyperoxia-Induced Lung Injury in Newborn Rats. *International Journal for Vitamin and Nutrition Research*. doi: <https://econtent.hogrefe.com/doi/abs/10.1024/0300-9831/a000238?journalCo...>

Batalha, V. L., Pego, J. M., Fontinha, B. M., Costenla, A. R., & Valadas, J. S. (2012). Adenosine A2A receptor blockade reverts hippocampal stress-induced deficits and restores corticosterone circadian oscillation. *Molecular Psychiatry*. doi.

Batchelor, P. E., Kerr, N. F., Gatt, A. M., Aleksoska, E., Cox, S. F., Ghasem-Zadeh, A., . . . Howells, D. W. (2010). Hypothermia prior to decompression: Buying time for treatment of acute spinal cord injury. *Journal of Neurotrauma*, 27(8), 1357-1368. doi.

Batchelor, P. E., Kerr, N. F., Gatt, A. M., Cox, S. F., Ghasem-Zadeh, A., Wills, T. E., . . . Howells, D. W. (2011). Intracanal Pressure in Compressive Spinal Cord Injury: Reduction with Hypothermia. *Journal of Neurotrauma*, 28(5), 809-820. doi.

Bateman, R. J., Xiong, C., Benzinger, T. L., Fagan, A. M., Goate, A., & Fox, N. C. (2012). Clinical and biomarker changes in dominantly inherited Alzheimer's disease. *New England Journal of Medicine*, 367. doi: 10.1056/NEJMoa1202753. <http://dx.doi.org/10.1056/NEJMoa1202753>

Bates, M. L., Puzis, R., & Bunge, M. B. (2011). Preparation of Spinal Cord Injured Tissue for Light and Electron Microscopy Including Preparation for Immunostaining. *Neuromethods*, 62, 381-399. doi.

Bath, K. G., Mandairon, N., Jing, D., Rajagopal, R., Kapoor, R., Chen, Z.-Y., . . . Lee, F. S. (2008). Variant Brain-Derived Neurotrophic Factor (Val66Met) Alters Adult Olfactory Bulb Neurogenesis and Spontaneous Olfactory Discrimination. *Journal of Neuroscience*, 28(10), 2383-2393. doi: 10.1523/Jneurosci.4387-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/10/2383>

Bath, K. G., Voss, H. U., Jing, D., Anderson, S., Hempstead, B., Lee, F. S., . . . Ballon, D. J. (2009). Quantitative intact specimen magnetic resonance microscopy at 3.0 T. *Magnetic Resonance Imaging*, 27(5), 672-680. doi:

Batterman, K. V., Cabrera, P. E., Moore, T. L., & Rosene, D. L. (2021). T Cells Actively Infiltrate the White Matter of the Aging Monkey Brain in Relation to Increased Microglial Reactivity and Cognitive Decline. [Original Research]. *Frontiers in Immunology*, 12(306). doi: 10.3389/fimmu.2021.607691. <https://www.frontiersin.org/article/10.3389/fimmu.2021.607691>

Baudin, A., Blot, K., Verney, C., Estevez, L., Santa-Maria, J., Gressens, P., . . . Naudon, L. (2012). Maternal deprivation induces deficits in temporal memory and cognitive flexibility and exaggerates synaptic plasticity in the rat medial prefrontal cortex. *Neurobiology of Learning and Memory*, (0). doi: 10.1016/j.nlm.2012.08.004. <http://www.sciencedirect.com/science/article/pii/S1074742712001098>

Bauernfeind, A. L., de Sousa, A. A., Avasthi, T., Dobson, S. D., Raghanti, M. A., Lewandowski, A. H., . . . Sherwood, C. C. (2013). A volumetric comparison of the insular cortex and its subregions in primates. *Journal of Human Evolution*, 64(4), 263-279. doi: <http://dx.doi.org/10.1016/j.jhevol.2012.12.003>. <http://www.sciencedirect.com/science/article/pii/S0047248413000183>

Baufeld, C., Osterloh, A., Prokop, S., Miller, K. R., & Heppner, F. L. (2016). High-fat diet-induced brain region-specific phenotypic spectrum of CNS resident microglia. [journal article]. *Acta Neuropathologica*, 1-15. doi: 10.1007/s00401-016-1595-4. <http://dx.doi.org/10.1007/s00401-016-1595-4>

Baulch, J. E., Acharya, M. M., Allen, B. D., Ru, N., Chmielewski, N. N., Martirosian, V., . . . Limoli, C. L. (2016). Cranial grafting of stem cell-derived microvesicles improves cognition and reduces neuropathology in the irradiated brain. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1521668113. <http://www.pnas.org/content/early/2016/03/30/1521668113.abstract>

Bauman, M. D., Schumann, C. M., Carlson, E. L., Taylor, S. L., Vázquez-Rosa, E., Cintrón-Pérez, C. J., . . . Pieper, A. A. (2018). Neuroprotective efficacy of P7C3 compounds in primate hippocampus. *Translational Psychiatry*, 8(1), 202. doi: 10.1038/s41398-018-0244-1. <https://doi.org/10.1038/s41398-018-0244-1>

Baumhardt, P., Moore, B., Doppler, M., & Fernández-Juricic, E. (2014). Do American Goldfinches See Their World Like Passive Prey Foragers? A Study on Visual Fields, Retinal

Topography, and Sensitivity of Photoreceptors. *Brain, Behavior and Evolution*. doi: <http://www.karger.com/Article/Abstract/357750>

Baxter, V. K., Glowinski, R., Braxton, A. M., Potter, M. C., Slusher, B. S., & Griffin, D. E. (2017). Glutamine antagonist-mediated immune suppression decreases pathology but delays virus clearance in mice during nonfatal alphavirus encephalomyelitis. *Virology*, 508, 134-149. doi: <https://doi.org/10.1016/j.virol.2017.05.013>.
<http://www.sciencedirect.com/science/article/pii/S0042682217301629>

Baydyuk, M., Nguyen, M. T., & Xu, B. (2011). Chronic deprivation of TrkB signaling leads to selective late-onset nigrostriatal dopaminergic degeneration. *Experimental Neurology*, 228(1), 118-125. doi.

Baydyuk, M., Russell, T., Liao, G.-Y., Zang, K., An, J. J., Reichardt, L. F., & Xu, B. (2011). TrkB receptor controls striatal formation by regulating the number of newborn striatal neurons. *Proceedings of the National Academy of Sciences*, 108(4), 1669-1674. doi: 10.1073/Proceedings of the National Academy of Sciences.1004744108. <http://www.Proceedings of the National Academy of Sciences.org/content/108/4/1669.abstract>

Baydyuk, M., Xie, Y., Tessarollo, L., & Xu, B. (2013). Midbrain-Derived Neurotrophins Support Survival of Immature Striatal Projection Neurons. *Journal of Neuroscience*, 33(8), 3363-3369. doi: 10.1523/jneurosci.3687-12.2013. <http://www.jneurosci.org/content/33/8/3363.abstract>

Bayir, Y., Halici, Z., Karakus, E., Albayrak, A., Ferah, I., Kabalar, E., ... Unal, B. (2012). Comparing Effects of Lacidipine, Ramipril, and Valsartan Against Experimentally Induced Myocardial Infarcted Rats. *Cardiovascular Toxicology*, 1-9. doi.

Bayliss, J. A., Lemus, M., Santos, V. V., Deo, M., Elsworth, J., & Andrews, Z. B. (2016). Acylated but not des-acyl ghrelin is neuroprotective in an MPTP mouse model of Parkinson's Disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13576. <http://dx.doi.org/10.1111/jnc.13576>

Bayliss, J. A., Lemus, M. B., Santos, V. V., Deo, M., Davies, J. S., Kemp, B. E., ... Andrews, Z. B. (2016). Metformin Prevents Nigrostriatal Dopamine Degeneration Independent of AMPK Activation in Dopamine Neurons. *Plos one*, 11(7), e0159381. doi: 10.1371/journal.pone.0159381. <http://dx.doi.org/10.1371%2Fjournal.pone.0159381>

Bayliss, J. A., Lemus, M. B., Stark, R., Santos, V. V., Thompson, A., Rees, D. J., ... Davies, J. S. (2016). Ghrelin-AMPK Signaling Mediates the Neuroprotective Effects of Calorie Restriction in Parkinson's Disease. *The Journal of Neuroscience*, 36(10), 3049-3063. doi: <http://www.jneurosci.org/content/36/10/3049.abstract>

Bazrafkan, M., Panahi, M., Saki, G., Ahangarpour, A., & Zaeimzadeh, N. (2010). Effect of aqueous extract of *Ruta graveolens* on spermatogenesis of adult rats. *International Journal of Pharmacology*, 6(6), 926-929. doi.

Bazzigaluppi, P., Beckett, T. L., Koletar, M. M., Lai, A. Y., Joo, I. L., Brown, M. E., ... Stefanovic, B. (2017). Early stage attenuation of phase amplitude coupling in the hippocampus and

medial prefrontal cortex in a transgenic rat model of AD. *Journal of Neurochemistry*, n/a- n/a. doi: 10.1111/jnc.14136. <http://dx.doi.org/10.1111/jnc.14136>

Beach, L. Q., & Wade, J. (2015). Masculinization of the Zebra Finch Song System: Roles of Oestradiol and the Z-chromosome Gene Tubulin Specific Chaperone Protein A. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12267. <http://dx.doi.org/10.1111/jne.12267>

Bearer, E. L., Manifold-Wheeler, B. C., Medina, C. S., Gonzales, A., Chaves, F., & Jacobs, R. E. (2018). Alterations of functional circuitry in aging brain and the impact of mutated APP expression. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2018.06.018>.
<http://www.sciencedirect.com/science/article/pii/S0197458018302239>

Beaudet, M. J., Rueda, N., Kobinger, G. P., Villeneuve, J., & Vallières, L. (2010). Construction of a ganciclovir-sensitive lentiviral vector to assess the influence of angiotensin-3 and soluble Tie2 on glioma growth. *Journal of Neuro-Oncology*, 99(1), 1-11. doi.

Bebber, M. R. (2017). Tempered strength: A controlled experiment assessing opportunity costs of adding temper to clay. *Journal of Archaeological Science*, 86, 1-13. doi: <http://dx.doi.org/10.1016/j.jas.2017.08.002>.
<http://www.sciencedirect.com/science/article/pii/S0305440317301164>

Beck, K. D., Nguyen, H. X., Galvan, M. D., Salazar, D. L., Woodruff, T. M., & Anderson, A. J. (2010). Quantitative analysis of cellular inflammation after traumatic spinal cord injury: evidence for a multiphasic inflammatory response in the acute to chronic environment. *Brain*, awp322. doi: 10.1093/brain/awp322. <http://brain.oxfordjournals.org/cgi/content/abstract/awp322v1>

Beck, L. A., O'Bryant, E. L., & Wade, J. S. (2008). Sex and seasonal differences in morphology of limbic forebrain nuclei in the green anole lizard. *Brain Research*, 1227, 68-75. doi.

Beck, L. A., & Wade, J. (2009). Effects of estradiol, sex, and season on estrogen receptor alpha mRNA expression and forebrain morphology in adult green anole lizards. *Neuroscience*, 160(3), 577-586. doi.

Beck, L. A., & Wade, J. (2009). Morphology and estrogen receptor α mRNA expression in the developing green anole forebrain. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*, 311(3), 162-171. doi.

Beck, M. H., Haumesser, J. K., Kühn, J., Altschüler, J., Kühn, A. A., & van Riesen, C. (2016). Short- and long-term dopamine depletion causes enhanced beta oscillations in the cortico- basal ganglia loop of parkinsonian rats. *Experimental Neurology*, 286, 124-136. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.10.005>. <http://www.sciencedirect.com/science/article/pii/S0014488616303259>

Becker, D., Gary, D. S., Rosenzweig, E. S., Grill, W. M., & McDonald, J. W. (2010). Functional electrical stimulation helps replenish progenitor cells in the injured spinal cord of adult rats. *Experimental Neurology*, 222(2), 211-218. doi.

Becknell, B., Carpenter, A. R., Allen, J. L., Wilhide, M. E., Ingraham, S. E., Hains, D. S., & McHugh, K. M. (2013). Molecular Basis of Renal Adaptation in a Murine Model of Congenital Obstructive Nephropathy. *Plos one*, 8(9), e72762. doi: 10.1371/journal.pone.0072762. <http://dx.doi.org/10.1371%2Fjournal.pone.0072762>

Bédard, C., Wallman, M. J., Pourcher, E., Gould, P. V., Parent, A., & Parent, M. (2011). Serotonin and dopamine striatal innervation in Parkinson's disease and Huntington's chorea. *Parkinsonism and Related Disorders*. doi.

Beed, P., Ray, S., Velasquez, L. M., Stumpf, A., Parthier, D., Swaminathan, A., . . . Schmitz, D. (2020). Species-specific differences in synaptic transmission and plasticity. *Scientific Reports*, 10(1), 16557. doi: 10.1038/s41598-020-73547-6. <https://doi.org/10.1038/s41598-020-73547-6>

Beers, D. R., Henkel, J. S., Xiao, Q., Zhao, W., Wang, J., Yen, A. A., . . . Appel, S. H. (2006). Wild-type microglia extend survival in PU.1 knockout mice with familial amyotrophic lateral sclerosis. *Proceedings of the National Academy of Sciences*, 103(43), 16021-16026. doi: 10.1073/Proceedings of the National Academy of Sciences.0607423103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/43/16021>

Beers, D. R., Ho, B.-K., Siklos, L., Alexianu, M. E., Mosier, D. R., Mohamed, A. H., . . . Appel, S. H. (2001). Parvalbumin overexpression alters immune-mediated increases in intracellular calcium, and delays disease onset in a transgenic model of familial amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 79(3), 499-509. doi: doi:10.1046/j.1471-4159.2001.00582.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2001.00582.x>

Beesley, S., Sullenberger, T., Crotty, K., Ailani, R., D'Orio, C., Evans, K., . . . Kumar, S. S. (2020). D-serine mitigates cell loss associated with temporal lobe epilepsy. *Nature Communications*, 11(1), 4966. doi: 10.1038/s41467-020-18757-2. <https://doi.org/10.1038/s41467-020-18757-2>

Behrouz, B., Drolet, R. E., Sayed, Z. A., Lookingland, K. J., & Goudreau, J. L. (2007). Unique responses to mitochondrial complex I inhibition in tuberoinfundibular dopamine neurons may impart resistance to toxic insult. *Neuroscience*, 147(3), 592-598. doi.

Beig, M. I., Dampney, B. W., & Carrive, P. (2014). Both ox1r and ox2r orexin receptors contribute to the cardiovascular and locomotor components of the novelty stress response in the rat. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2014.09.012>. <http://www.sciencedirect.com/sci/ence/article/pii/S0028390814003190>

Bekar, E., Altunkaynak, B., Balci, K., Aslan, G., Ayyildiz, M., & Kaplan, S. (2014). Effects of high fat diet induced obesity on peripheral nerve regeneration and levels of GAP 43 and TGF- β in rats. *Biotechnic and Histochemistry*, 0(0), 1-11. doi: doi:10.3109/10520295.2014.894575. <http://informahealthcare.com/doi/abs/10.3109/10520295.2014.894575>

Bekinschtein, P., Kent, B. A., Oomen, C. A., Clemenson, G. D., Gage, F. H., Saksida, L. M., & Bussey, T. J. (2014). BDNF interacts with adult-born immature cells in the dentate gyrus during consolidation of overlapping memories. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22304. <http://dx.doi.org/10.1002/hipo.22304>

Beldick, S. R., Hong, J., Altamentova, S., Khazaei, M., Hundal, A., Zavvarian, M.-M., . . . Fehlings, M. G. (2018). Severe-combined immunodeficient rats can be used to generate a model of perinatal hypoxic-ischemic brain injury to facilitate studies of engrafted human neural stem cells. *Plos one*, 13(11). doi: <https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=sit..>

Bellavance, M.-A., Gosselin, D., Yong, V. W., Stys, P., & Rivest, S. (2014). Patrolling monocytes play a critical role in CX3CR1-mediated neuroprotection during excitotoxicity. *Brain Structure and Function*, 1-18. doi: 10.1007/s00429-014-0759-z. <http://dx.doi.org/10.1007/s00429-014-0759-z>

Belliveau, S., Kang, W., Bovaird, S., Hamadjida, A., Bédard, D., Dancause, N., . . . Huot, P. (2021). Stereological investigation of 5-HT₃ receptors in the substantia nigra and dorsal raphe nucleus in the rat. *Journal of Chemical Neuroanatomy*, 111, 101881. doi: <https://doi.org/10.1016/j.jchemneu.2020.101881>. <http://www.sciencedirect.com/science/article/pii/S0891061820301502>

Bellozi, P. M. Q., Gomes, G. F., Machado da Silva, M. C., Vieira de Assis Lima, I., Batista, C. R. A., de Oliveira Carneiro Junior, W., . . . de Oliveira, A. C. P. (2019). A positive allosteric modulator of mGluR5 promotes neuroprotective effects in mice models of Alzheimer's disease. *Neuropharmacology*, 107785. doi: <https://doi.org/10.1016/j.neuropharm.2019.107785>. <http://www.sciencedirect.com/science/article/pii/S0028390819303430>

Belnoue, L., Grosjean, N., Abrous, D. N., & Koehl, M. (2011). A Critical Time Window for the Recruitment of Bulbar Newborn Neurons by Olfactory Discrimination Learning. *Journal of Neuroscience*, 31(3), 1010-1016. doi: 10.1523/jneurosci.3941-10.2011. <http://www.jneurosci.org/cgi/content/abstract/31/3/1010>

Belnoue, L., Grosjean, N., Ladevèze, E., Abrous, D. N., & Koehl, M. (2013). Prenatal Stress Inhibits Hippocampal Neurogenesis but Spares Olfactory Bulb Neurogenesis. *Plos one*, 8(8), e72972. doi: 10.1371/journal.pone.0072972. <http://dx.doi.org/10.1371%2Fjournal.pone.0072972>

Belnoue, L., Malvaut, S., Ladevèze, E., Abrous, D. N., & Koehl, M. (2016). Plasticity in the olfactory bulb of the maternal mouse is prevented by gestational stress. [Article]. *Scientific Reports*, 6, 37615. doi: 10.1038/srep37615. <http://dx.doi.org/10.1038/srep37615>

Ben Abdallah, N. M. B., Slomianka, L., & Lipp, H. P. (2007). Reversible effect of X-irradiation on proliferation, neurogenesis, and cell death in the dentate gyrus of adult mice. *Hippocampus*, 17(12), 1230-1240. doi.

Ben Abdallah, N. M. B., Slomianka, L., Vyssotski, A. L., & Lipp, H. P. (2010). Early age-related changes in adult hippocampal neurogenesis in C57 mice. *Neurobiology of Aging*, 31(1), 151-161. doi.

Ben Youssef, S., Brisson, G., Doucet-Beaupré, H., Castonguay, A.-M., Gora, C., Amri, M., & Lévesque, M. (2019). Neuroprotective benefits of grape seed and skin extract in a mouse model of Parkinson's disease. *Nutritional Neuroscience*, 1-15. doi: 10.1080/1028415x.2019.1616435. <https://doi.org/10.1080/1028415x.2019.1616435>

Benarroch, E., Schmeichel, A., Low, P., & Parisi, J. (2013). Parabrachial nucleus involvement in multiple system atrophy. *Autonomic Neuroscience*. doi.

Benarroch, E. E., Schmeichel, A. M., Dugger, B. N., Sandroni, P., Parisi, J. E., & Low, P. A. (2009). Dopamine cell loss in the periaqueductal gray in multiple system atrophy and Lewy body dementia. *Neurology*, 73(2), 106-112. doi: 10.1212/WNL.0b013e3181ad53e7. http://www.neurology.org/cgi/content/abstract/73/2/1_06

Benarroch, E. E., Schmeichel, A. M., Low, P. A., & Parisi, J. E. (2010). Differential involvement of the periaqueductal gray in multiple system atrophy. *Autonomic Neuroscience*, 158(1-2), 111-117. doi.

Benarroch, E. E., Schmeichel, A. M., Parisi, J. E., & Low, P. A. (2015). Histaminergic tuberomammillary neuron loss in multiple system atrophy and dementia with Lewy bodies. *Movement Disorders*, n/a-n/a. doi: 10.1002/mds.26287. <http://dx.doi.org/10.1002/mds.26287>

Benarroch, E. E., Schmeichel, A. M., Parisi, J. E., & Low, P. A. (2015). Histaminergic tuberomammillary neuron loss in multiple system atrophy and dementia with Lewy bodies. *Movement Disorders*, n/a-n/a. doi: 10.1002/mds.26287. <http://dx.doi.org/10.1002/mds.26287>

Benavente, F., Piltti, K. M., Hooshmand, M. J., Nava, A. A., Lakatos, A., Feld, B. G., . . . Anderson, A. (2020). Novel C1q receptor-mediated signaling controls neural stem cell behavior and neurorepair. *eLife*, 9, e55732. doi: 10.7554/eLife.55732. <https://doi.org/10.7554/eLife.55732>

Bender, A., Desplats, P., Spencer, B., Rockenstein, E., Adame, A., Elstner, M., . . . Masliah, E. (2013). TOM40 Mediates Mitochondrial Dysfunction Induced by α -Synuclein Accumulation in Parkinson's Disease. *Plos one*, 8(4), e62277. doi: 10.1371/journal.pone.0062277. <http://dx.doi.org/10.1371%2Fjournal.pone.0062277>

Benedict, A. L., Mountney, A., Hurtado, A., Bryan, K. E., Schnaar, R., Dinkova-Kostova, A. T., & Talalay, P. (2012). Neuroprotective Effects of Sulforaphane after Contusive Spinal Cord Injury. *Journal of Neurotrauma*, (ja). doi.

Benner, E. J., Banerjee, R., Reynolds, A. D., Sherman, S., Pisarev, V. M., Tshiperson, V., . . . others. (2008). Nitrated α -Synuclein Immunity Accelerates Degeneration of Nigral Dopaminergic Neurons. *PLoS ONE*, 3(1), e1376-e1376. doi.

Benner, E. J., Mosley, R. L., Destache, C. J., Lewis, T. B., Jackson-Lewis, V., Gorantla, S., . . . Gendelman, H. E. (2004). Therapeutic immunization protects dopaminergic neurons in a mouse model of Parkinson's disease. *Proceedings of the National Academy of Sciences*, 101(25), 9435-9440. doi: <http://www.Proceedings.org/cgi/content/abstract/101/25/9435>

Bennett, D. A., Schneider, J. A., Tang, Y., Arnold, S. E., & Wilson, R. S. (2006). The effect of social networks on the relation between Alzheimer's disease pathology and level of cognitive function in old people: a longitudinal cohort study. *Lancet Neurology*, 5(5), 406-412. doi.

Bennett, D. A., Schneider, J. A., Wilson, R. S., Bienias, J. L., & Arnold, S. E. (2004). Neurofibrillary Tangles Mediate the Association of Amyloid Load With Clinical Alzheimer Disease and Level of Cognitive Function. *Archives of Neurology*, 61. doi.

Bennett, D. A., Schneider, J. A., Wilson, R. S., Bienias, J. L., Berry-Kravis, E., & Arnold, S. E. (2005). Amyloid mediates the association of apolipoprotein E e4 allele to cognitive function in older people *Journal of Neurology*, 76, 1194-1199. doi.

Bennett, D. A., Wilson, R. S., Boyle, P. A., Buchman, A. S., & Schneider, J. A. (2012). Relation of neuropathology to cognition in persons without cognitive impairment. *Annals of Neurology*. doi.

Bennett, R. E., & Brody, D. L. (2014). Acute Reduction of Microglia Does Not Alter Axonal Injury In a Mouse Model of Repetitive Concussive Traumatic Brain Injury. *Journal of Neurotrauma*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3320>

Bennett, R. E., Esparza, T. J., Lewis, H. A., Kim, E., Mac Donald, C. L., Sullivan, P. M., & Brody, D. L. (2013). Human Apolipoprotein E4 Worsens Acute Axonal Pathology but Not Amyloid-A Immunoreactivity After Traumatic Brain Injury in 3xTG-AD Mice. *Journal of Neuropathology and Experimental Neurology*, 72(5). doi.

Benneyworth, M. A., Li, Y., Basu, A. C., Bolshakov, V. Y., & Coyle, J. T. (2012). Cell Selective Conditional Null Mutations of Serine Racemase Demonstrate a Predominate Localization in Cortical Glutamatergic Neurons. *Cellular and Molecular Neurobiology*, 1-12. doi.

Benneyworth, M. A., Roseman, A. S., Basu, A. C., & Coyle, J. T. (2011). Failure of NMDA receptor hypofunction to induce a pathological reduction in PV-positive GABAergic cell markers. *Neuroscience Letters*, 488(3), 267-271. doi.

Benraiss, A., Bruel-Jungerman, E., Lu, G., Economides, A. N., Davidson, B., & Goldman, S. A. (2011). Sustained induction of neuronal addition to the adult rat neostriatum by AAV4-delivered noggin and BDNF. *Gene Therapy*. doi.

Benraiss, A., Wang, S., Herrlinger, S., Li, X., Chandler-Militello, D., Mauceri, J., . . . Goldman, S. A. (2016). Human glia can both induce and rescue aspects of disease phenotype in Huntington disease. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms11758. <http://dx.doi.org/10.1038/ncomms11758>

Benskey, M., Lee, K. Y., Parikh, K., Lookingland, K. J., & Goudreau, J. L. (2013). Sustained resistance to acute MPTP toxicity by hypothalamic dopamine neurons following chronic neurotoxicant exposure is associated with sustained up-regulation of parkin protein. *Neurotoxicology*, (0).

doi: <http://dx.doi.org/10.1016/j.neuro.2013.04.002>.

<http://www.sciencedirect.com/science/article/pii/S0161813X13000545>

Benskey, M., Sandoval, I. M., & Manfredsson, F. P. (2016). Continuous Collection of AAV from Producer Cell Media Significantly Increases Total Viral Yield. *Human Gene Therapy Methods*. doi:

10.1089/hgtb.2015.117. <http://online.liebertpub.com/doi/abs/10.1089/hgtb.2015.117>

Bento-Torres, J., Sobral, L. L., Reis, R. R., de Oliveira, R. B., Anthony, D. C., Vasconcelos, P. F. C., . . . o Diniz, C. W. (2017). Age and Environment Influences on Mouse Prion Disease Progression: Behavioral Changes and Morphometry and Stereology of Hippocampal Astrocytes. *Oxidative Medicine and Cellular Longevity*, 2017, 18. doi: 10.1155/2017/4504925. <https://doi.org/10.1155/2017/4504925>

Beraldi, R., Chan, C.-H., Rogers, C. S., Kovács, A. D., Meyerholz, D. K., Trantzas, C., . . . Pearce, D. A. (2015). A novel porcine model of Ataxia Telangiectasia reproduces neurological features and motor deficits of human disease. *Human Molecular Genetics*. doi: 10.1093/hmg/ddv356.

<http://hmg.oxfordjournals.org/content/early/2015/09/15/hmg.ddv.356.abstract>

Bereket, C., Özcan, F., Sener, I., Tek, M., Altunkaynak, B. Z., Semirgin, S. U., . . . Özdemir, M. (2014). Propolis Accelerates the Consolidation Phase in Distraction Osteogenesis. *Journal of Craniofacial Surgery*, 25(5), 1912-1916 1910.1097/SCS.0000000000000946.

doi: <http://journals.lww.com/jcraniofacialsurgery/Fulltext/2014/09000/Propoli...>

Berg, J., Roch, M., Altschüler, J., Winter, C., Schwerk, A., Kurtz, A., & Steiner, B. (2014). Human adipose-Derived Mesenchymal Stem Cells Improve Motor Functions and are Neuroprotective in the 6-Hydroxydopamine-Rat Model for Parkinson's Disease when Cultured in Monolayer Cultures but Suppress Hippocampal Neurogenesis and Hippocampal Memory Function when Cultured in Spheroids. *Stem Cell Reviews and Reports*, 1-17. doi: 10.1007/s12015-014-9551-y. <http://dx.doi.org/10.1007/s12015-014-9551-y>

Berggren, K. L., Chen, J., Fox, J., Miller, J., Dodds, L., Dugas, B., . . . Fox, J. H. (2015). Neonatal iron supplementation potentiates oxidative stress, energetic dysfunction and neurodegeneration in the R6/2 mouse model of Huntington's disease. *Redox Biology*, 4(0), 363-374.

doi: <http://dx.doi.org/10.1016/j.redox.2015.02.002>.

<http://www.sciencedirect.com/science/article/pii/S2213231715000208>

Berggren, K. L., Lu, Z., Fox, J. A., Dudenhoefter, M., Agrawal, S., & Fox, J. H. (2016). Neonatal iron supplementation induces striatal atrophy in female YAC128 Huntington's disease mice. *Journal of Huntington's Disease*, (Preprint), 1-11.

doi: <http://content.iospress.com/articles/journal-of-huntingtons-disease/jhd1...>

Bergkvist, L., Johnson, M. E., Mercado, G., Steiner, J. A., Meyerdirk, L., Schulz, E., . . . Brundin, P. (2021). An extended release GLP-1 analogue increases α -synuclein accumulation in a mouse model of prodromal Parkinson's disease. *Experimental Neurology*, 341, 113693.

doi: <https://doi.org/10.1016/j.expneurol.2021.113693>.

<https://www.sciencedirect.com/science/article/pii/S0014488621000984>

Bernabeu, R., Yang, T., Xie, Y., Mehta, B., Ma, S. Y., & Longo, F. M. (2006). Downregulation of the LAR protein tyrosine phosphatase receptor is associated with increased dentate gyrus neurogenesis and an increased number of granule cell layer neurons. *Molecular Cellular Neuroscience*, 31, 723-738. doi.

Bernardes, D., Brambilla, R., Bracchi-Ricard, V., Karmally, S., Dellarole, A., Carvalho-Tavares, J., & Bethea, J. R. (2015). Prior regular exercise improves clinical outcome and reduces demyelination and axonal injury in experimental autoimmune encephalomyelitis. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13354.

<http://dx.doi.org/10.1111/jnc.13354>

Bernardes, D., Oliveira-Lima, O. C., da Silva, T. V., Faraco, C. C. F., Leite, H. R., Juliano, M. A., . . . Carvalho-Tavares, J. (2013). Differential brain and spinal cord cytokine and BDNF levels in experimental autoimmune encephalomyelitis are modulated by prior and regular exercise. *Journal of Neuroimmunology*, (0).

doi: <http://dx.doi.org/10.1016/j.jneuroim.2013.08.014>.

<http://www.sciencedirect.com/science/article/pii/S0165572813002373>

Bernatz, S., Ilina, E. I., Devraj, K., Harter, P. N., Mueller, K., Kleber, S., . . . Mittelbronn, M. (2019). Impact of Docetaxel on blood-brain barrier function and formation of breast cancer brain metastases. *Journal of Experimental and Clinical Cancer Research*, 38(1), 434. doi: 10.1186/s13046-019-1427-1. <https://doi.org/10.1186/s13046-019-1427-1>

Bernedo, V., Insua, D., Suárez, M. L., Santamarina, G., Sarasa, M., & Pesini, P. (2009). 'Beta' amyloid cortical deposits are accompanied by the loss of serotonergic neurons in the dog. *Journal of Comparative Neurology*, 513(4), 417-429. doi.

Bernstein, A. I., Garrison, S. P., Zambetti, G. P., & O'Malley, K. L. (2011). 6-OHDA generated ROS induces DNA damage and p53-and PUMA-dependent cell death. *Molecular Neurodegeneration*, 6(1), 2-2. doi.

Bernstein, A. I., & O'Malley, K. L. (2013). MPP⁺-induces PUMA- and p53-dependent, but ATF3- independent cell death. *Toxicology Letters*, (0).

doi: <http://dx.doi.org/10.1016/j.toxlet.2013.03.003>.

<http://www.sciencedirect.com/science/article/pii/S037842741300101X>

Bernstein, H. S., Samad, T., Cholsiripunlert, S., Khalifian, S., Gong, W., Ritner, C., . . . Bennett, S. (2013). Stem Cell Antigen-1 in Skeletal Muscle Function. *PLoS currents*, 5.

doi: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3770837/>

Bernstein, S. L., Mehrabyan, Z., Guo, Y., & Moianie, N. (2007). Estrogen is not neuroprotective in a rodent model of optic nerve stroke. *Molecular Vision*, 13, 1920-1925. doi.

Bernstock, J. D., Lee, Y.-j., Peruzzotti-Jametti, L., Southall, N., Johnson, K. R., Maric, D., . . . Hallenbeck, J. M. (2015). A novel quantitative high-throughput screen identifies drugs that both activate SUMO conjugation via the inhibition of microRNAs 182 and 183 and facilitate neuroprotection in a model of oxygen and glucose deprivation. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678X15609939. <http://jcb.sagepub.com/content/early/2015/10/20/0271678X15609939.abstract>

Berretta, S., Pantazopoulos, H., & Lange, N. (2007). Neuron numbers and volume of the amygdala in subjects diagnosed with bipolar disorder or schizophrenia. *Biological Psychiatry*, 62(8), 884-893. doi:

Berrocal, Y. A., Almeida, V. W., Gupta, R., & Levi, A. D. (2013). Transplantation of Schwann cells in a collagen tube for the repair of large, segmental peripheral nerve defects in rats. *Journal of Neurosurgery*, 0(0), 1-13. doi: doi:10.3171/2013.4.JNS121189. <http://thejns.org/doi/abs/10.3171/2013.4.JNS121189>

Berry, A., Amrein, I., Nötzli, S., Lazic, S. E., Bellisario, V., Giorgio, M., . . . Cirulli, F. (2012). Sustained hippocampal neurogenesis in females is amplified in P66Shc^{-/-} mice: An animal model of healthy aging. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22042. <http://dx.doi.org/10.1002/hipo.22042>

Berthet, A., Margolis, E. B., Zhang, J., Hsieh, I., Zhang, J., Hnasko, T. S., . . . Huang, E. J. (2014). Loss of Mitochondrial Fission Depletes Axonal Mitochondria in Midbrain Dopamine Neurons. *The Journal of Neuroscience*, 34(43), 14304-14317. doi: <http://www.jneurosci.org/content/34/43/14304.short>

Berton, O., Espallergues, J., Teegarden, S., Veerakumar, A., & Interest, C. (2012). HDAC6 regulates GR signaling in serotonin pathways with critical impact on stress resilience. *Journal of Neuroscience*. doi:

Bertrand, A., Khan, U., Hoang, D. M., Novikov, D. S., Krishnamurthy, P., Rajamohamed Sait, H. B., . . . Wadghiri, Y. Z. (2012). Non-invasive, in vivo monitoring of neuronal transport impairment in a mouse model of tauopathy using MEMRI. *Neuroimage*, (0). doi: 10.1016/j.neuroimage.2012.08.065. <http://www.sciencedirect.com/science/article/pii/S1053811912008749>

Bessa, J., Morais, M., Marques, F., Pinto, L., Palha, J., Almeida, O., & Sousa, N. (2013). Stress-induced anhedonia is associated with hypertrophy of medium spiny neurons of the nucleus accumbens. *Translational Psychiatry*, 3(6), e266. doi: <http://www.nature.com/tp/journal/v3/n6/abs/tp201339a.html>

Bessa, J. M., Ferreira, D., Melo, I., Marques, F., Cerqueira, J. J., Palha, J. A., . . . Sousa, N. (2008). The mood-improving actions of antidepressants do not depend on neurogenesis but are associated with neuronal remodeling. *Molecular Psychiatry*. doi:

Bethea, C. L., Coleman, K., Phu, K., Reddy, A. P., & Phu, A. (2014). Relationships between androgens, serotonin gene expression and innervation in male macaques. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.05.056>.
<http://www.sciencedirect.com/science/article/pii/S0306452214004643>

Bethea, C. L., Kim, A., Reddy, A. P., Chin, A., Weraky, S. C., & Cameron, J. L. (2014). Hypothalamic KISS1 Expression, GnRH, and Neurotransmitter Innervation Vary with Stress and Sensitivity in Macaques. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12146. <http://dx.doi.org/10.1111/jne.12146>

Betschart, C., Scheiner, D., Maake, C., Vich, M., Slomianka, L., Fink, D., & Perucchini, D. (2008). Histomorphological analysis of the urogenital diaphragm in elderly women: a cadaver study. *International Urogynecology Journal*, 19(11), 1477-1481. doi.

Beurel, E., & Jope, R. S. (2008). Differential regulation of STAT family members by glycogen synthase kinase-3. *Journal of Biological Chemistry*, 283. doi: 10.1074/jbc.M802481200. <http://dx.doi.org/10.1074/jbc.M802481200>

Beurel, E., & Jope, R. S. (2009). Lipopolysaccharide-induced interleukin-6 production is controlled by glycogen synthase kinase-3 and STAT3 in the brain. *J Neuroinflammation*, 6. doi: 10.1186/1742-2094-6-9. <http://dx.doi.org/10.1186/1742-2094-6-9>

Beurel, E., & Jope, R. S. (2010). Glycogen synthase kinase-3 regulates inflammatory tolerance in astrocytes. *Neuroscience*, 169. doi: 10.1016/j.neuroscience.2010.05.044. <http://dx.doi.org/10.1016/j.neuroscience.2010.05.044>

Bhaduri, B., Abhilash, P. L., & Alladi, P. A. (2018). Baseline striatal and nigral interneuronal protein levels in two distinct mice strains differ in accordance with their MPTP susceptibility. *Journal of Chemical Neuroanatomy*, 91, 46-54. doi: <https://doi.org/10.1016/j.jchemneu.2018.04.005>.
<http://www.sciencedirect.com/science/article/pii/S0891061818300413>

Bhagwandin, A., Debipersadh, U., Kaswera-Kyamakya, C., Gilissen, E., Rockland, K. S., Molnár, Z., & Manger, P. R. (2020). Distribution, number, and certain neurochemical identities of infracortical white matter neurons in the brains of three megachiropteran bat species. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24894. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24894>

Bhagwandin, A., Gravett, N., Hemingway, J., Oosthuizen, M. K., Bennett, N. C., Siegel, J. M., & Manger, P. R. (2011). Orexinergic neuron numbers in three species of African mole rats with rhythmic and arrhythmic chronotypes. *Neuroscience*. doi.

Bhatti, A. S., Hall, P., Ma, Z., Tao, R., & Isgor, C. (2007). Hippocampus modulates the behaviorally-sensitizing effects of nicotine in a rat model of novelty-seeking: Potential role for mossy fibers. *Hippocampus*, 17(10), 922-933. doi.

Bi, B., Salmaso, N., Komitova, M., Simonini, M. V., Silbereis, J., Cheng, E., . . . Vaccarino, F. M. (2011). Cortical Glial Fibrillary Acidic Protein-Positive Cells Generate Neurons after Perinatal Hypoxic Injury. *Journal of Neuroscience*, 31(25), 9205-9221. doi: 10.1523/jneurosci.0518-11.2011.
<http://www.jneurosci.org/content/31/25/9205.abstract>

Biamonte, F., Assenza, G., Marino, R., D'Amelio, M., Panteri, R., Caruso, D., . . . others. (2009). Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. *Neurobiology of Disease*, 36(1), 103-115. doi.

Biamonte, F., Latini, L., Giorgi, F. S., Zingariello, M., Marino, R., De Luca, R., . . . Keller, F. (2014). Associations among exposure to methylmercury, reduced Reelin expression, and gender in the cerebellum of developing mice. *Neurotoxicology*, 45(0), 67-80. doi: <http://dx.doi.org/10.1016/j.neuro.2014.09.006>. <http://www.sciencedirect.com/science/article/pii/S0161813X14001685>

Biamonte, F., Sica, G., Filippini, A., & D'Alessio, A. (2021). Evidence of Reelin Signaling in GBM and Its Derived Cancer Stem Cells. *Brain Sciences*, 11(6), 745. doi. <https://www.mdpi.com/2076-3425/11/6/745>

Bian, M., Liu, J., Hong, X., Yu, M., Huang, Y., Sheng, Z., . . . Huang, F. (2012). Overexpression of Parkin Ameliorates Dopaminergic Neurodegeneration Induced by 1- Methyl-4-Phenyl- 1,2,3,6-Tetrahydropyridine in Mice. *Plos one*, 7(6), e39953. doi: 10.1371/journal.pone.0039953. <http://dx.doi.org/10.1371%2Fjournal.pone.0039953>

Bianchi, S., Stimpson, C. D., Duka, T., Larsen, M. D., Janssen, W. G. M., Collins, Z., . . . Sherwood, C. C. (2013). Synaptogenesis and development of pyramidal neuron dendritic morphology in the chimpanzee neocortex resembles humans. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1301224110. http://www.pnas.org/content/early/2013/06/04/1301224110.ab_struct

Bible, E., Gupta, P., Hofmann, S. L., & Cooper, J. D. (2004). Regional and cellular neuropathology in the palmitoyl protein thioesterase-1 null mutant mouse model of infantile neuronal ceroid lipofuscinosis. *Neurobiology of Disease*, 16(2), 346-359. doi.

Bickford, P. C., Bowenkamp, K., Taglialatela, G., Hoertig, G., & Granholm, A. C. (2001). GDNF improves cerebellar Purkinje neuron function in aged F344 rats. *Microscopy Research and Technique*, 54(5), 309-316. doi.

Bick-Sander, A., Steiner, B., Wolf, S. A., Babu, H., & Kempermann, G. (2006). Running in pregnancy transiently increases postnatal hippocampal neurogenesis in the offspring. *Proceedings of the National Academy of Sciences*, 103(10), 3852-3857. doi: 10.1073/Proceedings of the National Academy of Sciences.0502644103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/10/3852>

Biebl, M., Cooper, C. M., Winkler, J., & Kuhn, H. G. (2000). Analysis of neurogenesis and programmed cell death reveals a self-renewing capacity in the adult rat brain. *Neuroscience Letters*, 291(1), 17-20. doi.

Biebl, M., Winner, B., & Winkler, J. (2005). Caspase inhibition decreases cell death in regions of adult neurogenesis. *Neuroreport*, 16(11), 1147-1147. doi.

Biedermann, S., Fuss, J., Steinle, J., Auer, M., Dormann, C., Falfán-Melgoza, C., . . . Weber-Fahr, W. (2014). The hippocampus and exercise: histological correlates of MR-detected volume changes. *Brain Structure and Function*, 1-11. doi: 10.1007/s00429-014-0976-

5. <http://dx.doi.org/10.1007/s00429-014-0976-5>

Biedermann, S. V., Auer, M. K., Bindila, L., Ende, G., Lutz, B., Weber-Fahr, W., . . . Fuss, J. (2016). Restricted vs. unrestricted wheel running in mice: Effects on brain, behavior and endocannabinoids. *Hormones and Behavior*, 86, 45-54.

doi: <http://dx.doi.org/10.1016/j.yhbeh.2016.09.007>. <http://www.sciencedirect.com/science/article/pii/S0018506X16301799>

Bienkowski, M. S., & Rinaman, L. (2012). Common and distinct neural inputs to the medial central nucleus of the amygdala and anterior ventrolateral bed nucleus of stria terminalis in rats. *Brain Structure and Function*, 1-22. doi.

Bienkowski, M. S., Wendel, E. S., & Rinaman, L. (2013). Organization of multisynaptic circuits within and between the medial and central extended amygdala. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23356. <http://dx.doi.org/10.1002/cne.23356>

Biju, K. C., Zhou, Q., Li, G., Imam, S. Z., Roberts, J. L., Morgan, W. W., . . . Li, S. (2010). Macrophage-mediated GDNF delivery protects against dopaminergic neurodegeneration: a therapeutic strategy for Parkinson's disease. *Molecular Therapy*, 18(8), 1536-1544. doi.

Bilbo, S. D., Wieseler, J. L., Barrientos, R. M., Tsang, V., Watkins, L. R., & Maier, S. F. (2010). Neonatal bacterial infection alters fever to live and simulated infections in adulthood. *Psychoneuroendocrinology*, 35(3), 369-381. doi.

Bilella, A., Alvarez-Bolado, G., & Celio, M. R. (2014). Coaxiality of Foxb1- and parvalbumin- expressing neurons in the lateral hypothalamic PV1-nucleus. *Neuroscience Letters*, (0). doi: <http://dx.doi.org/10.1016/j.neulet.2014.02.028>. <http://www.sciencedirect.com/science/article/pii/S0304394014001323>

Bilella, A., Alvarez-Bolado, G., & Celio, M. R. (2016). The Foxb1-expressing neurons of the ventrolateral hypothalamic parvafox nucleus project to defensive circuits. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24057. <http://dx.doi.org/10.1002/cne.24057>

Bilella, A., Alvarez-Bolado, G., & Celio, M. R. (2016). The Foxb1-expressing neurons of the ventrolateral hypothalamic parvafox nucleus project to defensive circuits. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24057. <http://dx.doi.org/10.1002/cne.24057>

Billings, B. K., Bhagwandin, A., Patzke, N., Ngwenya, A., Rook, N., von Eugen, K., . . . Manger, P. R. (2020). Nuclear organization and morphology of catecholaminergic neurons and certain pallial terminal networks in the brain of the Nile crocodile, *Crocodylus niloticus*. *Journal of Chemical Neuroanatomy*, 109, 101851.

doi: <https://doi.org/10.1016/j.jchemneu.2020.101851>. <http://www.sciencedirect.com/science/article/pii/S0891061820301204>

Billings, J. L., Gordon, S. L., Rawling, T., Doble, P. A., Bush, A. I., Adlard, P. A., . . . Hare, D. J. (2019). L-DOPA modulates brain iron, dopaminergic neurodegeneration and motor dysfunction in iron overload and mutant alpha-synuclein mouse models of Parkinson's disease. *Journal of Neurochemistry*, 0(ja). doi: doi:10.1111/jnc.14676. <https://onlinelibrary.wiley.com/doi/abs/10.1111/jnc.14676>

Bingol, F., Yoruk, O., Bingol, B. O., Erdemci, B., Ozkan, O., & Mazlumoglu, M. R. (2015). Estimation of the efficacy of chemo-radiotherapy on tumor regression in the patients with laryngeal cancer via computerized tomography using the Cavalieri method. *Acta Oto-Laryngologica*, 1-4. doi: 10.3109/00016489.2015.1096958. <http://dx.doi.org/10.3109/00016489.2015.1096958>

Bird, C. W., Taylor, D. H., Pinkowski, N. J., Chavez, G. J., & Valenzuela, C. F. (2018). Long-term Reductions in the Population of GABAergic Interneurons in the Mouse Hippocampus following Developmental Ethanol Exposure. *Neuroscience*, 383, 60-73. doi: <https://doi.org/10.1016/j.neuroscience.2018.05.003>. <http://www.sciencedirect.com/science/article/pii/S0306452218303270>

Birjandi, S. Z., Abduljawad, N., Nair, S., Dehghani, M., Suzuki, K., Kimura, H., & Carmichael, S. T. (2020). Phosphodiesterase 10A Inhibition Leads to Brain Region-Specific Recovery Based on Stroke Type. *Translational Stroke Research*. doi: 10.1007/s12975-020-00819-8. <https://doi.org/10.1007/s12975-020-00819-8>

Birket, M. J., Orr, A. L., Gerencser, A. A., Madden, D. T., Vitelli, C., Swistowski, A., . . . Zeng, X. (2011). A reduction in ATP demand and mitochondrial activity with neural differentiation of human embryonic stem cells. *Journal of Cell Science*, 124(3), 348-358. doi: 10.1242/jcs.072272. <http://jcs.biologists.org/cgi/content/abstract/124/3/348>

Birkisdóttir, M. B., Jaarsma, D., Brandt, R. M. C., Barnhoorn, S., van Vliet, N., Imholz, S., . . . Dollé, M. E. T. (2021). Unlike dietary restriction, rapamycin fails to extend lifespan and reduce transcription stress in progeroid DNA repair-deficient mice. <https://doi.org/10.1111/accel.13302>. *Aging cell*, n/a(n/a), e13302. doi: <https://doi.org/10.1111/accel.13302>. <https://doi.org/10.1111/accel.13302>

Birkel, C., Carassiti, D., Hussain, F., Langkammer, C., Enzinger, C., Fazekas, F., . . . Ropele, S. (2017). Assessment of ferritin content in multiple sclerosis brains using temperature-induced R² changes. *Magnetic Resonance in Medicine*, n/a-n/a. doi: 10.1002/mrm.26780. <http://dx.doi.org/10.1002/mrm.26780>

Bischoff, S., Schmidt, M., Lehmann, T., Irintchev, A., Schubert, H., Jung, C., . . . Schiffner, R. (2016). Increase of cortical cerebral blood flow and further cerebral microcirculatory effects of Serelaxin in a sheep model. [10.1152/ajpheart.00118.2016]. *American Journal of Physiology* - Heart and Circulatory Physiology. doi: <http://ajpheart.physiology.org/content/early/2016/07/06/ajpheart.00118.2...>

Bishop, K. M., Hofer, E. K., Mehta, A., Ramirez, A., Sun, L., Tuszynski, M., & Bartus, R. T. (2008). Therapeutic potential of CERE-110 (AAV2-NGF): targeted, stable, and sustained NGF delivery and trophic activity on rodent basal forebrain cholinergic neurons. *Experimental Neurology*, 211(2), 574-584. doi:

Bisicchia, E., Latini, L., Cavallucci, V., Sasso, V., Nicolin, V., Molinari, M., . . . Viscomi, M. T. (2016). Autophagy Inhibition Favors Survival of Rubrospinal Neurons After Spinal Cord Hemisection. [journal article]. *Molecular Neurobiology*, 1-12. doi: 10.1007/s12035-016-0031-

z. <http://dx.doi.org/10.1007/s12035-016-0031-z>

Bisicchia, E., Sasso, V., Catanzaro, G., Leuti, A., Besharat, Z. M., Chiacchiarini, M., . . . Chiurchiù, V. (2018). Resolvin D1 Halts Remote Neuroinflammation and Improves Functional Recovery after Focal Brain Damage Via ALX/FPR2 Receptor-Regulated MicroRNAs. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-0889-z.

<https://doi.org/10.1007/s12035-018-0889-z>

Bissonnette, S., Muratot, S., Vernoux, N., Bezeau, F., Calon, F., Hébert, S. S., & Samadi, P. (2014). The effect of striatal pre-enkephalin overexpression in the basal ganglia of the 1- methyl-4- phenyl-1,2,3,6-tetrahydropyridine mouse model of Parkinson's disease. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12596.

<http://dx.doi.org/10.1111/ejn.12596>

Bissonnette, S., Vaillancourt, M., Hébert, S. S., Drolet, G., & Samadi, P. (2013). Striatal Pre-Enkephalin Overexpression Improves Huntington's Disease Symptoms in the R6/2 Mouse Model of Huntington's Disease. *Plos one*, 8(9), e75099.

doi. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3770591/>

Bittencourt, S., Ferrazoli, E., Valente, M. F., Romariz, S., Janisset, N. R. L. L., Macedo, C. E., . . . Mello, L. E. (2017). Modification of the natural progression of epileptogenesis by means of biperiden in the pilocarpine model of epilepsy. *Epilepsy Research*, 138(Supplement C), 88- 97.

doi: <https://doi.org/10.1016/j.eplepsyres.2017.10.019>.

<http://www.sciencedirect.com/science/article/pii/S092012117301262>

Bittle, J., & Stevens, H. E. (2018). The role of glucocorticoid, interleukin-1 β , and antioxidants in prenatal stress effects on embryonic microglia. [journal article]. *Journal of neuroinflammation*, 15(1), 44. doi: 10.1186/s12974-018-1079-

7. <https://doi.org/10.1186/s12974-018-1079-7>

Bjornsson, C. S., Lin, G., Al-Kofahi, Y., Narayanaswamy, A., Smith, K. L., Shain, W., & Roysam, B. (2008). Associative image analysis: a method for automated quantification of 3D multi-parameter images of brain tissue. *Journal of Neuroscience Methods*, 170(1), 165-178. doi.

Blackmore, D. G., Golmohammadi, M. G., Large, B., Waters, M. J., & Rietze, R. L. (2009). Exercise Increases Neural Stem Cell Number in a Growth Hormone-Dependent Manner, Augmenting the Regenerative Response in Aged Mice. *Stem Cells*, 27(8), 2044-2052. doi: 10.1002/stem.120.

<http://stemcells.alphamedpress.org/cgi/content/abstract/27/8/2044>

Blaiss, C. A., Yu, T.-S., Zhang, G., Chen, J., Dimchev, G., Parada, L. F., . . . Kernie, S. G. (2011). Temporally Specified Genetic Ablation of Neurogenesis Impairs Cognitive Recovery after Traumatic Brain Injury. *Journal of Neuroscience*, 31(13), 4906-4916. doi: 10.1523/jneurosci.5265-10.2011.

<http://www.jneurosci.org/content/31/13/4906.abstract>

Blakely, B. D., Bye, C. R., Fernando, C. V., Horne, M. K., Macheda, M. L., Stacker, S. A., . . . Parish, C. L. (2011). Wnt5a regulates midbrain dopaminergic axon growth and guidance. *PLoS ONE*, 6(3), e18373-e18373. doi.

Blanchard, J., Bolognin, S., Chohan, M. O., Rabe, A., Iqbal, K., & Grundke-Iqbal, I. (2011). Rescue of Synaptic Failure and Alleviation of Learning and Memory Impairments in a Trisomic Mouse Model of Down Syndrome. *Journal of Neuropathology and Experimental Neurology*, 70(12), 1070-1070. doi.

Bland, K. M., Aharon, A., Widener, E. L., Song, M. I., Casey, Z. O., Zuo, Y., & Vidal, G. S. (2021). FMRP regulates the subcellular distribution of cortical dendritic spine density in a non-cell-autonomous manner. *Neurobiology of Disease*, 150, 105253. doi: <https://doi.org/10.1016/j.nbd.2021.105253>.
<https://www.sciencedirect.com/science/article/pii/S0969996121000024>

Bland, S. T., Beckley, J. T., Young, S., Tsang, V., Watkins, L. R., Maier, S. F., & Bilbo, S. D. (2010). Enduring consequences of early-life infection on glial and neural cell genesis within cognitive regions of the brain. *Brain, Behavior, and Immunity*, 24(3), 329-338. doi.

Blaya, M. O., Bramlett, H., Nadoo, J., Pieper, A. A., & Dietrich III, W. D. (2013). Neuroprotective efficacy of a proneurogenic compound after traumatic brain injury. *Journal of Neurotrauma*, (ja). doi.
<http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3135>

Blaya, M. O., Tsoulfas, P., Bramlett, H. M., & Dietrich, W. D. (2014). Neural progenitor cell transplantation promotes neuroprotection, enhances hippocampal neurogenesis, and improves cognitive outcomes after traumatic brain injury. *Experimental Neurology*, (o). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.11.014>.
<http://www.sciencedirect.com/science/article/pii/S0014488614003847>

Blazquez-Llorca, L., Garcia-Marin, V., Merino-Serrais, P., Ávila, J., & DeFelipe, J. (2011). Abnormal Tau Phosphorylation in the Thorny Excrescences of CA3 Hippocampal Neurons in Patients with Alzheimer's Disease. *Journal of Alzheimer's Disease*, 26(4), 683-698. doi.

Blesa, J., Juri, C., García-Cabezas, M. Á., Adánez, R., Sánchez-González, M. Á., Cavada, C., & Obeso, J. A. (2011). Inter-hemispheric asymmetry of nigrostriatal dopaminergic lesion: a possible compensatory mechanism in Parkinson's disease. *Frontiers in Systems Neuroscience*, 5. doi.

Blesa, J., Pifl, C., Sánchez-González, M. A., Juri, C., García-Cabezas, M. A., Adánez, R., . . . Obeso, J. A. (2012). The nigrostriatal system in the presymptomatic and symptomatic stages in the MPTP monkey model: A PET, histological and biochemical study. *Neurobiology of Disease*, (o). doi: 10.1016/j.nbd.2012.05.018.
<http://www.sciencedirect.com/science/article/pii/S0969996112002045>

Bliss, T. M., Kelly, S., Shah, A. K., Foo, W. C., Kohli, P., Stokes, C., . . . others. (2006). Transplantation of hNT neurons into the ischemic cortex: cell survival and effect on sensorimotor behavior. *Journal of Neuroscience Research*, 83(6), 1004-1014. doi.

Blockx, I., Verhoye, M., Van Audekerke, J., Bergwerf, I., Kane, J. X., Delgado y Palacios, R., ... Van der Linden, A. (2012). Identification and characterization of Huntington related pathology: An in vivo DKI imaging study. *Neuroimage*, (0). doi: 10.1016/j.neuroimage.2012.06.032.
<http://www.sciencedirect.com/science/article/pii/S1053811912006465>

Bloem, B., Schoppink, L., Rotaru, D. C., Faiz, A., Hendriks, P., Mansvelder, H. D., ... Wouterlood, F. G. (2014). Topographic Mapping between Basal Forebrain Cholinergic Neurons and the Medial Prefrontal Cortex in Mice. *The Journal of Neuroscience*, 34(49), 16234-16246. doi: <http://www.jneurosci.org/content/34/49/16234.short>

Blomster, L. V., Vukovic, J., Hendrickx, D. A., Jung, S., Harvey, A. R., Filgueira, L., & Ruitenberg, M. J. (2011). CX3CR1 deficiency exacerbates neuronal loss and impairs early regenerative responses in the target-ablated olfactory epithelium. *Molecular and Cellular Neuroscience*. doi.

Blomstrand, M., Kalm, M., Grandér, R., Björk-Eriksson, T., & Blomgren, K. (2014). Different reactions to irradiation in the juvenile and adult hippocampus. *International Journal of Radiation Biology*, 0(ja), 1-17. doi: 10.3109/09553002.2014.942015.
<http://informahealthcare.com/doi/abs/10.3109/09553002.2014.942015>

Blosa, M., Sonntag, M., Brückner, G., Jäger, C., Seeger, G., Matthews, R. T., ... Morawski, M. (2012). Unique features of extracellular matrix in the mouse medial nucleus of trapezoid body - implications for physiological functions. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.10.003.
<http://www.sciencedirect.com/science/article/pii/S0306452212010019?v=s5>

Blum, I. D., Lamont, E. W., Rodrigues, T., & Abizaid, A. (2012). Isolating Neural Correlates of the Pacemaker for Food Anticipation. *PLoS ONE*, 7(4), e36117. doi.

Blundell, J., & Adamec, R. (2007). The NMDA receptor antagonist CPP blocks the effects of predator stress on pCREB in brain regions involved in fearful and anxious behavior. *Brain Research*, 1136, 59-76. doi.

Boada, M. D., Gutierrez, S., Aschenbrenner, C. A., Houle, T. T., Hayashida, K.-i., Ririe, D. G., & Eisenach, J. C. (2014). Nerve injury induces a new profile of tactile and mechanical nociceptor input from undamaged peripheral afferents. [10.1152/jn.00506.2014]. *Journal of Neurophysiology*. doi: <http://jn.physiology.org/content/early/2014/09/24/jn.00506.2014.abstract>

Boada, M. D., Gutierrez, S., Houle, T., Eisenach, J. C., & Ririe, D. G. (2011). Developmental differences in peripheral glabrous skin mechanosensory nerve receptive field and intracellular electrophysiologic properties: phenotypic characterization in infant and juvenile rats. *International Journal of Developmental Neuroscience*. doi.

Bobik, M., Ellisman, M. H., Rudy, B., & Martone, M. E. (2004). Potassium channel subunit Kv3.2 and the water channel aquaporin-4 are selectively localized to cerebellar pinceau. *Brain Research Protocols*, 1026, 168-178. doi.

Bocchio, M., Fisher, S. P., Unal, G., Ellender, T. J., Vyazovskiy, V. V., & Capogna, M. (2016). Sleep and serotonin modulate paracapsular nitric oxide synthase expressing neurons of the amygdale. [10.1523/ENEURO.0177-16.2016]. *eneuro*. doi: <http://eneuro.sfn.org/content/early/2016/09/26/ENEURO.0177-16.2016.abstract>

Bockstael, O., Foust, K. D., Kaspar, B., & Tenenbaum, L. (2011). Recombinant AAV Delivery to the Central Nervous System. *Methods in Molecular Medicine*, 807, 159-159. doi.

Bode, C., Richter, F., Spröte, C., Brigadski, T., Bauer, A., Fietz, S., . . . Richter, A. (2017). Altered postnatal maturation of striatal GABAergic interneurons in a phenotypic animal model of dystonia. *Experimental Neurology*, 287, Part 1, 44-53. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.10.013>. <http://www.sciencedirect.com/science/article/pii/S0014488616303442>

Bode, F. J., Stephan, M., Suhling, H., Pabst, R., Straub, R. H., Raber, K. A., . . . von Horsten, S. (2008). Sex differences in a transgenic rat model of Huntington's disease: decreased 17 β - estradiol levels correlate with reduced numbers of DARPP32+ neurons in males. *Human Molecular Genetics*, 17(17), 2595-2609. doi: 10.1093/hmg/ddn159. <http://hmg.oxfordjournals.org/cgi/content/abstract/17/17/2595>

Boehm-Sturm, P., Farr, T. D., Adamczak, J., Jikeli, J. F., Mengler, L., Wiedermann, D., . . . Hoehn, M. (2013). Vascular changes after stroke in the rat: a longitudinal study using optimized magnetic resonance imaging. *Contrast Media & Molecular Imaging*, 8(5), 383-392. doi: 10.1002/cmml.1534. <http://dx.doi.org/10.1002/cmml.1534>

Boelen, E., Stassen, F. R. M., van der Ven, A. J. A. M., Lemmens, M. A. M., Steinbusch, H. P. J., Bruggeman, C. A., . . . Steinbusch, H. W. M. (2007). Detection of amyloid beta aggregates in the brain of BALB/c mice after Chlamydia pneumoniae infection. *Acta Neuropathologica*, 114(3), 255-261. doi.

Boettinger, S., Kolk, F., Broessner, G., Helbok, R., Pfausler, B., Schmutzhard, E., . . . Lackner, P. (2017). Behavioral characterization of the anterior injection model of subarachnoid hemorrhage. *Behavioural Brain Research*, 323, 154-161. doi: <http://dx.doi.org/10.1016/j.bbr.2017.02.004>. <http://www.sciencedirect.com/science/article/pii/S0166432817302206>

Boger, H. A., Middaugh, L. D., Huang, P., Zaman, V., Smith, A. C., Hoffer, B. J., . . . Granholm, A. C. (2006). A partial GDNF depletion leads to earlier age-related deterioration of motor function and tyrosine hydroxylase expression in the substantia nigra. *Experimental Neurology*, 202(2), 336-347. doi.

Boger, H. A., Middaugh, L. D., Patrick, K. S., Ramamoorthy, S., Denehy, E. D., Zhu, H., . . . McGinty, J. F. (2007). Long-Term Consequences of Methamphetamine Exposure in Young Adults Are Exacerbated in Glial Cell Line-Derived Neurotrophic Factor Heterozygous Mice. *Journal of Neuroscience*, 27(33), 8816-8825. doi: 10.1523/jneurosci.1067-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/33/8816>

Boger, H. A., Middaugh, L. D., Zaman, V., Hoffer, B., & Granholm, A. C. (2008). Differential effects of the dopamine neurotoxin MPTP in animals with a partial deletion of the GDNF receptor, GFR α 1, gene. *Brain Research*, 1241, 18-28. doi.

Böhme, J., Martinez, N., Li, S., Lee, A., Marzuki, M., Tizazu, A. M., . . . Singhal, A. (2020). Metformin enhances anti-mycobacterial responses by educating CD8⁺ T-cell immunometabolic circuits. *Nature Communications*, 11(1), 5225. doi: 10.1038/s41467-020-19095-z. <https://doi.org/10.1038/s41467-020-19095-z>

Boido, M., Piras, A., Valsecchi, V., Spigolon, G., Mareschi, K., Ferrero, I., . . . Vercelli, A. (2014). Human mesenchymal stromal cell transplantation modulates neuroinflammatory milieu in a mouse model of amyotrophic lateral sclerosis. *Cytherapy*, (0). doi: <http://dx.doi.org/10.1016/j.jcyt.2014.02.003>. <http://www.sciencedirect.com/science/article/pii/S1465324914004496>

Boissonneault, V., Filali, M., Lessard, M., Relton, J., Wong, G., & Rivest, S. (2009). Powerful beneficial effects of macrophage colony-stimulating factor on β -amyloid deposition and cognitive impairment in Alzheimer's disease. *Brain*, 132(4), 1078-1092. doi.

Boix, J., Padel, T., & Paul, G. (2015). A partial lesion model of Parkinson's disease in mice – Characterization of a 6-OHDA-induced medial forebrain bundle lesion. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2015.01.053>. <http://www.sciencedirect.com/science/article/pii/S0166432815000923>

Bok, E., Cho, E. J., Chung, E. S., Shin, W.-H., & Jin, B. K. (2018). Interleukin-4 Contributes to Degeneration of Dopamine Neurons in the Lipopolysaccharide-treated Substantia Nigra in vivo. *Exp Neurobiol*, 27(4), 309-319. doi. <http://synapse.koreamed.org/DOIx.php?id=10.5607%2Fen.2018.27.4.309>

Bok, E., Chung, Y. C., Kim, K.-S., Baik, H. H., Shin, W.-H., & Jin, B. K. (2018). Modulation of M1/M2 polarization by capsaicin contributes to the survival of dopaminergic neurons in the lipopolysaccharide-lesioned substantia nigra in vivo. *Experimental and Molecular Medicine*, 50(7), 76. doi: 10.1038/s12276-018-0111-4. <https://doi.org/10.1038/s12276-018-0111-4>

Bolat, D. (2017). Three-dimensional reconstruction of the spinal cord of thoroughbred. *Eurasian Journal of Veterinary Sciences*, 33(2), 127-129. doi. <https://www.cabdirect.org/cabdirect/abstract/20173212610>

Bolat, D., Bahar, S., Tipirdamaz, S., & Selcuk, M. L. (2013). Comparison of the Morphometric Features of the Left and Right Horse Kidneys: A Stereological Approach. *Anatomia, Histologia, Embryologia*, n/a-n/a. doi: 10.1111/ahe.12036. <http://dx.doi.org/10.1111/ahe.12036>

Bolat, D., & Tipirdamaz, S. (2011). The Use of the Optical Fractionator to Estimate the Total Number of Ependymal Cells of the Spinal Cord in Leghorn. *Methods*, 002-002. doi.

Boldrini, M., Galfalvy, H., Dwork, A. J., Rosoklija, G. B., Trencevska-Ivanovska, I., Pavlovski, G., . . . Mann, J. J. (2019). Resilience Is Associated with Larger Dentate Gyrus while Suicide

Decedents with Major Depressive Disorder have Fewer Granule Neurons. *Biological Psychiatry*.

doi: <https://doi.org/10.1016/j.biopsych.2018.12.022>. <http://www.sciencedirect.com/science/article/pii/S0006322319300320>

Boldrini, M., Hen, R., Underwood, M. D., Rosoklija, G. B., Dwork, A. J., Mann, J. J., & Arango, V. (2012). Hippocampal Angiogenesis and Progenitor Cell Proliferation Are Increased with Antidepressant Use in Major Depression. *Biological Psychiatry*. doi.

Boldrini, M., Underwood, M. D., Hen, R., Rosoklija, G. B., Dwork, A. J., Mann, J. J., & Arango, V. (2009). Antidepressants increase neural progenitor cells in the human hippocampus. *Neuropsychopharmacology*, 34(11), 2376-2389. doi.

Bollinger, J. L., Bergeon Burns, C. M., & Wellman, C. L. (2015). Differential Effects of Stress on Microglial Cell Activation in Male and Female Medial Prefrontal Cortex. *Brain, Behavior, and Immunity*.

doi: <http://dx.doi.org/10.1016/j.bbi.2015.10.003>.
<http://www.sciencedirect.com/science/article/pii/S0889159115300295>

Bollinger, J. L., Collins, K. E., Patel, R., & Wellman, C. L. (2017). Behavioral stress alters corticolimbic microglia in a sex- and brain region-specific manner. *Plos one*, 12(12), e0187631. doi: 10.1371/journal.pone.0187631.
<https://doi.org/10.1371/journal.pone.0187631>

Bolton, J. L., Ruiz, C. M., Rismanchi, N., Sanchez, G. A., Castillo, E., Huang, J., . . . Mahler, S. V. (2018). Early-life adversity facilitates acquisition of cocaine self-administration and induces persistent anhedonia. *Neurobiology of Stress*.

doi: <https://doi.org/10.1016/j.ynstr.2018.01.002>.
<https://www.sciencedirect.com/science/article/pii/S2352289517300401>

Bomfim, T. R., Forny-Germano, L., Sathler, L. B., Brito-Moreira, J., Houzel, J. C., & Decker, H. (2012). An anti-diabetes agent protects the mouse brain from defective insulin signaling caused by Alzheimer's disease- associated Abeta oligomers. *Journal of Clinical Investigation*, 122. doi: 10.1172/jci57256. <http://dx.doi.org/10.1172/JCI57256>

Bonds, J. A., Shetti, A., Stephen, T. K. L., Bonini, M. G., Minshall, R. D., & Lazarov, O. (2020). Deficits in hippocampal neurogenesis in obesity-dependent and -independent type-2 diabetes mellitus mouse models. *Scientific Reports*, 10(1), 16368. doi: 10.1038/s41598-020-73401-9. <https://doi.org/10.1038/s41598-020-73401-9>

Bongmba, O. Y. N., Martinez, L. A., Elhardt, M. E., Butler, K., & Tejada-Simon, M. V. (2011). Modulation of dendritic spines and synaptic function by Rac1: A possible link to Fragile X syndrome pathology. *Brain Research*. doi.

Bonner, J. F., Connors, T. M., Silverman, W. F., Kowalski, D. P., Lemay, M. A., & Fischer, I. (2011). Grafted Neural Progenitors Integrate and Restore Synaptic Connectivity across the Injured Spinal Cord. *Journal of Neuroscience*, 31(12), 4675-4686. doi: 10.1523/jneurosci.4130-10.2011.

<http://www.jneurosci.org/content/31/12/4675.abstract>

Bonthius, D. J., Mahoney, J., Buchmeier, M. J., Karacay, B., & Taggard, D. (2002). Critical role for glial cells in the propagation and spread of lymphocytic choriomeningitis virus in the developing rat brain. *Journal of Virology*, 76(13), 6618-6618. doi.

Bonthius, D. J., McKim, R., Koele, L., Harb, H., Karacay, B., Mahoney, J., & Pantazis, N. J. (2004). Use of frozen sections to determine neuronal number in the murine hippocampus and neocortex using the optical disector and optical fractionator. *Brain Research Protocols*, 14(1), 45-57. doi.

Bonthius, D. J., Nichols, B., Harb, H., Mahoney, J., & Karacay, B. (2007). Lymphocytic choriomeningitis virus infection of the developing brain: critical role of host age. *Annals of Neurology*, 62(4), 356-374. doi.

Bonthius, D. J., Solodkin, A., & Van Hoesen, G. W. (2005). Pathology of the insular cortex in Alzheimer disease depends on cortical architecture. *Journal of Neuropathology and Experimental Neurology*, 64(10), 910-910. doi.

Bonthius, D. J., Tzouras, G., Karacay, B., Mahoney, J., Hutton, A., McKim, R., & Pantazis, N. J. (2002). Deficiency of neuronal nitric oxide synthase (nNOS) worsens alcohol-induced microencephaly and neuronal loss in developing mice. *Developmental Brain Research*, 138(1), 45-59. doi.

Bonthius, D. J., Woodhouse, J., Bonthius, N. E., Taggard, D. A., & Lothman, E. W. (2001). Reduced seizure threshold and hippocampal cell loss in rats exposed to alcohol during the brain growth spurt. *Alcoholism: Clinical and Experimental Research*, 25(1), 70-82. doi.

Boone, D. R., Leek, J. M., Falduto, M. T., Torres, K. E. O., Sell, S. L., Parsley, M. A., . . . Hellmich, H. L. (2017). Effects of AAV-mediated knockdown of nNOS and GPx-1 gene expression in rat hippocampus after traumatic brain injury. *Plos one*, 12(10), e0185943. doi: 10.1371/journal.pone.0185943. <https://doi.org/10.1371/journal.pone.0185943>

Borcel, É., Pérez-Alvarez, L., Herrero, A. I., Brionne, T., Varea, E., Berezin, V., . . . Venero, C. (2008). Chronic stress in adulthood followed by intermittent stress impairs spatial memory and the survival of newborn hippocampal cells in aging animals: prevention by FGL, a peptide mimetic of neural cell adhesion molecule. *Behavioural Pharmacology*, 19(1), 41-49. doi.

Borekci, B., Gundogdu, C., Altunkaynak, B. Z., Calik, M., Altunkaynak, M. E., Unal, D., & Unal, B. (2009). The Protective Effect of Dehydroepiandrosterone on Ovarian Tissues After Torsion- Detorsion Injury: A Stereological and Histopathological Study. *The Eurasian Journal of Medicine*, 41(1), 22-27. doi.

Borlikova, G. G., Trejo, M., Mably, A. J., Mc Donald, J. M., Frigerio, C. S., Regan, C. M., . . . Walsh, D. M. (2012). Alzheimer brain-derived amyloid β -protein impairs synaptic remodeling and memory consolidation. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2012.10.028>. <http://www.sciencedirect.com/science/article/pii/S0197458012005520>

Borrell, V., Cárdenas, A., Ciceri, G., Galcerán, J., Flames, N., Pla, R., . . . Marín, O. (2012). Slit/Robo Signaling Modulates the Proliferation of Central Nervous System Progenitors. *Neuron*, 76(2), 338-352. doi: 10.1016/j.neuron.2012.08.003. <http://www.sciencedirect.com/science/article/pii/S0896627312007064>

Bortolato, M., Godar, S. C., Alzghoul, L., Zhang, J., Darling, R. D., Simpson, K. L., . . . Shih, J. C. (2012). Monoamine oxidase A and A/B knockout mice display autistic-like features. *International Journal of Neuropsychopharmacology*, FirstView, 1-20. doi: 10.1017/S1461145712000715. <http://dx.doi.org/10.1017/S1461145712000715>

Boschen, K. E., Ruggiero, M. J., & Klintsova, A. Y. (2016). Neonatal binge alcohol exposure increases microglial activation in the developing rat hippocampus. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.03.033>. <http://www.sciencedirect.com/science/article/pii/S0306452216300033>

Bosco, A., Crish, S. D., Steele, M. R., Romero, C. O., Inman, D. M., Horner, P. J., . . . Vetter, M. L. (2012). Early Reduction of Microglia Activation by Irradiation in a Model of Chronic Glaucoma. *Plos one*, 7(8), e43602. doi.

Bosco, A., Inman, D. M., Steele, M. R., Wu, G., Soto, I., Marsh-Armstrong, N., . . . Vetter, M. L. (2008). Reduced retina microglial activation and improved optic nerve integrity with minocycline treatment in the DBA/2J mouse model of glaucoma. *Investigative Ophthalmology and Visual Science*, 49(4), 1437-1446. doi.

Boska, M. D., Hasan, K. M., Kibuule, D., Banerjee, R., McIntyre, E., Nelson, J. A., . . . Mosley, R. L. (2007). Quantitative diffusion tensor imaging detects dopaminergic neuronal degeneration in a murine model of Parkinson's disease. *Neurobiology of Disease*, 26(3), 590-596. doi.

Boska, M. D., Lewis, T. B., Destache, C. J., Benner, E. J., Nelson, J. A., Uberti, M., . . . Gendelman, H. E. (2005). Quantitative 1H Magnetic Resonance Spectroscopic Imaging Determines Therapeutic Immunization Efficacy in an Animal Model of Parkinson's Disease. *Journal of Neuroscience*, 25(7), 1691-1700. doi: <http://www.jneurosci.org/cgi/content/abstract/25/7/1691>

Boström, M., Eriksson, Y., Danial, J., Björk-Eriksson, T., & Kalm, M. (2019). Chronic disturbance in the thalamus following cranial irradiation to the developing mouse brain. *Scientific Reports*, 9(1), 9588. doi: 10.1038/s41598-019-45973-8. <https://doi.org/10.1038/s41598-019-45973-8>

Boström, M., Kalm, M., Karlsson, N., Erkenstam, N. H., & Blomgren, K. (2013). Irradiation to the young mouse brain caused long-term, progressive depletion of neurogenesis but did not disrupt the neurovascular niche. *Journal of Cerebral Blood Flow and Metabolism*. doi.

Botha, D., Bhagwandin, A., Lynnerup, N., & Steyn, M. (2018). The use of stereological methods in the histomorphometric assessment of bone for age-at-death estimation. *Forensic Science International*. doi: <https://doi.org/10.1016/j.forsciint.2018.06.025>. <https://www.sciencedirect.com/science/article/pii/S0379073818303475>

Botha, D., Lynnerup, N., & Steyn, M. (2019). Inter-population variation of histomorphometric variables used in the estimation of age-at-death. [journal article]. *International Journal of Legal Medicine*. doi: 10.1007/s00414-019-02048-7. <https://doi.org/10.1007/s00414-019-02048-7>

Botha, D., Steyn, M., & Lynnerup, N. (2019). Histological age-at-death estimation in white South Africans using stereology. [journal article]. *International Journal of Legal Medicine*. doi: 10.1007/s00414-019-02152-8. <https://doi.org/10.1007/s00414-019-02152-8>

Bothwell, S., Meredith, G. E., Phillips, J., Staunton, H., Doherty, C., Grigorenko, E., . . . Farrell, M. (2001). Neuronal Hypertrophy in the Neocortex of Patients with Temporal Lobe Epilepsy. *Journal of Neuroscience*, 21(13), 4789-4800. doi: <http://www.jneurosci.org/cgi/content/abstract/21/13/4789>

Botterill, J. J., Brymer, K. J., Caruncho, H. J., & Kalynchuk, L. E. (2015). Aberrant hippocampal neurogenesis after limbic kindling: Relationship to BDNF and hippocampal-dependent memory. *Epilepsy & Behavior*, (0). doi: <http://dx.doi.org/10.1016/j.yebeh.2015.04.046>. <http://www.sciencedirect.com/science/article/pii/S1525505015002152>

Botterill, J. J., Fournier, N. M., Guskjolen, A. J., Lussier, A. L., Marks, W. N., & Kalynchuk, L. E. (2014). Amygdala kindling disrupts trace and delay fear conditioning with parallel changes in Fos protein expression throughout the limbic brain. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.01.040>. <http://www.sciencedirect.com/science/article/pii/S030645221400061X>

Botterill, J. J., Guskjolen, A. J., Marks, W. N., Caruncho, H. J., & Kalynchuk, L. E. (2014). Limbic but not non-limbic kindling impairs conditioned fear and promotes plasticity of NPY and its Y2 receptor. *Brain Structure and Function*, 1-15. doi: 10.1007/s00429-014-0880-z. <http://dx.doi.org/10.1007/s00429-014-0880-z>

Botterill, J. J., Nogovitsyn, N., Caruncho, H. J., & Kalynchuk, L. E. (2016). Selective plasticity of hippocampal GABAergic interneuron populations following kindling of different brain regions. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24071. <http://dx.doi.org/10.1002/cne.24071>

Bouchard, C., Pagé, J., Bédard, A., Tremblay, P., & Vallières, L. (2007). G protein-coupled receptor 84, a microglia-associated protein expressed in neuroinflammatory conditions. *Glia*, 55(8), 790-800. doi:

Boudewyn, L. C., Sikora, J., Kuchar, L., Ledvinova, J., Grishchuk, Y., Wang, S. L., . . . Walkley, S. U. (2017). N-butyl-deoxynojirimycin delays motor deficits, cerebellar microgliosis, and Purkinje cell loss in a mouse model of mucopolidosis type IV. *Neurobiology of Disease*. doi: <https://doi.org/10.1016/j.nbd.2017.06.003>. <http://www.sciencedirect.com/science/article/pii/S0969996117301304>

Boujon, V., Uhlemann, R., Wegner, S., Wright, M. B., Laufs, U., Endres, M., . . . Gertz, K. (2019). Dual PPAR α/γ agonist aleglitazar confers stroke protection in a model of mild focal brain

ischemia in mice. [journal article]. Journal of Molecular Medicine. doi: 10.1007/s00109-019-01801-0. <https://doi.org/10.1007/s00109-019-01801-0>

Boulanger, J. J., & Messier, C. (2017). Oligodendrocyte progenitor cells are paired with GABA neurons in the mouse dorsal cortex: Unbiased stereological analysis. Neuroscience.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.08.018>.
<http://www.sciencedirect.com/science/article/pii/S0306452217305845>

Boulanger, J. J., & Messier, C. (2017). Unbiased stereological analysis of the fate of oligodendrocyte progenitor cells in the adult mouse brain and effect of reference memory training. Behavioural Brain Research, 329, 127-139.

doi: <https://doi.org/10.1016/j.bbr.2017.04.027>.
<http://www.sciencedirect.com/science/article/pii/S0166432817301146>

Bouley, D. M., Alarcon, C. N., Hildebrandt, T., & O Connell-Rodwell, C. E. (2007). The distribution, density and three-dimensional histomorphology of Pacinian corpuscles in the foot of the Asian elephant (*Elephas maximus*) and their potential role in seismic communication. Journal of Anatomy, 211(4), 428-435. doi: doi:10.1111/j.1469-7580.2007.00792.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1469-7580.2007.00792.x>

Bouras, C., Kovari, E., Herrmann, F. R., Rivara, C.-B., Bailey, T. L., von Gunten, A., . . . Giannakopoulos, P. (2006). Stereologic Analysis of Microvascular Morphology in the Elderly: Alzheimer Disease Pathology and Cognitive Status. Journal of Neuropathology, 65(3), 235-244. doi.

Bourque, M., Morissette, M., Côté, M., Soulet, D., & Di Paolo, T. (2012). Implication of GPER1 in neuroprotection in a mouse model of Parkinson's disease. Neurobiology of Aging, (0). doi: 10.1016/j.neurobiolaging.2012.05.022.

<http://www.sciencedirect.com/science/article/pii/S0197458012003223>

Bousquet, M., Gue, K., Emond, V., Julien, P., Kang, J. X., Cicchetti, F., & Calon, F. (2011). Transgenic conversion of omega-6 into omega-3 fatty acids in a mouse model of Parkinson's disease. Journal of Lipid Research, 52(2), 263-271. doi.

Bousquet, M., Saint-Pierre, M., Julien, C., Salem Jr, N., Cicchetti, F., & Calon, F. (2008). Beneficial effects of dietary omega-3 polyunsaturated fatty acid on toxin-induced neuronal degeneration in an animal model of Parkinson's disease. Faseb Journal, 22(4), 1213-1225. doi.

Bousquet, M., St-Amour, I., Vandal, M., Julien, P., Cicchetti, F., & Calon, F. (2011). High-fat diet exacerbates MPTP-induced dopaminergic degeneration in mice. Neurobiology of Disease. doi.

Bouzamondo-Bernstein, E., Hopkins, S. D., Spilman, P., Uyehara-Lock, J., Deering, C., Safar, J., . . . DeArmond, S. J. (2004). The neurodegeneration sequence in prion diseases: evidence from functional, morphological and ultrastructural studies of the GABAergic system. Journal of Neuropathology and Experimental Neurology, 63(8), 882-882. doi.

Bove, J., Zhou, C., Jackson-Lewis, V., Taylor, J., Chu, Y., Rideout, H. J., . . . Przedborski, S. (2006). Proteasome inhibition and Parkinson's disease modeling. *Annals of Neurology*, 60(2), 260-264. doi:

Bowley, M. P., Cabral, H., Rosene, D. L., & Peters, A. (2010). Age changes in myelinated nerve fibers of the cingulate bundle and corpus callosum in the rhesus monkey. *Journal of Comparative Neurology*, 518(15), 3046-3064. doi:

Boyle, P. A., Wilson, R. S., Yu, L., Barr, A. M., Honer, W. G., Schneider, J. A., & Bennett, D. A. (2013). Much of late life cognitive decline is not due to common neurodegenerative pathologies. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.23964. <http://dx.doi.org/10.1002/ana.23964>

Bracchi-Ricard, V., Brambilla, R., Levenson, J., Hu, W. H., Bramwell, A., Sweatt, J. D., . . . Bethea, J. R. (2008). Astroglial nuclear factor- κ B regulates learning and memory and synaptic plasticity in female mice. *Journal of Neurochemistry*, 104(3), 611-623. doi:

Brace, L. R., Kraev, I., Rostron, C. L., Stewart, M. G., Overton, P. G., & Dommett, E. J. (2015). Altered visual processing in a rodent model of Attention-Deficit Hyperactivity Disorder. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.07.003>. <http://www.sciencedirect.com/science/article/pii/S0306452215006107>

Brace, L. R., Kraev, I., Rostron, C. L., Stewart, M. G., Overton, P. G., & Dommett, E. J. (2015). Auditory responses in a rodent model of Attention Deficit Hyperactivity Disorder. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2015.09.038>. <http://www.sciencedirect.com/science/article/pii/S0006899315007362>

Bracke, A., Domanska, G., Bracke, K., Harzsch, S., van den Brandt, J., Bröker, B., & von Bohlen und Halbach, O. (2019). Obesity Impairs Mobility and Adult Hippocampal Neurogenesis. *Journal of Experimental Neuroscience*, 13, 1179069519883580. doi: 10.1177/1179069519883580. <https://doi.org/10.1177/1179069519883580>

Bracke, A., Schäfer, S., von Bohlen und Halbach, V., Klempin, F., Bente, K., Bracke, K., . . . von Bohlen und Halbach, O. (2018). ATP6AP2 over-expression causes morphological alterations in the hippocampus and in hippocampus-related behaviour. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1633-1. <https://doi.org/10.1007/s00429-018-1633-1>

Braczynski, A. K., Harter, P. N., Zeiner, P. S., Drott, U., Tews, D.-S., Preusse, C., . . . Mittelbronn, M. (2016). C5b-9 deposits on endomysial capillaries in non-dermatomyositis cases. *Neuromuscular Disorders*. doi: <http://dx.doi.org/10.1016/j.nmd.2016.02.014>. <http://www.sciencedirect.com/science/article/pii/S0960896615300353>

Bradbury, M. S., Panagiotakos, G., Chan, B. K., Tomishima, M., Zanzonico, P., Vider, J., . . . Tabar, V. (2007). Optical bioluminescence imaging of human ES cell progeny in the rodent CNS. *Journal of Neurochemistry*, 102(6), 2029-2039. doi: doi:10.1111/j.1471-

4159.2007.04681.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.04681.x>

Bradshaw, E. M., Chibnik, L. B., Keenan, B. T., Ottoboni, L., Raj, T., Tang, A., . . . Von Korff, A. (2013). CD33 Alzheimer's disease locus: altered monocyte function and amyloid biology. *Nature Neuroscience*. doi: <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3435.html>

Bradshaw, S. E., Agster, K. L., Waterhouse, B. D., & McGaughy, J. A. (2016). Age-related changes in prefrontal norepinephrine transporter density: The basis for improved cognitive flexibility after low doses of atomoxetine in adolescent rats. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2016.01.001>. <http://www.sciencedirect.com/science/article/pii/S0006899316000020>

Braegger, F. E., Asarian, L., Dahl, K., Lutz, T. A., & Boyle, C. N. (2014). The role of the area postrema in the anorectic effects of amylin and salmon calcitonin: behavioral and neuronal phenotyping. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12672. <http://dx.doi.org/10.1111/ejn.12672>

Brahmachari, S., Ge, P., Lee, S. H., Kim, D., Karuppagounder, S. S., Kumar, M., . . . Ko, H. S. (2016). Activation of tyrosine kinase c-Abl contributes to α -synuclein-induced neurodegeneration. *The Journal of Clinical Investigation*, 126(8). doi: 10.1172/jci85456. <http://dx.doi.org/10.1172/JCI85456>

Brahmachari, S., Lee, S., Kim, S., Yuan, C., Karuppagounder, S. S., Ge, P., . . . Dawson, T. M. (2019). Parkin interacting substrate zinc finger protein 746 is a pathological mediator in Parkinson's disease. *Brain*. doi: 10.1093/brain/awz172. <https://doi.org/10.1093/brain/awz172>

Brakel, K., Aceves, M., Garza, A., Yoo, C., Escobedo, G., Panchani, N., . . . Hook, M. (2021). Inflammation increases the development of depression behaviors in male rats after spinal cord injury. *Brain, Behavior, & Immunity - Health*, 14, 100258. doi: <https://doi.org/10.1016/j.bbih.2021.100258>. <https://www.sciencedirect.com/science/article/pii/S2666354621000612>

Brambilla, R., Ashbaugh, J. J., Magliozzi, R., Dellarole, A., Karmally, S., Szymkowski, D. E., & Bethea, J. R. (2011). Inhibition of soluble tumour necrosis factor is therapeutic in experimental autoimmune encephalomyelitis and promotes axon preservation and remyelination. *Brain*, 134(9), 2736-2754. doi: 10.1093/brain/awr199. <http://brain.oxfordjournals.org/cgi/content/abstract/134/9/2736>

Brambilla, R., Ashbaugh, J. J., Magliozzi, R., Dellarole, A., Karmally, S., Szymkowski, D. E., & Bethea, J. R. (2011). Inhibition of soluble tumour necrosis factor is therapeutic in experimental autoimmune encephalomyelitis and promotes axon preservation and remyelination. *Brain*, 134(9), 2736-2754. doi: <http://brain.oxfordjournals.org/content/134/9/2736.short>

Brambrink, A. M., Back, S. A., Riddle, A., Gong, X., Moravec, M. D., Dissen, G. A., . . . Olney, J. W. (2012). Isoflurane-induced apoptosis of oligodendrocytes in the neonatal primate brain. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.23652. <http://dx.doi.org/10.1002/ana.23652>

Brambrink, A. M., Evers, A. S., Avidan, M. S., Farber, N. B., Smith, D. J., Martin, L. D., . . . Olney, J. W. (2012). Ketamine-induced Neuroapoptosis in the Fetal and Neonatal Rhesus Macaque Brain. *Anesthesiology*, 116(2), 372-372. doi.

Brambrink, A. M., Evers, A. S., Avidan, M. S., Farber, N. B., Smith, D. J., Zhang, X., . . . Olney, J. W. (2010). Isoflurane-induced neuroapoptosis in the neonatal rhesus macaque brain. *Anesthesiology*, 112(4), 834-834. doi.

Branch, A., Monasterio, A., Blair, G., Knierim, J. J., Gallagher, M., & Haberman, R. P. (2019). Aged rats with preserved memory dynamically recruit hippocampal inhibition in a local/global cue mismatch environment. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2018.12.015>.
<http://www.sciencedirect.com/science/article/pii/S019745801830455X>

Brandenburg, C., Smith, L. A., Kilander, M. B. C., Bridi, M. S., Lin, Y.-C., Huang, S., & Blatt, G. J. (2021). Parvalbumin subtypes of cerebellar Purkinje cells contribute to differential intrinsic firing properties. *Molecular and Cellular Neuroscience*, 115, 103650. doi: <https://doi.org/10.1016/j.mcn.2021.103650>.
<https://www.sciencedirect.com/science/article/pii/S1044743121000634>

Brasnjevic, I., Lardenoije, R., Schmitz, C., Kolk, N., Dickstein, D., Takahashi, H., . . . Rutten, B. F. (2013). Region-specific neuron and synapse loss in the hippocampus of APPSL/PS1 knock-in mice. *Translational neuroscience*, 4(1), 8-19. doi: 10.2478/s13380-013-0111-8. <http://dx.doi.org/10.2478/s13380-013-0111-8>

Braunschweig, D., Golub, M. S., Koenig, C. M., Qi, L., Pessah, I. N., Van de Water, J., & Berman, R. F. (2012). Maternal autism-associated IgG antibodies delay development and produce anxiety in a mouse gestational transfer model. *Journal of Neuroimmunology*, (0). doi: 10.1016/j.jneuroim.2012.08.002. <http://www.sciencedirect.com/science/article/pii/S016572812002469>

Breckenridge, C. B., Sturgess, N. C., Butt, M., Wolf, J. C., Zadory, D., Beck, M., . . . Smith, L. L. (2013). Pharmacokinetic, neurochemical, stereological and neuropathological studies on the potential effects of paraquat in the substantia nigra pars compacta and striatum of male C57Bl6/J mice. *Neurotoxicology*, (0). doi: <http://dx.doi.org/10.1016/j.neuro.2013.03.005>.
<http://www.sciencedirect.com/science/article/pii/S0161813X13000454>

Bregy, A., Nixon, R., Lotocki, G., Alonso, O. F., Atkins, C. M., Tsoulfas, P., . . . Dietrich, W. D. (2011). Posttraumatic hypothermia increases doublecortin expressing neurons in the dentate gyrus after traumatic brain injury in the rat. *Experimental Neurology*. doi.

Brek, O. R., Korecka, J. A., Crapart, C. C., Huebecker, M., MacBain, Z. K., Rosenthal, S. A., . . . Hallett, P. J. (2020). Upregulating β -hexosaminidase activity in rodents prevents α -synuclein lipid associations and protects dopaminergic neurons from α -synuclein-mediated neurotoxicity. *Acta Neuropathologica Communications*, 8(1), 127. doi: 10.1186/s40478-020-01004-6. <https://doi.org/10.1186/s40478-020-01004-6>

Brendza, R. P., O'Brien, C., Simmons, K., McKeel, D. W., Bales, K. R., Paul, S. M., . . . Holtzman, D. M. (2003). PDAPP: YFP double transgenic mice: A tool to study amyloid- β associated changes in axonal, dendritic, and synaptic structures. *Journal of Comparative Neurology*, 456(4), 375-383. doi.

Brenhouse, H. C., & Andersen, S. L. (2011). Nonsteroidal Anti-Inflammatory Treatment Prevents Delayed Effects of Early Life Stress in Rats. *Biological Psychiatry*. doi.

Breunig, J. J., Silbereis, J., Vaccarino, F. M., Sestan, N., & Rakic, P. (2007). Notch regulates cell fate and dendrite morphology of newborn neurons in the postnatal dentate gyrus. *Proceedings of the National Academy of Sciences*, 104(51), 20558-20563. doi: 10.1073/Proceedings of the National Academy of Sciences.0710156104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/51/20558>

Brewer, K. L., Lee, J. W., Downs, H., Oaklander, A. L., & Yezierski, R. P. (2008). Dermatomal scratching after intramedullary quisqualate injection: correlation with cutaneous denervation. *Journal of Pain*, 9(11), 999-1005. doi.

Breyhan, H., Wirths, O., Duan, K., Marcello, A., Rettig, J., & Bayer, T. A. (2009). APP/PS1KI bigenic mice develop early synaptic deficits and hippocampus atrophy. *Acta Neuropathologica*, 117(6), 677-685. doi.

Brink, L. R., Gueniot, J. P., & Lönnardal, B. (2019). Effects of Milk fat globule membrane and its various components on neurologic development in a postnatal growth restriction rat model. *The Journal of Nutritional Biochemistry*. doi: <https://doi.org/10.1016/j.jnutbio.2019.03.013>. <http://www.sciencedirect.com/science/article/pii/S0955286318311173>

Briones, T. L., Rogozinska, M., & Woods, J. (2009). Environmental experience modulates ischemia-induced amyloidogenesis and enhances functional recovery. *Journal of Neurotrauma*, 26(4), 613-625. doi.

Briones, T. L., Rogozinska, M., & Woods, J. (2011). Modulation of Ischemia-Induced NMDAR1 Activation by Environmental Enrichment Decreases Oxidative Damage. *Journal of Neurotrauma*. doi.

Briones, T. L., Suh, E., Hattar, H., & Wadowska, M. (2005). Dentate Gyrus Neurogenesis after Cerebral Ischemia and Behavioral Training. *Biological Research for Nursing*, 6, 167-179. doi.

Briones, T. L., Suh, E., Jozsa, L., Hattar, H., Chai, J., & Wadowska, M. (2004). Behaviorally-induced ultrastructural plasticity in the hippocampal region after cerebral ischemia. *Brain Research*, 997(2), 137-146. doi.

Briones, T. L., Suh, E., Jozsa, L., Rogozinska, M., Woods, J., & Wadowska, M. (2005). Changes in number of synapses and mitochondria in presynaptic terminals in the dentate gyrus following cerebral ischemia and rehabilitation training. *Brain Research*, 1033(1), 51-57. doi.

Briones, T. L., Suh, E., Jozsa, L., & Woods, J. (2006). Behaviorally induced synaptogenesis and dendritic growth in the hippocampal region following transient global cerebral ischemia are accompanied by improvement in spatial learning. *Experimental Neurology*, 198(2), 530-538. doi.

Briones, T. L., & Woods, J. (2011). Chemotherapy-induced cognitive impairment is associated with decreases in cell proliferation and histone modifications. *BMC Neuroscience*, 12(1), 124-124. doi.

Briones, T. L., & Woods, J. (2013). Chronic binge-like alcohol consumption in adolescence causes depression-like symptoms possibly mediated by the effects of BDNF on neurogenesis. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.09.031>.
<http://www.sciencedirect.com/science/article/pii/S0306452213008038>

Briones, T. L., Woods, J., Wadowska, M., & Rogozinska, M. (2006). Amelioration of cognitive impairment and changes in microtubule-associated protein 2 after transient global cerebral ischemia are influenced by complex environment experience. *Behavioural Brain Research*, 168(2), 261-271. doi.

Briones, T. L., Woods, J., Wadowska, M., Rogozinska, M., & Nguyen, M. (2006). Astrocytic changes in the hippocampus and functional recovery after cerebral ischemia are facilitated by rehabilitation training. *Behavioural Brain Research*, 171(1), 17-25. doi.

Brischoux, F., Mainville, L., & Jones, B. E. (2008). Muscarinic-2 and orexin-2 receptors on GABAergic and other neurons in the rat mesopontine tegmentum and their potential role in sleep/wake state control. *Journal of Comparative Neurology*, 510(6), 607-630. doi.

Britten, J. L., Malik, M., Lewis, T. D., & Catherino, W. H. (2018). Ulipristal Acetate Mediates Decreased Proteoglycan Expression Through Regulation of Nuclear Factor of Activated T- Cells (NFAT5). *Reproductive Sciences*, 1933719118816836. doi: 10.1177/1933719118816836. <https://doi.org/10.1177/1933719118816836>

Brock, J. H., Graham, L., Staufenberg, E., Collyer, E., Koffler, Y., & Tuszynski, M. H. (2015). Bone Marrow Stromal Cell Intraspinal Transplants Fail to Improve Motor Outcomes in a Severe Model of Spinal Cord Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4009. <http://dx.doi.org/10.1089/neu.2015.4009>

Brock, J. H., Rosenzweig, E. S., Blesch, A., Moseanko, R., Havton, L. A., Edgerton, V. R., & Tuszynski, M. H. (2010). Local and remote growth factor effects after primate spinal cord injury. *Journal of Neuroscience*, 30(29), 9728-9737. doi.

Brody, D. L., Mac Donald, C., Kessens, C. C., Yuede, C., Parsadanian, M., Spinner, M., . . . Bayly, P. V. (2007). Electromagnetic controlled cortical impact device for precise, graded experimental traumatic brain injury. *Journal of Neurotrauma*, 24(4), 657-673. doi.

Brooks, D., & Halliday, G. M. (2009). Intralaminar nuclei of the thalamus in Lewy body diseases. *Brain Research Bulletin*, 78(2-3), 97-104. doi.

Broussard, J. I., Redell, J. B., Zhao, J., Maynard, M. E., Kobori, N., Perez, A. I., . . . Dash, P. K. (2019). Mild traumatic brain injury decreases spatial information content and reduces place field stability of hippocampal CA1 neurons. *Journal of Neurotrauma*. doi: 10.1089/neu.2019.6766. <https://doi.org/10.1089/neu.2019.6766>

Brown, B. P., Kang, S. C., Gawelek, K., Zacharias, R. A., Anderson, S. R., Turner, C. P., & Morris, J. K. (2015). In vivo and in vitro ketamine exposure exhibits a dose-dependent induction of activity-dependent neuroprotective protein in rat neurons. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.12.076>. <http://www.sciencedirect.com/science/article/pii/S0306452215000512>

Brown, E. C. Z., Steadman, C. J., Lee, T. M., Padmanabhan, V., Lehman, M. N., & Coolen, L. M. (2015). Sex differences and effects of prenatal exposure to excess testosterone on ventral tegmental area dopamine neurons in adult sheep. *European Journal of Neuroscience*, n/a- n/a. doi: 10.1111/ejn.12871. <http://dx.doi.org/10.1111/ejn.12871>

Brown, J., Cooper-Kuhn, C. M., Kempermann, G., Van Praag, H., Winkler, J., Gage, F. H., & Kuhn, H. G. (2003). Enriched environment and physical activity stimulate hippocampal but not olfactory bulb neurogenesis. *European Journal of Neuroscience*, 17(10), 2042-2046. doi: doi:10.1046/j.1460-9568.2003.02647.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02647.x>

Brown, J. E., Card, J. P., & Yates, B. J. (2005). Polysynaptic pathways from the vestibular nuclei to the lateral mammillary nucleus of the rat: substrates for vestibular input to head direction cells. *Experimental Brain Research*, 161(1), 47-61. doi.

Brown, R. M., Short, J. L., & Lawrence, A. J. (2010). Identification of brain nuclei implicated in cocaine-primed reinstatement of conditioned place preference: a behaviour dissociable from sensitization. *PLoS ONE*, 5(12), e15889-e15889. doi.

Brown, T. B., Bogush, A. I., & Ehrlich, M. E. (2008). Neocortical expression of mutant huntingtin is not required for alterations in striatal gene expression or motor dysfunction in a transgenic mouse. *Human Molecular Genetics*, 17(20), 3095-3104. doi: 10.1093/hmg/ddn206. <http://hmg.oxfordjournals.org/cgi/content/abstract/17/20/3095>

Browne, C., Tobin, J. R., & Voytko, M. L. (2009). Effects of two years of conjugated equine estrogens on cholinergic neurons in young and middle-aged ovariectomized monkeys. *Brain Research*, 1264, 13-23. doi.

Bruckner, G., Morawski, M., & Arendt, T. (2008). Aggrecan-based extracellular matrix is an integral part of the human basal ganglia circuit. *Neuroscience*, 151(2), 489-504. doi.

Brugman, K. I., Kato, M., Oh, J. Y., Sternberg, P. W., Maher, S., Wong, W.-R., & Howe, K. (2019). Autism-associated missense genetic variants impact locomotion and neurodevelopment in *Caenorhabditis elegans*. doi: 10.1093/hmg/ddz051. <https://doi.org/10.1093/hmg/ddz051>

Brulet, R., Zhu, J., Aktar, M., Hsieh, J., & Cho, K.-O. (2017). Mice with conditional NeuroD1 knockout display reduced aberrant hippocampal neurogenesis but no change in epileptic seizures. *Experimental Neurology*, 293, 190-198.

doi: <https://doi.org/10.1016/j.expneurol.2017.04.005>.
<http://www.sciencedirect.com/science/article/pii/S0014488617300985>

Brunjes, P. C., Kay, R. B., & Arrivillaga, J. P. (2011). The mouse olfactory peduncle. *Journal of Comparative Neurology*, 519(14), 2870-2886. doi: 10.1002/cne.22662. <http://dx.doi.org/10.1002/cne.22662>

Brynskikh, A. M., Zhao, Y., Mosley, R. L., Li, S., Boska, M. D., Klyachko, N. L., . . . Batrakova, E. V. (2010). Macrophage delivery of therapeutic nanozymes in a murine model of Parkinson's disease. *Nanomedicine*, 5(3), 379-396. doi:

Brys, I., Bobela, W., Schneider, B. L., Aebischer, P., & Fuentes, R. (2016). Spinal cord stimulation improves forelimb use in an alpha-synuclein animal model of Parkinson's disease. *International Journal of Neuroscience*, 1-9. doi: 10.3109/00207454.2016.1138296. <http://dx.doi.org/10.3109/00207454.2016.1138296>

Brys, I., Nunes, J., & Fuentes, R. (2017). Motor deficits and beta-oscillations are dissociable in an alpha-synuclein model of Parkinson's disease. *European Journal of Neuroscience*, n/a- n/a. doi: 10.1111/ejn.13568. <http://dx.doi.org/10.1111/ejn.13568>

Brzozowska, N. I., Smith, K. L., Zhou, C., Waters, P. M., Cavalcante, L. M., Abelev, S. V., . . . Arnold, J. C. (2017). Genetic deletion of P-glycoprotein alters stress responsivity and increases depression-like behavior, social withdrawal and microglial activation in the hippocampus of female mice. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2017.05.008>.
<http://www.sciencedirect.com/science/article/pii/S088915911730154X>

Bucci, D. J., & Chess, A. C. (2005). Specific changes in conditioned responding following neurotoxic damage to the posterior parietal cortex. *Behavioral Neuroscience*, 119(6), 1580- 1580. doi.

Bucci, D. J., & MacLeod, J. E. (2007). Changes in neural activity associated with a surprising change in the predictive validity of a conditioned stimulus. *European Journal of Neuroscience*, 0(0), ???-??? doi: doi:10.1111/j.1460-9568.2007.05902.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05902.x>

Bücheler, F., Döbrössy, M., Hackl, C., Jiang, W., Papazoglou, A., & Nikkhah, G. (2014). Two-step grafting significantly enhances the survival of foetal dopaminergic transplants and induces graft-derived vascularisation in a 6-OHDA model of Parkinson's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.04.009>.
<http://www.sciencedirect.com/science/article/pii/S0969996114000989>

Bücheler, F., Morawska, M. M., Schreglmann, S. R., Penner, M., Muser, M., Baumann, C. R., & Noain, D. (2015). Novel rat model of weight drop-induced closed diffuse traumatic brain injury compatible with electrophysiological recordings of vigilance states. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4001. <http://dx.doi.org/10.1089/neu.2015.4001>

Buchman, A. S., Leurgans, S. E., VanderHorst, V. G. J. M., Nag, S., Schneider, J. A., & Bennett, D. A. (2018). Spinal motor neurons and motor function in older adults. [journal article]. *Journal of Neurology*. doi: 10.1007/s00415-018-9118-y. <https://doi.org/10.1007/s00415-018-9118-y>

Buchman, A. S., Nag, S., Shulman, J. M., Lim, A. S. P., VanderHorst, V. G. J. M., Leurgans, S. E., . . . Bennett, D. A. (2012). Locus coeruleus neuron density and parkinsonism in older adults without Parkinson's disease. *Movement Disorders*, n/a-n/a. doi: 10.1002/mds.25142. <http://dx.doi.org/10.1002/mds.25142>

Buckingham, B. P., Inman, D. M., Lambert, W., Oglesby, E., Calkins, D. J., Steele, M. R., . . . Horner, P. J. (2008). Progressive Ganglion Cell Degeneration Precedes Neuronal Loss in a Mouse Model of Glaucoma. *Journal of Neuroscience*, 28(11), 2735-2744. doi: 10.1523/jneurosci.4443-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/11/2735>

Buckmaster, C. A., Eichenbaum, H., Amaral, D. G., Suzuki, W. A., & Rapp, P. R. (2004). Entorhinal Cortex Lesions Disrupt the Relational Organization of Memory in Monkeys. *Journal of Neuroscience*, 24(44), 9811-9825. doi: <http://www.jneurosci.org/cgi/content/abstract/24/44/9811>

Buckmaster, P. S. (2004). Prolonged Infusion of Tetrodotoxin Does Not Block Mossy Fiber Sprouting in Pilocarpine-treated Rats. *Epilepsia*, 45(5), 452-458. doi: doi:10.1111/j.0013-9580.2004.67103.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.0013-9580.2004.67103.x>

Buckmaster, P. S., Abrams, E., & Wen, X. (2017). Seizure frequency correlates with loss of dentate gyrus GABAergic neurons in a mouse model of temporal lobe epilepsy. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24226. <http://dx.doi.org/10.1002/cne.24226>

Buckmaster, P. S., & Jongen-Relo, A. L. (1999). Highly Specific Neuron Loss Preserves Lateral Inhibitory Circuits in the Dentate Gyrus of Kainate-Induced Epileptic Rats. *Journal of Neuroscience*, 19(21), 9519-9529. doi: <http://www.jneurosci.org/cgi/content/abstract/19/21/9519>

Buckmaster, P. S., Jongen-Relo, A. L., Davari, S. B., & Wong, E. H. (2000). Testing the Disinhibition Hypothesis of Epileptogenesis In Vivo and during Spontaneous Seizures. *Journal of Neuroscience*, 20(16), 6232-6240. doi: <http://www.jneurosci.org/cgi/content/abstract/20/16/6232>

Buckmaster, P. S., & Lew, F. H. (2011). Rapamycin Suppresses Mossy Fiber Sprouting But Not Seizure Frequency in a Mouse Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*, 31(6), 2337-2347. doi: 10.1523/jneurosci.4852-10.2011. <http://www.jneurosci.org/content/31/6/2337.abstract>

Buckmaster, P. S., Otero-Corchón, V., Rubinstein, M., & Low, M. J. (2002). Heightened seizure severity in somatostatin knockout mice. *Epilepsy Research*, 48(1-2), 43-56. doi.

Buckmaster, P. S., Smith, M. O., Buckmaster, C. L., LeCouteur, R. A., & Dudek, F. E. (2002). Absence of temporal lobe epilepsy pathology in dogs with medically intractable epilepsy. *Journal of Veterinary Internal Medicine*, 16(1), 95-99. doi.

Budzynski, C. A., & Bingman, V. P. (2004). Participation of the thalamofugal visual pathway in a coarse pattern discrimination task in an open arena. *Behavioural Brain Research*, 153(2), 543-556. doi.

Budzynski, C. A., Gagliardo, A., Ioale, P., & Bingman, V. P. (2002). Participation of the homing pigeon thalamofugal visual pathway in sun-compass associative learning. *European Journal of Neuroscience*, 15(1), 197-210. doi: doi:10.1046/j.0953-816x.2001.01833.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.0953-816x.2001.01833.x>

Buehlmeier, A., Barapatre, N., Schmitz, C., Edler von Koch, F., Haeussner, E., & Frank, H. G. (2019). The volume of villi with γ -sm-actin positive perivascular cells correlates with placental weight and thickness. *Placenta*, 85, 24-31. doi: <https://doi.org/10.1016/j.placenta.2019.08.082>. <http://www.sciencedirect.com/science/article/pii/S0143400419306277>

Bug, W., & Nissanov, J. (2003). A guide to building image-centric databases. *Neuroinformatics*, 1(4), 359-377. doi.

Bukhari, N., Torres, L., Robinson, J. K., & Tsirka, S. E. (2011). Axonal Regrowth after Spinal Cord Injury via Chondroitinase and the Tissue Plasminogen Activator (tPA)/Plasmin System. *Journal of Neuroscience*, 31(42), 14931-14943. doi: 10.1523/jneurosci.3339-11.2011. <http://www.jneurosci.org/content/31/42/14931.abstract>

Bukhatwa, S., Iravani, M. M., Zeng, B. Y., Cooper, J. D., Rose, S., & Jenner, P. (2009). An immunohistochemical and stereological analysis of PSI-induced nigral neuronal degeneration in the rat. *Journal of Neurochemistry*, 109, 52-59. doi.

Bull, C., Cooper, C., Lindahl, V., Fitting, S., Persson, A. I., Grandér, R., . . . Blomgren, K. (2017). Exercise in Adulthood after Irradiation of the Juvenile Brain Ameliorates Long-Term Depletion of Oligodendroglial Cells. *Radiation Research*, 0(0), null. doi: 10.1667/rr14737.1. <http://www.rjournal.org/doi/abs/10.1667/RR14737.1>

Bull, C. M., Malipatlolla, D., Kalm, M., Sjöberg, F., Alevronta, E., Grandér, R., . . . Steineck, G. (2017). A novel mouse model of radiation-induced cancer survivorship diseases of the gut. [10.1152/ajpgi.00113.2017]. *American Journal of Physiology - Gastrointestinal and Liver Physiology*. doi. <http://ajpgi.physiology.org/content/early/2017/07/19/ajpgi.00113.2017.ab...>

Bulut, E., Baş, B., Altunkaynak, B., Bekçioğlu, B., Erdem Koç, G., Gönülol, E., . . . Kaplan, S. (2014). Efficacy of Ankaferd Blood Stopper on bone healing in diabetic rats: a stereological and histopathological study. *Biotechnic and Histochemistry*, 0(0), 1-9. doi: doi:10.3109/10520295.2014.906657. <http://informahealthcare.com/doi/abs/10.3109/10520295.2014.906657>

Bulut, F., Cumbul, A., & Safak, A. S. (2020). An analysis of the histomorphometric and clinical significance of mucosal biofilm in tonsil tissue of the children with a history of recurrent/chronic tonsillitis in both the mother and father. *European Archives of Oto-Rhino- Laryngology*. doi: 10.1007/s00405-020-06111-7. <https://doi.org/10.1007/s00405-020-06111-7>

Bunce, J. G., & Barbas, H. (2011). Prefrontal pathways target excitatory and inhibitory systems in memory-related medial temporal cortices. *Neuroimage*. doi.

Bunce, J. G., Zikopoulos, B., Feinberg, M., & Barbas, H. (2013). Parallel prefrontal pathways reach distinct excitatory and inhibitory systems in memory-related rhinal cortices. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23413. <http://dx.doi.org/10.1002/cne.23413>

Bunker, G. L., & Nishi, R. (2002). Developmental Cell Death in Vivo: Rescue of Neurons Independently of Changes at Target Tissues. *Journal of Comparative Neurology*, 452, 80-92. doi.

Bureau, G., Carrier, M., Lebel, M., & Cyr, M. (2010). Intrastratial inhibition of extracellular signal-regulated kinases impaired the consolidation phase of motor skill learning. *Neurobiology of Learning and Memory*, 94(1), 107-115. doi.

Burger, C., Gorbatyuk, O. S., Velardo, M. J., Peden, C. S., Williams, P., Zolotukhin, S., . . . Muzyczka, N. (2004). Recombinant AAV Viral Vectors Pseudotyped with Viral Capsids from Serotypes 1, 2, and 5 Display Differential Efficiency and Cell Tropism after Delivery to Different Regions of the Central Nervous System. *Molecular Therapy*, 10(2). doi.

Burger, D. K., Gulbrandsen, T., Saucier, D. M., & Iwaniuk, A. N. (2014). The effects of season and sex on dentate gyrus size and neurogenesis in a wild rodent, Richardson's ground squirrel (*Urocitellus richardsonii*). *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.04.067>. <http://www.sciencedirect.com/science/article/pii/S0306452214003807>

Burger, D. K., Saucier, J. M., Iwaniuk, A. N., & Saucier, D. M. (2012). Seasonal and sex differences in the hippocampus of a wild rodent. *Behavioural Brain Research*, (0). doi: 10.1016/j.bbr.2012.08.044. <http://www.sciencedirect.com/science/article/pii/S0166432812005700>

Burgess, A., & Aubert, I. (2006). Polysialic acid limits choline acetyltransferase activity induced by brain-derived neurotrophic factor. *Journal of Neurochemistry*, 99(3), 797-806. doi: doi:10.1111/j.1471-4159.2006.04110.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.04110.x>

Burgess, A., Saini, S., Weng, Y. Q., & Aubert, I. (2009). Stimulation of choline acetyltransferase by C3d, a neural cell adhesion molecule ligand. *Journal of Neuroscience Research*, 87(3), 609-616. doi.

Burgess, A., Wainwright, S. R., Shihabuddin, L. S., Rutishauser, U., Seki, T., & Aubert, I. (2008). Polysialic acid regulates the clustering, migration, and neuronal differentiation of progenitor cells in the adult hippocampus. *Developmental Neurobiology*, 68(14), 1580-1590. doi.

Burgess, A., Weng, Y. Q., Ypsilanti, A. R., Cui, X., Caines, G., & Aubert, I. (2007). Polysialic acid limits septal neurite outgrowth on laminin. *Brain Research*, 1144, 52-58. doi.

Burianová, J., Ouda, L., & Syka, J. (2015). The influence of aging on the number of neurons and levels of non-phosphorylated neurofilament proteins in the central auditory system of rats. [Original Research]. *Frontiers in Aging Neuroscience*, 7. doi: 10.3389/fnagi.2015.00027.
http://www.frontiersin.org/Journal/Abstract.aspx?s=18&name=aging_neurosc..

Burke, M. R., Adkins-Regan, E., & Wade, J. (2007). Laterality in syrinx muscle morphology of the Japanese quail (< i> Coturnix japonica). *Physiology and Behavior*, 90(4), 682-686. doi.

Burks, S. S., Anthony, D., Agnes, E. H., Natalia de la, O., Rajiv, M., & Allan, D. L. (2021). Schwann cell delivery via a novel 3D collagen matrix conduit improves outcomes in critical length nerve gap repairs. *Journal of Neurosurgery JNS*, 1-11. doi: 10.3171/2020.8.jns202349. <https://thejns.org/view/journals/j-neurosurg/aop/article-10.3171-2020.8....>

Burns, T., Miers, L., Xu, J., Man, A., Moreno, M., Pleasure, D., & Bannerman, P. (2014). Neuronopathy in the Motor Neocortex in a Chronic Model of Multiple Sclerosis. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.000000000000058. doi. http://journals.lww.com/jneuropath/Fulltext/publishahead/Neuronopathy_in...

Buser, J. R., Maire, J., Riddle, A., Gong, X., Nguyen, T., Nelson, K., . . . others. (2012). Arrested preoligodendrocyte maturation contributes to myelination failure in premature infants. *Annals of Neurology*, 71(1), 93-109. doi.

Bush, A. L., & Hyson, R. L. (2006). Lithium increases BCL-2 expression in chick cochlear nucleus and protects against deafferentation-induced cell death. *Neuroscience*, 138(4), 1341-1349. doi.

Bush, E. C., & Allman, J. M. (2004). Three-Dimensional Structure and Evolution of Primate Primary Visual Cortex. *Anatomical Report, Part A*(281A), 1088-1094. doi.

Bustos, B. I., Pérez-Palma, E., Buch, S., Azócar, L., Riveras, E., Ugarte, G. D., . . . Miquel, J. F. (2019). Variants in ABCG8 and TRAF3 genes confer risk for gallstone disease in admixed Latinos with Mapuche Native American ancestry. *Scientific Reports*, 9(1), 772. doi: 10.1038/s41598-018-35852-z. <https://doi.org/10.1038/s41598-018-35852-z>

Butler, R. K., Oliver, E. M., Fadel, J. R., & Wilson, M. A. (2018). Hemispheric differences in the number of parvalbumin-positive neurons in subdivisions of the rat basolateral amygdala complex. *Brain Research*, 1678(Supplement C), 214-219. doi: <https://doi.org/10.1016/j.brainres.2017.10.028>.
<http://www.sciencedirect.com/science/article/pii/S0006899317304882>

Butti, C., & Hof, P. R. (2010). The insular cortex: a comparative perspective. *Brain Structure and Function*, 214(5), 477-493. doi.

Butti, C., Sherwood, C. C., Hakeem, A. Y., Allman, J. M., & Hof, P. R. (2009). Total number and volume of Von Economo neurons in the cerebral cortex of cetaceans. *Journal of Comparative Neurology*, 515(2), 243-259. doi.

Buxbaum, J. N., Roberts, A. J., Adame, A., & Masliah, E. (2014). Silencing of murine transthyretin and retinol binding protein genes have distinct and shared behavioral and neuropathologic effects. *Neuroscience*, (0).
doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.06.019>.
<http://www.sciencedirect.com/science/article/pii/S0306452214005041>

Bye, C. R., Thompson, L. H., & Parish, C. L. (2012). Birth dating of midbrain dopamine neurons identifies Ag enriched tissue for transplantation into Parkinsonian mice. *Experimental Neurology*. doi.

Byers, J. S., Huguenard, A. L., Kuruppu, D., Liu, N. K., Xu, X. M., & Sengelaub, D. R. (2012). Neuroprotective effects of testosterone on motoneuron and muscle morphology following spinal cord injury. *Journal of Comparative Neurology*. doi.

Byrnes, K. R., Loane, D. J., Stoica, B. A., Zhang, J., & Faden, A. I. (2012). Delayed mGluR5 activation limits neuroinflammation and neurodegeneration after traumatic brain injury. *Journal of neuroinflammation*, 9(1), 43-43. doi.

Byrns, C. N., Pitts, M. W., Gilman, C. A., Hashimoto, A. C., & Berry, M. J. (2014). Mice Lacking Selenoprotein P and Selenocysteine Lyase Exhibit Severe Neurological Dysfunction, Neurodegeneration, and Audiogenic Seizures. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M113.540682. <http://www.jbc.org/content/early/2014/02/11/jbc.M113.540682.abstract>

Cabreiro, F., Au, C., Leung, K. Y., Vergara-Irigaray, N., Cocheme, H. M., & Noori, T. (2013). Metformin retards aging in *C. elegans* by altering microbial folate and methionine metabolism. *Cell*, 153. doi: 10.1016/j.cell.2013.02.035. <http://dx.doi.org/10.1016/j.cell.2013.02.035>

Cabungcal, J.-H., Counotte, Danielle S., Lewis, E. M., Tejeda, Hugo A., Piantadosi, P., Pollock, C., . . . O'Donnell, P. (2014). Juvenile Antioxidant Treatment Prevents Adult Deficits in a Developmental Model of Schizophrenia. *Neuron*, (0).
doi: <http://dx.doi.org/10.1016/j.neuron.2014.07.028>. <http://www.sciencedirect.com/science/article/pii/S0896627314006394>

Cabungcal, J.-H., Steullet, P., Kraftsik, R., Cuenod, M., & Do, K. Q. (2012). Early-Life Insults Impair Parvalbumin Interneurons via Oxidative Stress: Reversal by N-Acetylcysteine. *Biological Psychiatry*.
doi: <http://linkinghub.elsevier.com/retrieve/pii/S0006322312008463?showall=true>

Caccamo, A., Magri, A., Medina, D. X., Wisely, E. V., Lopez-Aranda, M. F., & Silva, A. J. (2013). mTOR regulates tau phosphorylation and degradation: implications for Alzheimer's disease

and other tauopathies. *Aging cell*, 12. doi:

10.1111/acer.12057. <http://dx.doi.org/10.1111/acer.12057>

Caccamo, A., Majumder, S., Richardson, A., Strong, R., & Oddo, S. (2010). Molecular interplay between mammalian target of rapamycin (mTOR), amyloid-beta, and Tau: effects on cognitive impairments. *Journal of Biological Chemistry*, 285. doi:

10.1074/jbc.M110.100420. <http://dx.doi.org/10.1074/jbc.M110.100420>

Cahill, S. P., Hatchard, T., Abizaid, A., & Holahan, M. R. (2014). An examination of early neural and cognitive alterations in hippocampal-spatial function of ghrelin receptor-deficient rats. *Behavioural Brain Research*, (0). doi:

<http://dx.doi.org/10.1016/j.bbr.2014.02.004>.

<http://www.sciencedirect.com/science/article/pii/S0166432814000710>

Cai, L., Bakalli, H., & Rinaman, L. (2012). Yohimbine Anxiogenesis in the Elevated Plus Maze is Disrupted by Bilaterally Disconnecting the Bed Nucleus of the Stria Terminalis from the Central Nucleus of the Amygdala. *Neuroscience*, (0). doi:

10.1016/j.neuroscience.2012.08.008.

<http://www.sciencedirect.com/science/article/pii/S0306452212008287?v=s5>

Cai, Y., Chew, C., Muñoz, F., & Sengelaub, D. R. (2016). Neuroprotective effects of testosterone metabolites and dependency on receptor action on the morphology of somatic motoneurons following the death of neighboring motoneurons. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22445. <http://dx.doi.org/10.1002/dneu.22445>

Caiazzo, M., Dell'Anno, M. T., Dvoretzkova, E., Lazarevic, D., Taverna, S., Leo, D., . . . Broccoli, V. (2011). Direct generation of functional dopaminergic neurons from mouse and human fibroblasts. [10.1038/nature10284]. *Nature*, advance online publication. doi: [http://www.nature.com/nature/journal/vaop/ncurrent/abs/nature10284.html#](http://www.nature.com/nature/journal/vaop/ncurrent/abs/nature10284.html#p:)

<http://www.nature.com/nature/journal/vaop/ncurrent/abs/nature10284.html#p:>
<http://dx.doi.org/10.1038/nature10284>

Cain, J. T., Berosik, M. A., Snyder, S. D., Crawford, N. F., Nour, S. I., Schaubhut, G. J., & Darland, D. C. (2013). Shifts in the Vascular endothelial growth factor (Vegf) isoforms result in transcriptome changes correlated with early neural stem cell proliferation and differentiation in mouse forebrain. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22130. <http://dx.doi.org/10.1002/dneu.22130>

Caldwell, A. S. L., Edwards, M. C., Desai, R., Jimenez, M., Gilchrist, R. B., Handelsman, D. J., & Walters, K. A. (2017). Neuroendocrine androgen action is a key extraovarian mediator in the development of polycystic ovary syndrome. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1616467114.

<http://www.pnas.org/content/early/2017/03/16/1616467114.abstract>

Caldwell, A. S. L., Middleton, L. J., Jimenez, M., Desai, R., McMahon, A. C., Allan, C. M., . . . Walters, K. A. (2014). Characterization of reproductive, metabolic and endocrine features of polycystic ovary syndrome in female hyperandrogenic mouse models. *Endocrinology*, en.2014-1196. doi: 10.1210/en.2014-1196.

<http://dx.doi.org/10.1210/en.2014-1196>

Caleo, M., Cenni, M. C., Costa, M., Menna, E., Zentilin, L., Giadrossi, S., . . . Maffei, L. (2002). Expression of BCL-2 via adeno-associated virus vectors rescues thalamic neurons after visual cortex lesion in the adult rat. *European Journal of Neuroscience*, 15(8), 1271-1277. doi: doi:10.1046/j.1460-9568.2002.01962.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2002.01962.x>

Caleo, M., Medini, P., von Bartheld, C. S., & Maffei, L. (2003). Provision of Brain-Derived Neurotrophic Factor via Anterograde Transport from the Eye Preserves the Physiological Responses of Axotomized Geniculate Neurons. *Journal of Neuroscience*, 23(1), 287-296. doi: <http://www.jneurosci.org/cgi/content/abstract/23/1/287>

Caleo, M., Menna, E., Chierzi, S., Cenni, M. C., & Maffei, L. (2000). Brain-derived neurotrophic factor is an anterograde survival factor in the rat visual system. *Current Biology*, 10(19), 1155- 1161. doi:

Caleo, M., Restani, L., Gianfranceschi, L., Costantin, L., Rossi, C., Rossetto, O., . . . Maffei, L. (2007). Transient Synaptic Silencing of Developing Striate Cortex Has Persistent Effects on Visual Function and Plasticity. *Journal of Neuroscience*, 27(17), 4530-4540. doi: 10.1523/jneurosci.0772-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/17/4530>

Caleo, M., Restani, L., Vannini, E., Siskova, Z., Al-Malki, H., Morgan, R., . . . Perry, V. H. (2012). The Role of Activity in Synaptic Degeneration in a Protein Misfolding Disease, Prion Disease. *Plos one*, 7(7), e41182. doi: 10.1371/journal.pone.0041182. <http://dx.doi.org/10.1371%2Fjournal.pone.0041182>

Calhoun, M. E., Fletcher, B. R., Yi, S., Zentko, D. C., Gallagher, M., & Rapp, P. R. (2008). Age- related spatial learning impairment is unrelated to spinophilin immunoreactive spine number and protein levels in rat hippocampus. *Neurobiology of Aging*, 29(8), 1256-1264. doi:

Calhoun, M. E., Mao, Y., Roberts, J. A., & Rapp, P. R. (2004). Reduction in hippocampal cholinergic innervation is unrelated to recognition memory impairment in aged rhesus monkeys. *Journal of Comparative Neurology*, 475(2), 238-246. doi:

Calignon, A., Fox, L. M., Pitstick, R., Carlson, G. A., Bacskai, B. J., & Spires-Jones, T. L. (2010). Caspase activation precedes and leads to tangles. *Nature*, 464. doi: 10.1038/nature08890. <http://dx.doi.org/10.1038/nature08890>

Calik, I., Yayla, M., Cinar, I., Cadirci, E., Albayrak, A., Sirin, B., . . . Halici, Z. (2020). LP44 (4-[2- (methylthio)phenyl]-N-(1,2,3,4-tetrahydronaphthalen-1-yl)-1-piperazinehexanamide) exerts anti-ulcer effects via 5-hydroxytryptamine receptor 7 activation on indomethacin-induced gastric ulcers in rats. *Inflammopharmacology*. doi: 10.1007/s10787-020-00725-3. <https://doi.org/10.1007/s10787-020-00725-3>

Calingasan, N. Y., Ho, D. J., Wille, E. J., Campagna, M. V., Ruan, J., Dumont, M., . . . Beal, M. F. (2008). Influence of mitochondrial enzyme deficiency on adult neurogenesis in mouse models of neurodegenerative diseases. *Neuroscience*, 153(4), 986-996. doi:

Calió, M. L., Mosini, A. C., Marinho, D. S., Salles, G. N., Massinhan, F. H., Ko, G. M., & Porcionatto, M. A. (2021). Leptin enhances adult neurogenesis and reduces pathological features in a transgenic mouse model of Alzheimer's disease. *Neurobiology of Disease*, 148, 105219.

doi: <https://doi.org/10.1016/j.nbd.2020.105219>.

<http://www.sciencedirect.com/science/article/pii/S0969996120304940>

Calkins, M. J., Jakel, R. J., Johnson, D. A., Chan, K., Kan, Y. W., & Johnson, J. A. (2005). Protection from mitochondrial complex II inhibition in vitro and in vivo by Nrf2-mediated transcription. *Proceedings of the National Academy of Sciences*, 102(1), 244-249.

doi: <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/102/1/244>

Calvez, J., de Ávila, C., Guèvremont, G., & Timofeeva, E. (2016). Sex-specific effects of chronic administration of relaxin-3 on food intake, body weight and hypothalamo-pituitary-gonadal axis in rats. *Journal of Neuroendocrinology*, n/a-n/a. doi:

10.1111/jne.12439. <http://dx.doi.org/10.1111/jne.12439>

Calvez, J., de Ávila, C., Guèvremont, G., & Timofeeva, E. (2016). Stress differentially regulates brain expression of corticotropin-releasing factor in binge-like eating prone and resistant female rats. *Appetite*, 107, 585-595.

doi: <http://dx.doi.org/10.1016/j.appet.2016.09.010>.

<http://www.sciencedirect.com/science/article/pii/S0195666316304585>

Calvez, J., Lenglos, C., de Ávila, C., Guèvremont, G., & Timofeeva, E. (2015). Differential effects of central administration of relaxin-3 on food intake and hypothalamic neuropeptides in male and female rats. *Genes, Brain and Behavior*, n/a-n/a. doi:

10.1111/gbb.12236. <http://dx.doi.org/10.1111/gbb.12236>

Camacho, J., Ejaz, E., Ariza, J., Noctor, S. C., & Martínez-Cerdeño, V. (2014). RELN-expressing neuron density in layer I of the superior temporal lobe is similar in human brains with autism and in age-matched controls. *Neuroscience Letters*, (0).

doi: <http://dx.doi.org/10.1016/j.neulet.2014.07.031>.

<http://www.sciencedirect.com/science/article/pii/S0304394014006041>

Camelo, S., Iglesias, A. H., Hwang, D., Due, B., Ryu, H., Smith, K., . . . others. (2005). Transcriptional therapy with the histone deacetylase inhibitor trichostatin A ameliorates experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, 164(1-2), 10-21. doi:

Cameron, S. H., Alwakeel, A. J., Goddard, L., Hobbs, C. E., Gowing, E. K., Barnett, E. R., . . . Oorschot, D. E. (2015). Delayed post-treatment with bone marrow-derived mesenchymal stem cells is neurorestorative of striatal medium-spiny projection neurons and improves motor function after neonatal rat hypoxia-ischemia. *Molecular and Cellular Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.mcn.2015.03.019>.

<http://www.sciencedirect.com/science/article/pii/S1044743115000482>

Campbell, S. L., Robel, S., Cuddapah, V. A., Robert, S., Buckingham, S. C., Kahle, K. T., & Sontheimer, H. (2014). GABAergic disinhibition and impaired KCC2 cotransporter activity underlie tumor-associated epilepsy. *Glia*, n/a-n/a. doi: 10.1002/glia.22730. <http://dx.doi.org/10.1002/glia.22730>

Campeau, L., Soler, R., Sittadjody, S., Pareta, R., Nomiya, M., Zarifpour, M., . . . Andersson, K. E. (2013). Effects of allogeneic bone marrow-derived mesenchymal stromal cell therapy on voiding function in a rat model of Parkinson's disease. *The Journal of urology*, (0). doi: <http://dx.doi.org/10.1016/j.juro.2013.08.026>.
<http://www.sciencedirect.com/science/article/pii/S002253471305146X>

Campolo, M., Casili, G., Biundo, F., Crupi, R., Cordaro, M., Cuzzocrea, S., & esposito, e. (2016). The neuroprotective effect of dimethyl fumarate in a MPTP-mouse model of Parkinson's disease: involvement of reactive oxygen species/nuclear factor- κ B/nuclear transcription factor related to NF-E2. *Antioxidants & redox signaling*. doi: 10.1089/ars.2016.6800. <http://dx.doi.org/10.1089/ars.2016.6800>

Campos, V. E., Du, M., & Li, Y. (2004). Increased seizure susceptibility and cortical malformation in β -catenin mutant mice. *Biochemical and Biophysical Research Communications*, 320(2), 606-614. doi.

Can, Ö. D., Ulupnar, E., Özkay, Ü. D., Yegin, B., & Öztürk, Y. (2012). The effect of simvastatin treatment on behavioral parameters, cognitive performance, and hippocampal morphology in rats fed a standard or a high-fat diet. *Behavioural Pharmacology*, Publish Ahead of Print, 10.1097/FBP.1090b1013e328356c328353f328352. doi. http://journals.lww.com/behaviouralpharm/Fulltext/publishahead/The_effec...

Can, S., Selli, J., Buyuk, B., Aydin, S., Kocaaslan, R., & Guvendi, G. F. (2015). The Effect of Estrogen Usage on Eccentric Exercise-Induced Damage in Rat Testes. [Research Article]. *Iran Red Crescent Med J*, 17(4), e22521. doi: 10.5812/ircmj.17(4)2015.22521. http://ircmj.com/?page=article&article_id=22521

Çanakçı, E., Akalp Özmen, S., Çolak, M. F., & Kürşad, H. (2016). Histopathologic comparison of dexmedetomidine's and thiopental's cerebral protective effects on focal cerebral ischemia in rats. *Brazilian Journal of Anesthesiology (English Edition)*. doi: <http://dx.doi.org/10.1016/j.bjane.2015.03.009>.
<http://www.sciencedirect.com/science/article/pii/S0104001415001657>

Canales, J. J. (2004). Catalase-independent early-gene expression in rat brain following acute ethanol exposure. *Brain Research*, 1016(1), 96-101. doi.

Canan, S., Bahadır, A., Yildirim, S., Odaci, E., Sahin, B., Bas, O., . . . Kaplan, S. (2004). Stereolojik Uygulamalarda Kullanılan Pratik Gereçler ve Bilgisayar Destekli Stereolojik Analiz Cihazları. *Türkiye Klinikleri Journal of Medical Science*, 24, 672-680. doi.

Candolfi, M., Curtin, J. F., Xiong, W.-D., Kroeger, K. M., Liu, C., Rentsendorj, A., . . . Castro, M. G. (2006). Effective High-Capacity Gutless Adenoviral Vectors Mediate Transgene Expression in Human Glioma Cells. *Molecular Therapy*, 14, 371-381. doi.

Candolfi, M., Pluhar, G. E., Kroeger, K., Puntel, M., Curtin, J., Barcia, C., . . . others. (2007). Optimization of adenoviral vector-mediated transgene expression in the canine brain in vivo, and in canine glioma cells in vitro. *Neuro-oncology*, 9(3), 245-258. doi:

Canese, R., Zoratto, F., Altabella, L., Porcari, P., Mercurio, L., de Pasquale, F., . . . Adriani, W. (2014). Persistent modification of forebrain networks and metabolism in rats following adolescent exposure to a 5-HT₇ receptor agonist. *Psychopharmacology*, 1-15. doi: 10.1007/s00213-014-3639-6. <http://dx.doi.org/10.1007/s00213-014-3639-6>

Canetta, S., Bolkan, S., Padilla-Coreano, N., Song, L. J., Sahn, R., Harrison, N. L., . . . Kellendonk, C. (2016). Maternal immune activation leads to selective functional deficits in offspring parvalbumin interneurons. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2015.222. <http://dx.doi.org/10.1038/mp.2015.222>

Canneva, F., Golub, Y., Distler, J., Dobner, J., Meyer, S., & von Hörsten, S. (2015). DPP4- deficient congenic rats display blunted stress, improved fear extinction and increased central NPY. *Psychoneuroendocrinology*, 53, 195-206. doi: 10.1016/j.psyneuen.2015.01.007. [http://www.psyneuen-journal.com/article/S0306-4530\(15\)00021-9/abstract](http://www.psyneuen-journal.com/article/S0306-4530(15)00021-9/abstract)

Cannon, J. R., Tapias, V., Na, H. M., Honick, A. S., Drolet, R. E., & Greenamyre, J. T. (2009). A highly reproducible rotenone model of Parkinson's disease. *Neurobiology of Disease*, 34(2), 279-290. doi:

Cao, M., Wu, Y., Ashrafi, G., McCartney, A. J., Wheeler, H., Bushong, E. A., . . . De Camilli, P. (2017). Parkinson Sac Domain Mutation in Synaptotagmin 1 Impairs Clathrin Uncoating at Synapses and Triggers Dystrophic Changes in Dopaminergic Axons. *Neuron*, 93(4), 882-896.e885. doi: <http://dx.doi.org/10.1016/j.neuron.2017.01.019>. <http://www.sciencedirect.com/science/article/pii/S0896627317300430>

Cao, P., Liang, Y., Gao, X., Zhao, M.-G., & Liang, G.-B. (2013). Administration of MS-275 Improves Cognitive Performance and Reduces Cell Death Following Traumatic Brain Injury in Rats. *CNS Neuroscience & Therapeutics*, n/a-n/a. doi: 10.1111/cns.12082. <http://dx.doi.org/10.1111/cns.12082>

Cao, Q., He, Q., Wang, Y., Cheng, X., Howard, R. M., Zhang, Y., . . . others. (2010). Transplantation of CNTF-expressing adult oligodendrocyte precursor cells promotes remyelination and functional recovery after spinal cord injury. *Journal of Neuroscience*, 30(8), 2989-2989. doi:

Cao, Q., He, Q., Wang, Y., Cheng, X., Howard, R. M., Zhang, Y., . . . Whittemore, S. R. (2010). Transplantation of Ciliary Neurotrophic Factor-Expressing Adult Oligodendrocyte Precursor Cells Promotes Remyelination and Functional Recovery after SpinalCord Injury. *Journal of Neuroscience*, 30(8), 2989-3001. doi: 10.1523/jneurosci.3174-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/8/2989>

Capellini, T. D., Zewdu, R., Di Giacomo, G., Asciutti, S., Kugler, J. E., Di Gregorio, A., & Selleri, L. (2008). Pbx1/Pbx2 govern axial skeletal development by controlling Polycomb and Hox in mesoderm and Pax1/Pax9 in sclerotome. *Developmental Biology*, 321(2), 500-514. doi.

Capone, C., Frigerio, S., Fumagalli, S., Gelati, M., Principato, M. C., Storini, C., . . . Simoni, M. G. (2007). Neurosphere-derived cells exert a neuroprotective action by changing the ischemic microenvironment. *PLoS ONE*, 2(e373). doi.

Cappello, S., Böhringer, Christian R. J., Bergami, M., Conzelmann, K.-K., Ghanem, A., Tomassy, Giulio S., . . . Götz, M. (2012). A Radial Glia-Specific Role of RhoA in Double Cortex Formation. *Neuron*, 73(5), 911-924. doi: 10.1016/j.neuron.2011.12.030. http://www.sciencedirect.com/science/article/pii/S0896627_312000803

Caracciolo, L., Marosi, M., Mazzitelli, J., Latifi, S., Sano, Y., Galvan, L., . . . Carmichael, S. T. (2018). CREB controls cortical circuit plasticity and functional recovery after stroke. *Nature Communications*, 9(1), 2250. doi: 10.1038/s41467-018-04445-9. <https://doi.org/10.1038/s41467-018-04445-9>

Carassiti, D., Altmann, D. R., Petrova, N., Pakkenberg, B., Scaravilli, F., & Schmierer, K. (2017). Neuronal loss, demyelination and volume change in the multiple sclerosis neocortex. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12405. <http://dx.doi.org/10.1111/nan.12405>

Carballo-Carbajal, I., Laguna, A., Romero-Giménez, J., Cuadros, T., Bové, J., Martínez-Vicente, M., . . . Vila, M. (2019). Brain tyrosinase overexpression implicates age-dependent neuromelanin production in Parkinson's disease pathogenesis. *Nature Communications*, 10(1), 973. doi: 10.1038/s41467-019-08858-y. <https://doi.org/10.1038/s41467-019-08858-y>

Card, J. P., Kobiler, O., Ludmir, E. B., Desai, V., Sved, A. F., & Enquist, L. W. (2011). A dual infection pseudorabies virus conditional reporter approach to identify projections to collateralized neurons in complex neural circuits. *PLoS ONE*, 6(6), e21141-e21141. doi.

Card, J. P., Lois, J., & Sved, A. F. (2010). Distribution and phenotype of Phox2a-containing neurons in the adult sprague-dawley rat. *Journal of Comparative Neurology*, 518(12), 2202- 2220. doi.

Card, J. P., Sved, J. C., Craig, B., Raizada, M., Vazquez, J., & Sved, A. F. (2006). Efferent projections of rat rostroventrolateral medulla C1 catecholamine neurons: Implications for the central control of cardiovascular regulation. *Journal of Comparative Neurology*, 499(5), 840-859. doi.

Cardinale, A., Paldino, E., Giampà, C., Bernardi, G., & Fusco, F. R. (2015). PARP-1 Inhibition Is Neuroprotective in the R6/2 Mouse Model of Huntington's Disease. *Plos one*, 10(8), e0134482. doi: 10.1371/journal.pone.0134482. <http://dx.doi.org/10.1371%2Fjournal.pone.0134482>

Cardoso, H. D., Santos Junior, E. F., de Santana, D. F., Gonçalves-Pimentel, C., Angelim, M. K., Isaac, A. R., . . . da Silveira Andrade-da-Costa, B. L. (2013). Omega-3 deficiency and

neurodegeneration in the substantia nigra: Involvement of increased nitric oxide production and reduced BDNF expression. *Biochimica et Biophysica Acta (BBA) - General Subjects*, (0). doi: <http://dx.doi.org/10.1016/j.bbagen.2013.12.023>.
<http://www.sciencedirect.com/science/article/pii/S0304416513005515>

Cargill, K., Hemker, S. L., Clugston, A., Murali, A., Mukherjee, E., Liu, J., . . . Sims-Lucas, S. (2019). Von Hippel-Lindau Acts as a Metabolic Switch Controlling Nephron Progenitor Differentiation. *Journal of the American Society of Nephrology*, *ASN.2018111170*. doi: 10.1681/asn.2018111170.
<http://jasn.asnjournals.org/content/early/2019/05/28/ASN.2018111170.abst...>

Carlson, M., Toelen, J., Van der Perren, A., Vandenberghe, L. H., Reumers, V., Sbragia, L., . . . others. (2010). Efficient gene transfer into the mouse lung by fetal intratracheal injection of rAAV2/6.2. *Molecular Therapy*, *18*(12), 2130-2138. doi.

Carlson, M. S., Vidović, D., Dooley, J., Mori da Cunha, M., Maris, M., Lampi, Y., . . . Deprest, J. (2014). Immunological ignorance allows long-term gene expression following perinatal rAAV-mediated gene transfer to murine airways. *Human Gene Therapy*, (ja).
doi: <http://online.liebertpub.com/doi/abs/10.1089/hum.2013.196>

Carlsson, T., Schindler, F. R., Höllerhage, M., Depboylu, C., Arias-Carrión, O., Schnurrbusch, S., . . . Höglinger, G. U. (2011). Systemic administration of neuregulin-1 β protects dopaminergic neurons in a mouse model of Parkinson's disease. *Journal of Neurochemistry*, *117*(6), 1066- 1074. doi: 10.1111/j.1471-4159.2011.07284.x.
<http://dx.doi.org/10.1111/j.1471-4159.2011.07284.x>

Carlsson, Y., Leverin, A. L., Hedtjörn, M., Wang, X., Mallard, C., & Hagberg, H. (2009). Role of mixed lineage kinase inhibition in neonatal hypoxia-ischemia. *Developmental Neuroscience*, *31*(5), 420-426. doi.

Carmel, J. B., Berrol, L. J., Brus-Ramer, M., & Martin, J. H. (2010). Chronic Electrical Stimulation of the Intact Corticospinal System after Unilateral Injury Restores Skilled Locomotor Control and Promotes Spinal Axon Outgrowth. *Journal of Neuroscience*, *30*(32), 10918-10926. doi: 10.1523/jneurosci.1435-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/32/10918>

Carmel, J. B., Kimura, H., Berrol, L. J., & Martin, J. H. (2013). Motor cortex electrical stimulation promotes axon outgrowth to brain stem and spinal targets that control the forelimb impaired by unilateral corticospinal injury. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12119. <http://dx.doi.org/10.1111/ejn.12119>

Carmichael, S. T., Archibeque, J., Luke, L., Nolan, T., Momiy, J., & Li, S. (2005). Growth-associated gene expression after stroke: evidence for a growth-promoting region in peri-infarct cortex. *Experimental Neurology*, *193*(2), 291-311. doi.

Caron, N. S., Southwell, A. L., Brouwers, C. C., Cengio, L. D., Xie, Y., Black, H. F., . . . Hayden, M. R. (2019). Potent and sustained huntingtin lowering via AAV5 encoding miRNA preserves striatal volume and cognitive function in a humanized mouse model of Huntington disease. *Nucleic Acids Research*. doi: 10.1093/nar/gkz976.
<https://doi.org/10.1093/nar/gkz976>

Carpenter, A., Paulus, A., Robinson, M., Bates, C. M., Robinson, M. L., Hains, D., . . . McHugh, K. M. (2012). 3-dimensional morphometric analysis of murine bladder development and dysmorphogenesis. *Developmental Dynamics*, 241(3), 522-533. doi: 10.1002/dvdy.23744. <http://dx.doi.org/10.1002/dvdy.23744>

Carreras, I., Aytan, N., Choi, J.-K., Tognoni, C. M., Kowall, N. W., Jenkins, B. G., & Dedeoglu, A. (2019). Dual dose-dependent effects of fingolimod in a mouse model of Alzheimer's disease. *Scientific Reports*, 9(1), 10972. doi: 10.1038/s41598-019-47287-1. <https://doi.org/10.1038/s41598-019-47287-1>

Carreras, I., Aytan, N., Mellott, T., Choi, J.-K., Lehar, M., Crabtree, L., . . . Dedeoglu, A. (2018). Anxiety, neuroinflammation, cholinergic and GABAergic abnormalities are early markers of Gulf War illness in a mouse model of the disease. *Brain Research*, 1681, 34-43. doi: <https://doi.org/10.1016/j.brainres.2017.12.030>. <https://www.sciencedirect.com/science/article/pii/S0006899317305644>

Carreras, I., Yuruker, S., Aytan, N., Hossain, L., Choi, J. K., Jenkins, B. G., . . . Dedeoglu, A. (2010). Moderate exercise delays the motor performance decline in a transgenic model of ALS. *Brain Research*, 1313, 192-201. doi.

Carrica, L., Li, L., Newville, J., Kenton, J., Gustus, K., Brigman, J., & Cunningham, L. A. (2019). Genetic inactivation of hypoxia inducible factor 1-alpha (HIF-1 α) in adult hippocampal progenitors impairs neurogenesis and pattern discrimination learning. *Neurobiology of Learning and Memory*, 157, 79-85. doi: <https://doi.org/10.1016/j.nlm.2018.12.002>. <http://www.sciencedirect.com/science/article/pii/S1074742718302788>

Carrier, N., & Kabbaj, M. (2012). Extracellular Signal-Regulated Kinase 2 Signaling in the Hippocampal Dentate Gyrus Mediates the Antidepressant Effects of Testosterone. *Biological Psychiatry*. doi.

Carroll, J. B., Lerch, J. P., Franciosi, S., Spreeuw, A., Bissada, N., Henkelman, R. M., & Hayden, M. R. (2011). Natural history of disease in the YAC128 mouse reveals a discrete signature of pathology in Huntington disease. *Neurobiology of Disease*. doi.

Carryl, H., Van Rompay, K., De Paris, K., & Burke, M. (2017). Hippocampal Neuronal Loss in Infant Macaques Orally Infected with Virulent Simian Immunodeficiency Virus (SIV). *Brain Sciences*, 7(4), 40. doi. <http://www.mdpi.com/2076-3425/7/4/40>

Carter, J. H., Lefebvre, J. M., Wiest, D. L., & Tourtellotte, W. G. (2007). Redundant Role for Early Growth Response Transcriptional Regulators in Thymocyte Differentiation and Survival. *Journal of Immunology*, 178, 6796-6805. doi.

Cartier, A. E., Ubhi, K., Spencer, B., Vazquez-Roque, R. A., Kosberg, K. A., Fourgeaud, L., . . . Patrick, G. N. (2012). Differential Effects of UCHL1 Modulation on Alpha-Synuclein in PD-Like Models of Alpha-Synucleinopathy. *PLoS ONE*, 7(4), e34713. doi.

Carzoli, K. L., & Hyson, R. L. (2010). In vivo analysis of the role of metabotropic glutamate receptors in the afferent regulation of chick cochlear nucleus neurons. *Hearing Research*. doi.

Casaca-Carreira, J., Temel, Y., Larrakoetxea, I., & Jahanshahi, A. (2016). Distribution and Penetration of Intracerebroventricularly Administered 2'OMePS Oligonucleotide in the Mouse Brain. *Nucleic Acid Therapeutics*. doi: 10.1089/nat.2016.0642. <http://dx.doi.org/10.1089/nat.2016.0642>

Casanova, M. F., El-Baz, A., Vanbogaert, E., Narahari, P., & Switala, A. (2010). A Topographic Study of Minicolumnar Core Width by Lamina Comparison between Autistic Subjects and Controls: Possible Minicolumnar Disruption due to an Anatomical Element In-Common to Multiple Laminae. *Brain Pathology*, 20(2), 451-458. doi.

Casanova, M. F., El-Baz, A., Vanbogaert, E., Narahari, P., & Trippe, J. (2009). Minicolumnar width: comparison between supragranular and infragranular layers. *Journal of Neuroscience Methods*, 184(1), 19-24. doi.

Casanova, M. F., Kooten, I. A. J. v., Switala, A. E., Engeland, H. v., Heinsen, H., Steinbusch, H. W. M., . . . Schmitz, C. (2006). Minicolumnar abnormalities in autism. *Acta Neuropathologica*, 112(3). doi.

Casanova, M. F., Van Kooten, I., Switala, A. E., Van Engeland, H., Heinsen, H., Steinbusch, H. W. M., . . . Schmitz, C. (2006). Abnormalities of cortical minicolumnar organization in the prefrontal lobes of autistic patients. *Clinical Neuroscience Research*, 6(3-4), 127-133. doi.

Casella, G. T. B., Bunge, M. B., & Wood, P. M. (2006). Endothelial cell loss is not a major cause of neuronal and glial cell death following contusion injury of the spinal cord. *Experimental Neurology*, 202(1), 8-20. doi.

Casili, G., Campolo, M., paterniti, i., Lanza, M., Filippone, A., cuzzocrea, s., & Esposito, E. (2018). Dimethyl fumarate attenuates neuroinflammation and neurobehavioral deficits induced by experimental traumatic brain injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5260. <https://doi.org/10.1089/neu.2017.5260>

Castaneda, M. T., Sanabria, E. R. G., Hernandez, S., Ayala, A., Reyna, T. A., Wu, J. Y., & Colom, L. V. (2005). Glutamic acid decarboxylase isoforms are differentially distributed in the septal region of the rat. *Neuroscience Research*, 52(1), 107-119. doi.

Casteels, C., Lauwers, E., Baitar, A., Bormans, G., Baekelandt, V., & Van Laere, K. (2010). In vivo type 1 cannabinoid receptor mapping in the 6-hydroxydopamine lesion rat model of Parkinson's disease. *Brain Research*, 1316, 153-162. doi.

Casteels, C., Lauwers, E., Bormans, G., Baekelandt, V., & Van Laere, K. (2008). Metabolic-dopaminergic mapping of the 6-hydroxydopamine rat model for Parkinson's disease. *European Journal of Nuclear Medicine and Molecular Imaging*, 35(1), 124-134. doi.

Castelhano-Carlos, M. J., Aslani, S., & Sousa, N. (2020). The Impact of Physical Enrichment in the Structure of the Medial Prefrontal Cortex and Nucleus Accumbens of the Adult Male Rat

Brain. Neuroscience.

doi: <https://doi.org/10.1016/j.neuroscience.2020.01.040>.

<http://www.sciencedirect.com/science/article/pii/S0306452220300701>

Castellano, J. F., Fletcher, B. R., Kelley-Bell, B., Kim, D. H., Gallagher, M., & Rapp, P. R. (2012). Age-Related Memory Impairment Is Associated with Disrupted Multivariate Epigenetic Coordination in the Hippocampus. *PLoS ONE*, 7(3), e33249. doi: 10.1371/journal.pone.0033249. <http://dx.doi.org/10.1371/journal.pone.0033249>

Castellano, O., Moscoso, A., Rioloobos, A. S., Carro, J., Arji, M., Molina, V., . . . Sancho, C. (2009). Chronic administration of risperidone to healthy rats: A behavioural and morphological study. *Behavioural Brain Research*, 205(2), 488-498. doi.

Castellano, S., Macchi, F., Scali, M., Huang, J. Z., & Bozzi, Y. (2006). Cytosolic branched chain aminotransferase (BCATc) mRNA is up-regulated in restricted brain areas of BDNF transgenic mice. *Brain Research*, 1108(1), 12-18. doi.

Castellanos, D. A., Daniels, L. A., Morales, M. P., Hama, A. T., & Sagen, J. (2007). Expansion of formalin-evoked Fos-immunoreactivity in rats with a spinal cord injury. *Neuroscience Research*, 58(4), 386-393. doi.

Castellanos, D. A., Tsoulfas, P., Frydel, B. R., Gajavelli, S., Bes, J.-C., & Sagen, J. (2002). TrkC Overexpression enhances Survival and Migration of Neural Stem Cell Transplants in the Rat spinal cord. *Cell Transplantation*, 11, 297-307. doi.

Castillo-Ruiz, A., Mosley, M., George, A. J., Mussaji, L. F., Fullerton, E. F., Ruszkowski, E. M., . . . Forger, N. G. (2017). The microbiota influences cell death and microglial colonization in the perinatal mouse brain. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2017.08.027>. <http://www.sciencedirect.com/science/article/pii/S0889159117304063>

Castillo-Ruiz, A., Mosley, M., Jacobs, A. J., Hoffiz, Y. C., & Forger, N. G. (2018). Birth delivery mode alters perinatal cell death in the mouse brain. [10.1073/pnas.1811962115]. *Proceedings of the National Academy of Sciences*. doi. <http://www.pnas.org/content/early/2018/10/09/1811962115.abstract>

Castillo-Ruiz, A., Nixon, J. P., Smale, L., & Nunez, A. A. (2010). Neural activation in arousal and reward areas of the brain in day-active and night-active grass rats. *Neuroscience*, 165(2), 337-349. doi.

Castren, M., Tervonen, T., Karkkainen, V., Heinonen, S., Castren, E., Larsson, K., . . . Akerman, K. (2005). Altered differentiation of neural stem cells in fragile X syndrome. *Proceedings of the National Academy of Sciences*, 102(49), 17834-17839. doi: 10.1073/Proceedings of the National Academy of Sciences.0508995102. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/102/49/17834>

Castro-Hernández, J., Adlard, P. A., & Finkelstein, D. I. (2017). Pramipexole restores depressed transmission in the ventral hippocampus following MPTP-lesion. [Article]. *Scientific Reports*, 7, 44426. doi: 10.1038/srep44426. <http://dx.doi.org/10.1038/srep44426>

Catchpole, T., & Henkemeyer, M. (2011). EphB2 Tyrosine Kinase-Dependent Forward Signaling in Migration of Neuronal Progenitors That Populate and Form a Distinct Region of the Dentate Niche. *Journal of Neuroscience*, 31(32), 11472-11483. doi: 10.1523/jneurosci.6349-10.2011. <http://www.jneurosci.org/content/31/32/11472.abstract>

Cattano, D., Williamson, P., Fukui, K., Avidan, M., Evers, A. S., Olney, J. W., & Young, C. (2008). Potential of xenon to induce or to protect against neuroapoptosis in the developing mouse brain. *Canadian Journal of Anesthesia*, 55(7), 429-436. doi:

Cazorla, M., Shegda, M., Ramesh, B., Harrison, N. L., & Kellendonk, C. (2012). Striatal D2 Receptors Regulate Dendritic Morphology of Medium Spiny Neurons via Kir2 Channels. *Journal of Neuroscience*, 32(7), 2398-2409. doi: 10.1523/jneurosci.6056-11.2012. <http://www.jneurosci.org/content/32/7/2398.abstract>

Celiker, F. B., Tumkaya, L., Mercantepe, T., Beyazal, M., Turan, A., Beyazal Polat, H., . . . Yilmaz, A. (2018). Effects of Gadodiamide and Gadoteric Acid on Rat Kidneys: A Comparative Study. *Journal of Magnetic Resonance Imaging*, 0(0). doi: doi:10.1002/jmri.26266. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jmri.26266>

Celorrio, M., Abellanas, M. A., Rhodes, J., Goodwin, V., Moritz, J., Vadivelu, S., . . . Friess, S. H. (2021). Gut microbial dysbiosis after traumatic brain injury modulates the immune response and impairs neurogenesis. *Acta Neuropathologica Communications*, 9(1), 40. doi: 10.1186/s40478-021-01137-2. <https://doi.org/10.1186/s40478-021-01137-2>

Cengiz, P., Kleman, N., Uluc, K., Kendigelen, P., Hagemann, T., Akture, E., . . . Sun, D. (2011). Inhibition of Na⁺/H⁺ exchanger isoform 1 is neuroprotective in neonatal hypoxic ischemic brain injury. *Antioxidants and redox signaling*, 14(10), 1803-1813. doi:

Cerqueira, D. M., Bodnar, A. J., Phua, Y. L., Freer, R., Hemker, S. L., Walensky, L. D., . . . Ho, J. (2017). Bim gene dosage is critical in modulating nephron progenitor survival in the absence of microRNAs during kidney development. *The FASEB Journal*. doi: 10.1096/fj.201700010R. <http://www.fasebj.org/content/early/2017/04/26/fj.201700010R.abstract>

Cerqueira, D. M., Hemker, S. L., Bodnar, A. J., Ortiz, D. M., Oladipupo, F. O., Mukherjee, E., . . . Ho, J. (2019). In utero exposure to maternal diabetes impairs nephron progenitor differentiation. *American Journal of Physiology-Renal Physiology*, 0(0), null. doi: 10.1152/ajprenal.00204.2019. <https://www.physiology.org/doi/abs/10.1152/ajprenal.00204.2019>

Cerqueira, J. J., Catania, C., Sotiropoulos, I., Schubert, M., Kalisch, R., Almeida, O. F. X., . . . Sousa, N. (2005). Corticosteroid status influences the volume of the rat cingulate cortex—a magnetic resonance imaging study. *Journal of Psychiatric Research*, 39(5), 451-460. doi:

Cerqueira, J. J., Mailliet, F., Almeida, O. F. X., Jay, T. M., & Sousa, N. (2007). The Prefrontal Cortex as a Key Target of the Maladaptive Response to Stress. *Journal of Neuroscience*, 27(11), 2781-2787. doi: 10.1523/jneurosci.4372-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/11/2781>

Cerqueira, J. J., Pego, J. M., Taipa, R., Bessa, J. M., Almeida, O. F. X., & Sousa, N. (2005). Morphological Correlates of Corticosteroid-Induced Changes in Prefrontal Cortex- Dependent Behaviors. *Journal of Neuroscience*, 25(34), 7792-7800. doi: 10.1523/jneurosci.1598-05.2005. <http://www.jneurosci.org/cgi/content/abstract/25/34/7792>

Cerqueira, S. R., Lee, Y.-S., Cornelison, R. C., Mertz, M. W., Wachs, R. A., Schmidt, C. E., & Bunge, M. B. (2018). Decellularized peripheral nerve supports Schwann cell transplants and axon growth following spinal cord injury. *Biomaterials*. doi: <https://doi.org/10.1016/j.biomaterials.2018.05.049>. <https://www.sciencedirect.com/science/article/pii/S0142961218304009>

Cerri, C., Fabbri, A., Vannini, E., Spolidoro, M., Costa, M., Maffei, L., . . . Caleo, M. (2011). Activation of Rho GTPases Triggers Structural Remodeling and Functional Plasticity in the Adult Rat Visual Cortex. *Journal of Neuroscience*, 31(42), 15163-15172. doi: 10.1523/jneurosci.2617-11.2011. <http://www.jneurosci.org/content/31/42/15163.abstract>

Çetkin, M., Kızılkın, N., Demirel, C., Bozdağ, Z., Erkiş, S., & Erbağcı, H. (2017). Quantitative changes in testicular structure and function in rat exposed to mobile phone radiation. *Andrologia*, e12761-n/a. doi: 10.1111/and.12761. <http://dx.doi.org/10.1111/and.12761>

Chabot, N., Robert, S., Tremblay, R., Miceli, D., Boire, D., & Bronchti, G. (2007). Audition differently activates the visual system in neonatally enucleated mice compared with anophthalmic mutants. *European Journal of Neuroscience*, 26(8), 2334-2348. doi: 10.1111/j.1460-9568.2007.05854.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05854.x>

Chabrier, M. A., Cheng, D., Castello, N. A., Green, K. N., & LaFerla, F. M. (2014). Synergistic effects of amyloid-beta and wild-type human tau on dendritic spine loss in a floxed double transgenic model of Alzheimer's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.01.007>. <http://www.sciencedirect.com/science/article/pii/S096999611400014X>

Chadashvili, T., & Peterson, D. A. (2007). Reduced Proliferation in the Aging Rostral Migratory Stream is Due to a Reduced Pool of Neural Stem/Progenitor Cells without Change in Cell Cycle Kinetics. Age-related changes in neural stem cell properties and cellular composition in neurogenic niches of the adult rat brain, 133-133. doi.

Chadashvili, T., & Peterson, D. A. (2007). The Subventricular Zone and the Rostral Migratory Stream of the Aging Rat Brain Exhibit Reduced Levels of Neural Stem/Progenitor Cell Proliferation and Alterations in the Vascular Niche. Age-related changes in neural stem cell properties and cellular composition in neurogenic niches of the adult rat brain, 67-67. doi.

Chagniel, L., Robitaille, C., Lebel, M., & Cyr, M. (2011). Striatal inhibition of calpains prevents levodopa-induced neurochemical changes and abnormal involuntary movements in the hemiparkinsonian rat model. *Neurobiology of Disease*. doi.

Chai, X., Wu, S., Murray, T. K., Kinley, R., Cella, C. V., & Sims, H. (2011). Passive immunization with anti-Tau antibodies in two transgenic models: reduction of Tau pathology and delay of

disease progression. *Journal of Biological Chemistry*, 286. doi: 10.1074/jbc.M111.229633. <http://dx.doi.org/10.1074/jbc.M111.229633>

Chai, Y., Chen, M., Zhang, W., & Zhang, W. (2014). Somatotopic Organization of Trigeminal Ganglion: 3D Reconstruction of Three Divisions. *Journal of Craniofacial Surgery*, Publish Ahead of Print, 10.1097/SCS.0000000000000994. doi: <http://journals.lww.com/jcraniofacialsurgery/Fulltext/publishahead/Somat...>

Chakrabarty, S., Shulman, B., & Martin, J. H. (2009). Activity-Dependent Codevelopment of the Corticospinal System and Target Interneurons in the Cervical Spinal Cord. *Journal of Neuroscience*, 29(27), 8816-8827. doi: 10.1523/jneurosci.0735-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/27/8816>

Chakraborty, S., Sachdev, A., Salton, S. R. J., & Chakraborty, T. R. (2008). Stereological analysis of estrogen receptor expression in the hypothalamic arcuate nucleus of ob/ob and agouti mice. *Brain Research*, 1217, 86-95. doi.

Chakraborty, T. R., Hof, P. R., Ng, L., & Gore, A. C. (2003). Stereologic analysis of estrogen receptor alpha (ER α) expression in rat hypothalamus and its regulation by aging and estrogen. *Journal of Comparative Neurology*, 466(3), 409-421. doi.

Chakraborty, T. R., Ng, L., & Gore, A. C. (2003). Age-Related Changes in Estrogen Receptor β in Rat Hypothalamus: A Quantitative Analysis. *Endocrinology*, 144, 4164-4171. doi.

Chakraborty, T. R., Ng, L., & Gore, A. C. (2003). Age-related changes in estrogen receptor β in rat hypothalamus: a quantitative analysis. *Endocrinology*, 144(9), 4164-4164. doi.

Chakraborty, T. R., Ng, L., & Gore, A. C. (2003). Colocalization and hormone regulation of estrogen receptor α and N-methyl-D-aspartate receptor in the hypothalamus of female rats. *Endocrinology*, 144(1), 299-299. doi.

Chakraborty, T. R., Ng, L., & Gore, A. C. (2003). Colocalization and Hormone Regulation of Estrogen Receptor α and N-Methyl-D-Aspartate Receptor in the Hypothalamus of Female Rats. *Endocrinology*, 144(1), 299-305. doi.

Chakraborty, T. R., Rajendren, G., & Gore, A. C. (2005). Expression of estrogen receptor α in the anteroventral periventricular nucleus of hypogonadal mice. *Experimental Biology and Medicine*, 230(1), 49-56. doi.

Chalfin, B. P., Cheung, D. T., Muniz, J. A. P. C., de Lima Silveira, L. C., & Finlay, B. L. (2007). Scaling of neuron number and volume of the pulvinar complex in New World primates: comparisons with humans, other primates, and mammals. *Journal of Comparative Neurology*, 504(3), 265-274. doi.

Chambers, J. W., Howard, S., & LoGrasso, P. V. (2012). Blocking c-jun-N-terminal Kinase (JNK) Translocation to the Mitochondria Prevents 6-hydroxydopamine-induced Toxicity in vitro and in vivo. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M112.421354. <http://www.jbc.org/content/early/2012/11/26/jbc.M112.421354.a bstract>

Chambers, J. W., Pachori, A., Howard, S., Ganno, M., Hansen Jr, D., Kamenecka, T., . . . others. (2011). Small Molecule c-jun-N-Terminal Kinase Inhibitors Protect Dopaminergic Neurons in a Model of Parkinson's Disease. *ACS Chemical Neuroscience*. doi.

Champ, C., Wallis, G., Vorobyev, M., Siebeck, U., & Marshall, J. (2014). Visual Acuity in a Species of Coral Reef Fish: *Rhinecanthus aculeatus*. *Brain, Behavior and Evolution*. doi. <http://www.karger.com/Article/FullText/356977>

Chan, A., Li, S., Lee, A. R., Leung, J., Yip, A., Bird, J., . . . Pompeiano, M. (2016). Activation of state-regulating neurochemical systems in newborn and embryonic chicks. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.09.048>. <http://www.sciencedirect.com/science/article/pii/S0306452216305036>

Chan, C. S., Guzman, J. N., Ilijic, E., Mercer, J. N., Rick, C., Tkatch, T., . . . Surmeier, D. J. (2007). 'Rejuvenation' protects neurons in mouse models of Parkinson's disease. *Nature*, 447, 1081- 1086. doi.

Chan, E. C., Kuo, S.-M., Kong, A. M., Morrison, W. A., Disting, G. J., Mitchell, G. M., . . . Liu, G.-S. (2016). Three Dimensional Collagen Scaffold Promotes Intrinsic Vascularisation for Tissue Engineering Applications. *Plos one*, 11(2), e0149799. doi: 10.1371/journal.pone.0149799. <http://dx.doi.org/10.1371%2Fjournal.pone.0149799>

Chan, E. C., Van Wijngaarden, P., Chan, E., Ngo, D., Wang, J.-h., Peshavariya, H. M., . . . Liu, G.-S. (2016). NADPH oxidase 2 plays a role in experimental corneal neovascularisation. [10.1042/CS20150103]. *Clinical Science*. doi. <http://www.clinsci.org/content/early/2016/01/26/CS20150103.abstract>

Chan, T. F., Chiu, K., Lok, C. K. M., Ho, W. L., So, K.-F., & Chang, R. C.-C. (2012). Morphometric Analyses of Retinal Sections. *Journal of Visualized Experiments*, (60), e3377. doi: 10.3791/3377. <http://www.jove.com/details.stp?id=3377>

Chan, W. Y., Chau, F. T., Lee, K. K. H., Kwong, W. H., & Yew, D. T. (2004). Substitution for natural musk in Pien Tze Huang does not affect its hepatoprotective activities. *Human and Experimental Toxicology*, 23(1), 35-47. doi.

Chan, W. Y., Xia, C. L., Dong, D. C., Heizmann, C. W., & Yew, D. T. (2003). Differential expression of S100 proteins in the developing human hippocampus and temporal cortex. *Microscopy Research and Technique*, 60(6), 600-613. doi.

Chancellor, L. V., Roth, T. C., LaDage, L. D., & Pravosudov, V. V. (2011). The effect of environmental harshness on neurogenesis: A large-scale comparison. *Developmental Neurobiology*, 71(3), 246-252. doi: 10.1002/dneu.20847. <http://dx.doi.org/10.1002/dneu.20847>

Chancey, J. H., Adlaf, E. W., Sapp, M. C., Pugh, P. C., Wadiche, J. I., & Overstreet-Wadiche, L. S. (2013). GABA Depolarization Is Required for Experience-Dependent Synapse Unsilencing in Adult-Born Neurons. *Journal of Neuroscience*, 33(15), 6614-6622. doi: 10.1523/jneurosci.0781-13.2013. <http://www.jneurosci.org/content/33/15/6614.abstract>

Chandra, G., Rangasamy, S. B., Roy, A., Kordower, J. H., & Pahan, K. (2016). Neutralization of RANTES and Eotaxin Prevents the Loss of Dopaminergic Neurons in a Mouse Model of Parkinson Disease. *Journal of Biological Chemistry*, 291(29), 15267-15281. doi: 10.1074/jbc.M116.714824. <http://www.jbc.org/content/291/29/15267.abstract>

Chandra, G., Rangasamy, S. B., Roy, A., Kordower, J. H., & Pahan, K. (2016). Neutralization of regulated on activation, normal T cell expressed and secreted and eotaxin prevents the loss of dopaminergic neurons in a mouse model of Parkinson's disease. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M116.714824. http://www.jbc.org/content/early/2016/05/12/jbc.M116.714824.a_bstract

Chandran, J. S., Lin, X., Zapata, A., Höke, A., Shimoji, M., Moore, S. O. L., . . . others. (2008). Progressive behavioral deficits in DJ-1-deficient mice are associated with normal nigrostriatal function. *Neurobiology of Disease*, 29(3), 505-514. doi.

Chaney, B. (2019). Cerebellar atrophy in a non-human primate model of Parkinson's disease. doi. <https://scholarexchange.furman.edu/furmanengaged/2019/all/314/>

Chang, J. C., Leung, M., Gokozan, H. N., Gygli, P. E., Catacutan, F. P., Czeisler, C., & Otero, J. J. (2015). Mitotic Events in Cerebellar Granule Progenitor Cells That Expand Cerebellar Surface Area Are Critical for Normal Cerebellar Cortical Lamination in Mice. *Journal of Neuropathology and Experimental Neurology*, 74(3), 261-272. doi. http://journals.lww.com/jneuropath/Abstract/2015/03000/Mitotic_Events_in...

Chang, S. J., Santamaria, A. J., Sanchez, F. J., Villamil, L. M., Saraiva, P. P., Benavides, F., . . . Noga, B. R. (2021). Deep brain stimulation of midbrain locomotor circuits in the freely moving pig. *Brain Stimulation*. doi: <https://doi.org/10.1016/j.brs.2021.02.017>. <https://www.sciencedirect.com/science/article/pii/S1935861X21000450>

Chang, S. W., Shin, S. Y., Hong, J. R., Yang, S. M., Yoo, H. M., Park, D. S., . . . Kye, S. B. (2009). Immediate implant placement into infected and noninfected extraction sockets: a pilot study. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology*, 107(2), 197-203. doi.

Chao, C.-C., Hsueh, H.-W., Kan, H.-W., Liao, C.-H., Jiang, H.-H., Chiang, H., . . . Hsieh, S.-T. (2019). Skin Nerve Pathology: Biomarkers of Premanifest and Manifest Amyloid Neuropathy. *Annals of Neurology*, o(ja). doi: 10.1002/ana.25433. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25433>

Chao, S. Z., Ariano, M. A., Peterson, D. A., & Wolf, M. E. (2002). D1 dopamine receptor stimulation increases GluR1 surface expression in nucleus accumbens neurons. *Journal of Neurochemistry*, 83, 704-712. doi.

Chaovipoch, P., Jelks, K. A. B., Gerhold, L. M., West, E. J., Chongthammakun, S., & Floyd, C. L. (2006). 17 beta-Estradiol Is Protective in Spinal Cord Injury in Post-and Pre-Menopausal Rats. *Journal of Neurotrauma*, 23(6), 830-852. doi.

Chaparro, E., Erasso, D., Quiroga, C., Bosco, G., Parmagnani, A., Rubini, A., . . . Camporesi, E. (2012). Repetitive intraperitoneal caspase-3 inhibitor and anesthesia reduces neuronal damage. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 0(0), 1-7. doi: 10.3109/14756366.2012.740478. <http://informahealthcare.com/doi/abs/10.3109/14756366.2012.740478>

Chareyron, L. J., Amaral, D. G., & Lavenex, P. (2016). Selective lesion of the hippocampus increases the differentiation of immature neurons in the monkey amygdala. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1604288113. <http://www.pnas.org/content/early/2016/11/23/1604288113.abstr>

Chareyron, L. J., Banta Lavenex, P., Amaral, D. G., & Lavenex, P. (2011). Stereological analysis of the rat and monkey amygdala. *Journal of Comparative Neurology*, 519(16), 3218-3239. doi: 10.1002/cne.22677. <http://dx.doi.org/10.1002/cne.22677>

Chareyron, L. J., Banta Lavenex, P., Amaral, D. G., & Lavenex, P. (2017). Functional organization of the medial temporal lobe memory system following neonatal hippocampal lesion in rhesus monkeys. [journal article]. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-017-1441-z. <http://dx.doi.org/10.1007/s00429-017-1441-z>

Chareyron, L. J., Lavenex, P. B., Amaral, D. G., & Lavenex, P. (2011). Postnatal development of the amygdala: A stereological study in macaque monkeys. *Journal of Comparative Neurology*. doi:

Chareyron, L. J., Lavenex, P. B., & Lavenex, P. (2012). Postnatal development of the amygdala: a stereological study in rats. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23132. <http://dx.doi.org/10.1002/cne.23132>

Charleston, J. S., Hansen, K. R., Thyer, A. C., Charleston, L. B., Gougeon, A., Siebert, J. R., . . . Klein, N. A. (2007). Estimating human ovarian non-growing follicle number: the application of modern stereology techniques to an old problem. *Human Reproduction*, 0: dem137v1-8. doi:

Charlton, A. J., May, C., Luikinga, S. J., Burrows, E. L., Hyun Kim, J., Lawrence, A. J., & Perry, C. J. (2019). Chronic voluntary alcohol consumption causes persistent cognitive deficits and cortical cell loss in a rodent model. *Scientific Reports*, 9(1), 18651. doi: 10.1038/s41598-019-55095-w. <https://doi.org/10.1038/s41598-019-55095-w>

Charvet, C. J., Hof, P. R., Raghanti, M. A., van der Kouwe, A. J., Sherwood, C. C., & Takahashi, E. (2016). Combining diffusion MR tractography with stereology highlights increased cross- cortical integration in primates. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24115. <http://dx.doi.org/10.1002/cne.24115>

Charvet, C. J., Stimpson, C. D., Kim, Y. D., Raghanti, M. A., Lewandowski, A. H., Hof, P. R., . . . Sherwood, C. C. (2016). Gradients in cytoarchitectural landscapes of the isocortex: diprotodont marsupials in comparison to eutherian mammals. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24160. <http://dx.doi.org/10.1002/cne.24160>

Chatterjee, D., Bhatt, M., Butler, D., De Genst, E., Dobson, C. M., Messer, A., & Kordower, J. H. (2018). Proteasome-targeted nanobodies alleviate pathology and functional decline in an α -synuclein-based Parkinson's disease model. *Npj Parkinson's Disease*, 4(1), 25. doi: 10.1038/s41531-018-0062-4. <https://doi.org/10.1038/s41531-018-0062-4>

Chatterjee, D., Marmion, D. J., McBride, J. L., Manfredsson, F. P., Butler, D., Messer, A., & Kordower, J. H. (2021). Enhanced CNS transduction from AAV.PHP.eB infusion into the cisterna magna of older adult rats compared to AAVg. *Gene Therapy*. doi: 10.1038/s41434-021-00244-y. <https://doi.org/10.1038/s41434-021-00244-y>

Chaturvedi, R. K., Calingasan, N. Y., Yang, L., Hennessey, T., Johri, A., & Beal, M. F. (2010). Impairment of PGC-1 α expression, neuropathology and hepatic steatosis in a transgenic mouse model of Huntington's disease following chronic energy deprivation. *Human Molecular Genetics*, ddq229. doi: 10.1093/hmg/ddq229. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddq229v2>

Chaudhury, S., Nag, T. C., & Wadhwa, S. (2006). Prenatal acoustic stimulation influences neuronal size and the expression of calcium-binding proteins (calbindin D-28K and parvalbumin) in chick hippocampus. *Journal of Chemical Neuroanatomy*, 32(2-4), 117-126. doi.

Chaudhury, S., Nag, T. C., & Wadhwa, S. (2008). Calbindin D-28K and parvalbumin expression in embryonic chick hippocampus is enhanced by prenatal auditory stimulation. *Brain Research*, 1191, 96-106. doi.

Chauviere, L., Raftafi, N., Thinus-Blanc, C., Bartolomei, F., Esclapez, M., & Bernard, C. (2009). Early Deficits in Spatial Memory and Theta Rhythm in Experimental Temporal Lobe Epilepsy. *Journal of Neuroscience*, 29(17), 5402-5410. doi: 10.1523/jneurosci.4699-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/17/5402>

Chaves, P. P., Valdoria, C. M., Amorim, M. C. P., & Vasconcelos, R. O. (2017). Ontogenetic development of the inner ear saccule and utricle in the Lusitanian toadfish: Potential implications for auditory sensitivity. *Hearing Research*. doi: <https://doi.org/10.1016/j.heares.2017.06.008>. <http://www.sciencedirect.com/science/article/pii/S0378595517300977>

Chawana, R., Patzke, N., Bhagwandin, A., Kaswera-Kyamakya, C., Gilissen, E., Bertelsen, M. F., ... Manger, P. R. (2020). Adult hippocampal neurogenesis in Egyptian fruit bats from three different environments: Are interpretational variations due to the environment or methodology? *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24895. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24895>

Chee, S. S. A., & Menard, J. L. (2011). Lesions of the dorsal lateral septum do not affect neophagia in the novelty induced suppression of feeding paradigm but reduce defensive behaviours in the elevated plus maze and shock probe burying tests. *Behavioural Brain Research*. doi.

Chello, M., Spadaccio, C., Patti, G., Lusini, M., Barbato, R., Goffredo, C., . . . Covino, E. (2008). Simvastatin reduces platelet-endocardium adhesion in atrial fibrillation. *Atherosclerosis*, 197(2), 588-595. doi.

Chen, A., Xu, Y., & Yuan, J. (2018). Ginkgolide B ameliorates NLRP3 inflammasome activation after hypoxic-ischemic brain injury in the neonatal male rat. *International Journal of Developmental Neuroscience*, 69, 106-111. doi: <https://doi.org/10.1016/j.ijdevneu.2018.07.004>. <http://www.sciencedirect.com/science/article/pii/S073657481830145X>

Chen, B., So, K. F., Yu, E., & Tay, D. K. C. (2006). Expression of nicotinamide adenine dinucleotide phosphate-diaphorase in the retina of postnatal golden hamsters deprived of light stimulation. *Neuroscience Letters*, 405(1), 74-78. doi.

Chen, B. K., Madigan, N. N., Hakim, J. S., Dadsetan, M., McMahon, S. S., Yaszemski, M. J., & Windebank, A. J. (2017). GDNF Schwann cells in hydrogel scaffolds promote regional axon regeneration, remyelination and functional improvement after spinal cord transection in rats. *Journal of Tissue Engineering and Regenerative Medicine*, n/a-n/a. doi: 10.1002/term.2431. <http://dx.doi.org/10.1002/term.2431>

Chen, C., Li, X., Ge, G., Liu, J., Biju, K. C., Laing, S. D., . . . Li, S. (2018). GDNF-expressing macrophages mitigate loss of dopamine neurons and improve Parkinsonian symptoms in MitoPark mice. *Scientific Reports*, 8(1), 5460. doi: 10.1038/s41598-018-23795-4. <https://doi.org/10.1038/s41598-018-23795-4>

Chen, C., Weng, Y., Chien, K., Lin, K., Yeh, T., Cheng, Y., . . . Wang, H. (2012). (G2019S) LRRK2 activates MKK4-JNK pathway and causes degeneration of SN dopaminergic neurons in a transgenic mouse model of PD. *Cell Death and Differentiation*. doi.

Chen, C., Zhong, X., Smith, D. K., Tai, W., Yang, J., Zou, Y., . . . Zhang, C.-L. (2017). Astrocyte-Specific Deletion of Sox2 Promotes Functional Recovery After Traumatic Brain Injury. *Cerebral Cortex*, 1-16. doi: 10.1093/cercor/bhx303. <http://dx.doi.org/10.1093/cercor/bhx303>

Chen, C.-C., Balaban, E., & Jarvis, E. D. (2012). Interspecies Avian Brain Chimeras Reveal That Large Brain Size Differences Are Influenced by Cell-Interdependent Processes. *Plos one*, 7(7), e42477. doi: 10.1371/journal.pone.0042477. <http://dx.doi.org/10.1371%2Fjournal.pone.0042477>

Chen, C.-Y., Noble-Haeusslein, L. J., Ferriero, D., & Semple, B. D. (2013). Traumatic Injury to the Immature Frontal Lobe: A New Murine Model of Long-Term Motor Impairment in the Absence of Psychosocial or Cognitive Deficits. *Developmental Neuroscience*, 35(6), 474-490. doi. <http://www.karger.com/Article/FullText/355874>

Chen, F., Becker, A. J., & LoTurco, J. J. (2014). Contribution of Tumor Heterogeneity in a New Animal Model of CNS Tumors. *Molecular Cancer Research*. doi: 10.1158/1541-7786.mcr-13-0531. <http://mcr.aacrjournals.org/content/early/2014/02/05/1541-7786.MCR-13-05...>

Chen, F., & LoTurco, J. (2012). A Method for Stable Transgenesis of Radial Glia Lineage in Rat Neocortex by PiggyBac mediated Transposition. *Journal of Neuroscience Methods*. doi.

Chen, G., Racay, P., Bichet, S., Celio, M. R., Eggli, P., & Schwaller, B. (2006). Deficiency in parvalbumin, but not in calbindin D-28k upregulates mitochondrial volume and decreases smooth endoplasmic reticulum surface selectively in a peripheral, subplasmalemmal region in the soma of Purkinje cells. *Neuroscience*, 142(1), 97-105. doi.

Chen, G.-H., Teitz-Tennenbaum, S., Neal, L. M., Murdock, B. J., Malachowski, A. N., Dils, A. J., . . . Osterholzer, J. J. (2016). Local GM-CSF-Dependent Differentiation and Activation of Pulmonary Dendritic Cells and Macrophages Protect against Progressive Cryptococcal Lung Infection in Mice. *The Journal of Immunology*. doi: 10.4049/jimmunol.1501512. <http://www.jimmunol.org/content/early/2016/01/09/jimmunol.1501512.abstract>

Chen, H., Qian, K., Chen, W., Hu, B., Blackburn, L. W. I. V., Du, Z., . . . Zhang, S.-C. (2015). Human-derived neural progenitors functionally replace astrocytes in adult mice. *The Journal of Clinical Investigation*, 125(3), 0-0. doi: 10.1172/jci69097. <http://www.jci.org/articles/view/69097>

Chen, J., Marks, E., Lai, B., Zhang, Z., Duce, J. A., Lam, L. Q., . . . Fox, J. H. (2013). Iron Accumulates in Huntington's Disease Neurons: Protection by Deferoxamine. *Plos one*, 8(10), e77023. doi: 10.1371/journal.pone.0077023. <http://dx.doi.org/10.1371%2Fjournal.pone.0077023>

Chen, K., Ohkubo, Y., Shin, D., Doetschman, T., Sanford, L. P., Li, H., & Vaccarino, F. M. (2008). Decrease in excitatory neurons, astrocytes and proliferating progenitors in the cerebral cortex of mice lacking exon 3 from the Fgf2 gene. *BMC Neuroscience*, 9(1), 94-94. doi.

Chen, L., Cagniard, B., Mathews, T., Jones, S., Koh, H. C., Ding, Y., . . . Zhuang, X. (2005). Age-dependent Motor Deficits and Dopaminergic Dysfunction in DJ-1 Null Mice. *Journal of Biological Chemistry*, 280(22), 21418-21426. doi: 10.1074/jbc.M413955200. <http://www.jbc.org/cgi/content/abstract/280/22/21418>

Chen, L., Ding, Y., Cagniard, B., Van Laar, A. D., Mortimer, A., Chi, W., . . . Zhuang, X. (2008). Unregulated Cytosolic Dopamine Causes Neurodegeneration Associated with Oxidative Stress in Mice. *Journal of Neuroscience*, 28(2), 425-433. doi: 10.1523/jneurosci.3602-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/2/425>

Chen, L., Wang, X., Lin, Z.-X., Dai, J.-G., Huang, Y.-F., & Zhao, Y.-N. (2017). Preventive Effects of Ginseng Total Saponins on Chronic Corticosterone-Induced Impairment in Astrocyte Structural Plasticity and Hippocampal Atrophy. *Phytotherapy Research*, n/a-n/a. doi: 10.1002/ptr.5859. <http://dx.doi.org/10.1002/ptr.5859>

Chen, L.-X., Ma, S.-M., Zhang, P., Fan, Z.-C., Xiong, M., Cheng, G.-Q., . . . Li, J. (2015). Neuroprotective Effects of Oligodendrocyte Progenitor Cell Transplantation in Premature Rat Brain following Hypoxic-Ischemic Injury. *Plos one*, 10(3), e0115997. doi: 10.1371/journal.pone.0115997. <http://dx.doi.org/10.1371%2Fjournal.pone.0115997>

Chen, M.-h., Liu, Y.-h., Xu, H., Xu, D.-w., Wang, C.-n., Wang, Y., . . . Wang, Y.-h. (2015). Lentiviral Vector-Mediated p27kip1 Expression Facilitates Recovery After Spinal Cord Injury. *Molecular Neurobiology*, 1-14. doi: 10.1007/s12035-015-9498-2. <http://dx.doi.org/10.1007/s12035-015-9498-2>

Chen, P., Zhang, T., Yuan, Z., Shen, B., & Chen, L. (2019). Expression of the RNA methyltransferase Nsun5 is essential for developing cerebral cortex. *Molecular Brain*, 12(1), 74. doi: 10.1186/s13041-019-0496-6. <https://doi.org/10.1186/s13041-019-0496-6>

Chen, S., & Buckmaster, P. S. (2005). Stereological analysis of forebrain regions in kainate-treated epileptic rats. *Brain Research*, 1057(1-2), 141-152. doi.

Chen, S., Fujita, S., Koshikawa, N., & Kobayashi, M. (2010). Pilocarpine-induced status epilepticus causes acute interneuron loss and hyper-excitatory propagation in rat insular cortex. *Neuroscience*, 166(1), 341-353. doi.

Chen, S., Kobayashi, M., Honda, Y., Kakuta, S., Sato, F., & Kishi, K. (2007). Preferential neuron loss in the rat piriform cortex following pilocarpine-induced status epilepticus. *Epilepsy Research*, 74(1), 1-18. doi.

Chen, S.-S., Yang, C., Hao, F., Li, C., Lu, T., Zhao, L.-R., & Duan, W.-M. (2014). Intrastriatal GDNF gene transfer by inducible lentivirus vectors protects dopaminergic neurons in a rat model of parkinsonism. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.06.022>. <http://www.sciencedirect.com/science/article/pii/S0014488614002180>

Chen, X., Lepier, A., Berninger, B., Tolkovsky, A. M., & Herbert, J. (2012). Cultured Subventricular Zone Progenitor Cells Transduced with Neurogenin-2 Become Mature Glutamatergic Neurons and Integrate into the Dentate Gyrus. *PLoS ONE*, 7(2), e31547- e31547. doi.

Chen, X., Rivard, L., Naqvi, S., Nakada, S., Padbury, J. F., Sanchez-Esteban, J., . . . Stonestreet, B. S. (2016). Expression and localization of Inter-alpha Inhibitors in rodent brain. *Neuroscience*, 324, 69-81. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.03.009>. <http://www.sciencedirect.com/science/article/pii/S0306452216002323>

Chen, X., Rzhetskaya, M., Kareva, T., Bland, R., During, M. J., Tank, A. W., . . . Burke, R. E. (2008). Antiapoptotic and Trophic Effects of Dominant-Negative Forms of Dual Leucine Zipper Kinase in Dopamine Neurons of the Substantia Nigra In Vivo. *Journal of Neuroscience*, 28(3), 672-680. doi: 10.1523/jneurosci.2132-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/3/672>

Chen, X., Tagliaferro, P., Kareva, T., Yarygina, O., Kholodilov, N., & Burke, R. E. (2012). Neurotrophic Effects of Serum-and Glucocorticoid-Inducible Kinase on Adult Murine Mesencephalic Dopamine Neurons. *Journal of Neuroscience*, 32(33), 11299-11308. doi.

Chen, X., Tang, T.-S., Tu, H., Nelson, O., Pook, M., Hammer, R., . . . Bezprozvanny, I. (2008). Deranged Calcium Signaling and Neurodegeneration in Spinocerebellar Ataxia Type 3.

Journal of Neuroscience, 28(48), 12713-12724. doi: 10.1523/jneurosci.3909-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/48/12713>

Chen, X., Tolkovsky, A. M., & Herbert, J. (2011). Cell Origin and Culture History Determine Successful Integration of Neural Precursor Transplants into the Dentate Gyrus of the Adult Rat. *PLoS ONE*, 6(2), e17072-e17072. doi.

Chen, X., Wu, J., Lvovskaya, S., Herndon, E., Supnet, C., & Bezprozvanny, I. (2011). Dantrolene is neuroprotective in Huntington's disease transgenic mouse model. *Molecular Neurodegeneration*, 6(1), 1-12. doi.

Chen, X., Xie, C., Tian, W., Sun, L., Wang, Z., Hawes, S., . . . Cai, H. (2020). Parkinson's disease-related Leucine-rich repeat kinase 2 modulates nuclear morphology and genomic stability in striatal projection neurons during aging. *Molecular Neurodegeneration*, 15(1), 12. doi: 10.1186/s13024-020-00360-0. <https://doi.org/10.1186/s13024-020-00360-0>

Chen, X. W., Kang, Y., So, P. S., Ng, C. W. W., & Wong, M. H. (2018). Arbuscular mycorrhizal fungi increase the proportion of cellulose and hemicellulose in the root stele of vetiver grass. [journal article]. *Plant and Soil*. doi: 10.1007/s11104-018-3583-z. <https://doi.org/10.1007/s11104-018-3583-z>

Chen, Y., Zhou, K., Wang, R., Liu, Y., Kwak, Y. D., & Ma, T. (2009). Antidiabetic drug metformin (GlucophageR) increases biogenesis of Alzheimer's amyloid peptides via up-regulating BACE1 transcription. *Proceedings of the National Academy of Sciences of the United States of America*, 106. doi: 10.1073/pnas.0807991106. <http://dx.doi.org/10.1073/pnas.0807991106>

Chen, Y., Zhu, G., Liu, D., Zhang, X., Liu, Y., Yuan, T., . . . Zhang, J. (2020). Subthalamic nucleus deep brain stimulation suppresses neuroinflammation by Fractalkine pathway in Parkinson's disease rat model. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2020.07.035>. <http://www.sciencedirect.com/science/article/pii/S0889159119315648>

Chen, Y.-H., Lee, H.-J., Lee, M. T., Wu, Y.-T., Lee, Y.-H., Hwang, L.-L., . . . Chiou, L.-C. (2018). Median nerve stimulation induces analgesia via orexin-initiated endocannabinoid disinhibition in the periaqueductal gray. [10.1073/pnas.1807991115]. *Proceedings of the National Academy of Sciences*. doi: <http://www.pnas.org/content/early/2018/10/16/1807991115.abstract>

Chen, Z., & Palmer, T. D. (2013). Differential roles of TNFR1 and TNFR2 signaling in adult hippocampal neurogenesis. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2013.01.083>. <http://www.sciencedirect.com/science/article/pii/S088915911300086X>

Chen, Z., Phillips, L. K., Gould, E., Campisi, J., Lee, S. W., Ormerod, B. K., . . . Palmer, T. D. (2011). MHC Mismatch Inhibits Neurogenesis and Neuron Maturation in Stem Cell Allografts. *PLoS ONE*, 6(3), e14787-e14787. doi.

Chen, Z.-Z., Yang, D.-D., Zhao, Z., Yan, H., Ji, J., & Sun, X.-L. (2016). Memantine mediates neuroprotection via regulating neurovascular unit in a mouse model of focal cerebral

ischemia. *Life Sciences*, 150, 8-14.

doi: <http://dx.doi.org/10.1016/j.lfs.2016.02.081>.

<http://www.sciencedirect.com/science/article/pii/S002432051630131X>

Cheng, L., Lau, W. K. W., Fung, T. K. H., Lau, B. W. M., Chau, B. K. H., Liang, Y., . . . Lee, T. M. C. (2017). PM2.5 Exposure Suppresses Dendritic Maturation in Subgranular Zone in Aged Rats. [journal article]. *Neurotoxicity research*, 1-8. doi: 10.1007/s12640-017-9710-4.

4. <http://dx.doi.org/10.1007/s12640-017-9710-4>

Cheng, S. W., Fryer, L. G., Carling, D., & Shepherd, P. R. (2004). Thr2446 is a novel mammalian target of rapamycin (mTOR) phosphorylation site regulated by nutrient status. *Journal of Biological Chemistry*, 279. doi:

10.1074/jbc.C300534200. <http://dx.doi.org/10.1074/jbc.C300534200>

Cheng, T., Wang, W., Li, Q., Han, X., Xing, J., Qi, C., . . . Wang, J. (2015). Cerebroprotection of Flavanol (-)-Epicatechin after Traumatic Brain Injury via Nrf2-dependent and -independent Pathways. *Free Radical Biology and Medicine*.

doi: <http://dx.doi.org/10.1016/j.freeradbiomed.2015.12.027>.

<http://www.sciencedirect.com/science/article/pii/S0891584915011806>

Chermenina, M., Chorell, E., Pokrzywa, M., Antti, H., Almqvist, F., Strömberg, I., & Wittung-Stafshede, P. (2015). Single injection of small-molecule amyloid accelerator results in cell death of nigral dopamine neurons in mice. [Article]. *Npj Parkinson's Disease*, 1, 15024. doi: 10.1038/npjparkd.2015.24

<http://www.nature.com/articles/npjparkd201524#supplementary-information>. <http://dx.doi.org/10.1038/npjparkd.2015.24>

Chertoff, M., Di Paolo, N., Schoeneberg, A., Depino, A., Ferrari, C., Wurst, W., . . . Pitossi, F. (2011). Neuroprotective and neurodegenerative effects of the chronic expression of tumor necrosis factor α in the nigrostriatal dopaminergic circuit of adult mice. *Experimental Neurology*, 227(2), 237-251. doi:

Chew, C., Kiley, B. J., & Sengelaub, D. R. (2018). Neuroprotective effects on the morphology of somatic motoneurons following the death of neighboring motoneurons: A role for microglia? *Developmental Neurobiology*, 0(ja). doi: doi:10.1002/dneu.22652. <https://onlinelibrary.wiley.com/doi/abs/10.1002/dneu.22652>

Chew, C., & Sengelaub, D. R. (2020). Exercise is neuroprotective on the morphology of somatic motoneurons following the death of neighboring motoneurons via androgen action at the target muscle. <https://doi.org/10.1002/dneu.22794>. *Developmental Neurobiology*, n/a(n/a). doi: <https://doi.org/10.1002/dneu.22794>. <https://doi.org/10.1002/dneu.22794>

Chhaya, M. S. J., Quiros-Molina, M. D., Tamashiro-Orrego, M. A. D., Houle, D. J. D., & Detloff, D. M. R. (2018). Exercise-Induced Changes to the Macrophage Response in the Dorsal Root Ganglia Prevent Neuropathic Pain after Spinal Cord Injury. *Journal of Neurotrauma*, 0(ja), null. doi:

10.1089/neu.2018.5819. <https://www.liebertpub.com/doi/abs/10.1089/neu.2018.5819>

Chikama, K., Yamada, H., Tsukamoto, T., Kajitani, K., Nakabeppu, Y., & Uchimura, N. (2017). Chronic atypical antipsychotics, but not haloperidol, increase neurogenesis in the hippocampus of adult mouse. *Brain Research*, 1676(Supplement C), 77-82. doi: <https://doi.org/10.1016/j.brainres.2017.09.006>. <http://www.sciencedirect.com/science/article/pii/S000689931730392X>

Chinn, G. A., Sasaki Russell, J. M., Yabut, N. A., Maharjan, D., & Sall, J. W. (2020). Androgenic Modulation of the Chloride Transporter NKCC1 Contributes to Age-dependent Isoflurane Neurotoxicity in Male Rats. *Anesthesiology: The Journal of the American Society of Anesthesiologists*. doi: 10.1097/aln.0000000000003437. <https://doi.org/10.1097/ALN.0000000000003437>

Chinta, S. J., Kumar, M. J., Hsu, M., Rajagopalan, S., Kaur, D., Rane, A., . . . Andersen, J. K. (2007). Inducible Alterations of Glutathione Levels in Adult Dopaminergic Midbrain Neurons Result in Nigrostriatal Degeneration. *Journal of Neuroscience*, 27(51), 13997-14006. doi: 10.1523/jneurosci.3885-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/51/13997>

Chinta, S. J., Rajagopalan, S., Butterfield, D. A., & Andersen, J. K. (2006). In vitro and in vivo neuroprotection by lgamma-glutamylcysteine ethyl ester against MPTP: Relevance to the role of glutathione in Parkinson's disease. *Neuroscience Letters*, 402(1-2), 137-141. doi.

Chinta, S. J., Rajagopalan, S., Butterfield, D. A., & Andersen, J. K. (2006). In vitro and in vivo neuroprotection by γ-glutamylcysteine ethyl ester against MPTP: Relevance to the role of glutathione in Parkinson's disease. *Neuroscience Letters*, 402(1), 137-141. doi.

Chio, J. C. T., Wang, J., Badner, A., Hong, J., Surendran, V., & Fehlings, M. G. (2019). The effects of human immunoglobulin G on enhancing tissue protection and neurobehavioral recovery after traumatic cervical spinal cord injury are mediated through the neurovascular unit. [journal article]. *Journal of neuroinflammation*, 16(1), 141. doi: 10.1186/s12974-019-1518-0. <https://doi.org/10.1186/s12974-019-1518-0>

Chio, J. C. T., Wang, J., Surendran, V., Li, L., Zavvarian, M.-M., Pieczonka, K., & Fehlings, M. G. (2021). Delayed administration of high dose human immunoglobulin G enhances recovery after traumatic cervical spinal cord injury by modulation of neuroinflammation and protection of the blood spinal cord barrier. *Neurobiology of Disease*, 148, 105187. doi: <https://doi.org/10.1016/j.nbd.2020.105187>. <http://www.sciencedirect.com/science/article/pii/S0969996120304629>

Chisholm, N. C., Packard, A. R., Koss, W. A., & Juraska, J. M. (2012). The Effects of Long-Term Treatment with Estradiol and Medroxyprogesterone Acetate on Tyrosine Hydroxylase Fibers and Neuron Number in the Medial Prefrontal Cortex of Aged Female Rats. *Endocrinology*. doi: 10.1210/en.2012-1412. <http://endo.endojournals.org/content/early/2012/08/16/en.2012-1412.abstract>

Chiu, C.-C., Lu, C.-S., Weng, Y.-H., Chen, Y.-L., Huang, Y.-Z., Chen, R.-S., . . . Wang, H.-L. (2018). PARK14 (D331Y) PLA2G6 Causes Early-Onset Degeneration of Substantia Nigra Dopaminergic Neurons by Inducing Mitochondrial Dysfunction, ER Stress, Mitophagy Impairment and Transcriptional Dysregulation in a Knockin Mouse Model. [journal article].

Molecular Neurobiology. doi: 10.1007/s12035-018-1118-5.
<https://doi.org/10.1007/s12035-018-1118-5>

Chiu, C.-C., Yeh, T.-H., Lai, S.-C., Wu-Chou, Y.-H., Chen, C.-H., Mochly-Rosen, D., . . . Lu, C.-S. (2014). Neuroprotective effects of aldehyde dehydrogenase 2 activation in rotenone- induced cellular and animal models of parkinsonism. *Experimental Neurology*, (0).
doi: <http://dx.doi.org/10.1016/j.expneurol.2014.09.016>. <http://www.sciencedirect.com/science/article/pii/S0014488614002994>

Chiu, W.-H., Carlsson, T., Depboylu, C., Höglinger, G. U., Oertel, W. H., & Ries, V. (2013). Selegiline normalizes, while L-DOPA sustains the increased number of dopamine neurons in the olfactory bulb in a 6-OHDA mouse model of Parkinson's disease. *Neuropharmacology*, (0).
doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.11.014>. <http://www.sciencedirect.com/science/article/pii/S0028390813005601>

Chlan-Fourney, J., Zhao, T., Walz, W., & Mousseau, D. D. (2011). The increased density of p38 mitogen-activated protein kinase-immunoreactive microglia in the sensorimotor cortex of aged TgCRND8 mice is associated predominantly with smaller dense-core amyloid plaques. *European Journal of Neuroscience*, no-no. doi: 10.1111/j.1460-9568.2010.07597.x. <http://dx.doi.org/10.1111/j.1460-9568.2010.07597.x>

Ch'ng, S. S., Fu, J., Brown, R. M., Smith, C., Hossain, M. A., McDougall, S. J., & Lawrence, A. J. (2019). Characterisation of the relaxin family peptide 3 receptor system in the mouse bed nucleus of the stria terminalis. *Journal of Comparative Neurology*, 0(ja). doi: 10.1002/cne.24695. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24695>

Cho, H., Nie, R., Carnes, K., Zhou, Q., Sharief, N., & Hess, R. (2003). The antiestrogen ICI 182,780 induces early effects on the adult male mouse reproductive tract and long-term decreased fertility without testicular atrophy. *Reproductive Biology and Endocrinology*, 1(1), 57. doi: <http://www.RBEj.com/content/1/1/57>

Cho, Y. S., Dobos, K. M., Prenni, J., Yang, H., Hess, A., Rosenkrands, I., . . . Brennan, M. J. (2012). Deciphering the proteome of the in vivo diagnostic reagent "purified protein derivative" from *Mycobacterium tuberculosis*. *Proteomics*, 12(7), 979-991. doi: 10.1002/cne.24695

Chocyk, A., Majcher-Maślanka, I., Przyborowska, A., Maćkowiak, M., & Wędzony, K. (2015). Early-life stress increases the survival of midbrain neurons during postnatal development and enhances reward-related and anxiolytic-like behaviors in a sex-dependent fashion. *International Journal of Developmental Neuroscience*, (0).
doi: <http://dx.doi.org/10.1016/j.ijdevneu.2015.05.002>.
<http://www.sciencedirect.com/science/article/pii/S0736574815004098>

Choi, B. Y., Hong, D. K., Jeong, J. H., Lee, B. E., Koh, J.-Y., & Suh, S. W. (2020). Zinc transporter 3 modulates cell proliferation and neuronal differentiation in the adult hippocampus. *Stem Cells*, n/a(n/a). doi: 10.1002/stem.3194.
<https://stemcells.journals.onlinelibrary.wiley.com/doi/abs/10.1002/stem.3194>

Choi, D. H., Cristóvão, A. C., Guhathakurta, S., Joh, T., Beal, F., & Kim, Y. S. (2011). NADPH oxidase 1-mediated oxidative stress leads to dopamine neuron death in Parkinson's disease. *Antioxidants and redox signaling*, (ja). doi.

Choi, D.-H., Kim, J.-H., Seo, J.-H., Lee, J., Choi, W. S., & Kim, Y.-S. (2014). Matrix Metalloproteinase-3 Causes Dopaminergic Neuronal Death through Nox1-Regenerated Oxidative Stress. *Plos one*, 9(12), e115954. doi: 10.1371/journal.pone.0115954. <http://dx.doi.org/10.1371%2Fjournal.pone.0115954>

Choi, D.-J., Eun, J.-H., Kim, B. G., Jou, I., Park, S. M., & Joe, E.-H. (2017). A Parkinson's disease gene, DJ-1, repairs brain injury through Sox9 stabilization and astrogliosis. *Glia*, n/a-n/a. doi: 10.1002/glia.23258. <http://dx.doi.org/10.1002/glia.23258>

Choi, E. Y., Tanimura, Y., Vage, P. R., Yates, E. H., & Haber, S. N. (2016). Convergence of prefrontal and parietal anatomical projections in a connectional hub in the striatum. *Neuroimage*. doi: <http://dx.doi.org/10.1016/j.neuroimage.2016.09.037>. <http://www.sciencedirect.com/science/article/pii/S1053811916305146>

Choi, I. Y., Allan, A. M., & Cunningham, L. A. (2005). Moderate Fetal Alcohol Exposure Impairs the Neurogenic Response to an Enriched Environment in Adult Mice. . *Alcoholism: Clinical and Experimental Research*, 29(11), 2053-2062. doi.

Choi, J., Chandrasekaran, K., Demarest, T. G., Kristian, T., Xu, S., Vijaykumar, K., . . . Russell, J. W. (2014). Brain diabetic neurodegeneration segregates with low intrinsic aerobic capacity. *Annals of Clinical and Translational Neurology*, 1(8), 589-604. doi: 10.1002/acn3.86. <http://dx.doi.org/10.1002/acn3.86>

Choi, J., Desai, R., Zheng, Y., Yao, M., Dong, Q., Watson, G., . . . Simanainen, U. (2015). Androgen actions via androgen receptor promote PTEN inactivation induced uterine cancer. *Endocrine-Related Cancer*, 22(5), 687-701. doi: 10.1530/erc-15-0203. <http://erc.endocrinology-journals.org/content/22/5/687.abstract>

Choi, J. G., Kim, H. G., Kim, M. C., Yang, W. M., Huh, Y., Kim, S. Y., & Oh, M. S. (2011). *Polygalae radix* inhibits toxin-induced neuronal death in the Parkinson's disease models. *Journal of Ethnopharmacology*, 134(2), 414-421. doi.

Choi, J. K., Jenkins, B. G., Carreras, I., Kaymakcalan, S., Cormier, K., Kowall, N. W., & Dedeoglu, A. (2010). Anti-inflammatory treatment in AD mice protects against neuronal pathology. *Experimental Neurology*, 223(2), 377-384. doi.

Choi, J. L., Tan, J.-K. Y., Sellers, D. L., Wei, H., Horner, P. J., & Pun, S. H. (2015). Guanidinylated block copolymers for gene transfer: A comparison with amine-based materials for in vitro and in vivo gene transfer efficiency. *Biomaterials*, 54(0), 87-96. doi: <http://dx.doi.org/10.1016/j.biomaterials.2015.03.008>. <http://www.sciencedirect.com/science/article/pii/S0142961215002781>

Choi, M. L., Begeti, F., Oh, J. H., Lee, S. Y., O'Keeffe, G. C., Clelland, C. D., . . . Barker, R. A. (2014). Dopaminergic manipulations and its effects on neurogenesis and motor function in a

transgenic mouse model of Huntington's disease. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.02.004>.

<http://www.sciencedirect.com/science/article/pii/S0969996114000394>

Choi, S. R., Schneider, J. A., Bennett, D. A., Beach, T. G., Bedell, B. J., Zehntner, S. P., . . . others. (2012). Correlation of Amyloid PET Ligand Florbetapir F 18 Binding With A β Aggregation and Neuritic Plaque Deposition in Postmortem Brain Tissue. *Alzheimer Disease and Associated Disorders*, 26(1), 8-8. doi:

Choi, W.-S., Palmiter, R. D., & Xia, Z. (2011). Loss of mitochondrial complex I activity potentiates dopamine neuron death induced by microtubule dysfunction in a Parkinson's disease model. *Journal of Cell Biology*, 192(5), 873-882. doi:

10.1083/jcb.201009132. <http://jcb.rupress.org/content/192/5/873.abstract>

Chopra, V., Fox, J. H., Lieberman, G., Dorsey, K., Matson, W., Waldmeier, P., . . . Hersch, S. (2007). A small-molecule therapeutic lead for Huntington's disease: Preclinical pharmacology and efficacy of C2-8 in the R6/2 transgenic mouse. *Proceedings of the National Academy of Sciences*, 104(42), 16685-16689. doi: 10.1073/Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/42/16685

Chopra, V., Quinti, L., Kim, J., Vollor, L., Narayanan, K. L., Edgerly, C., . . . Kazantsev, Aleksey G. (2012). The Sirtuin 2 Inhibitor AK-7 Is Neuroprotective in Huntington's Disease Mouse Models. *Cell Reports*, (0).

doi: <http://dx.doi.org/10.1016/j.celrep.2012.11.001>.

<http://www.sciencedirect.com/science/article/pii/S221124712003828>

Chou, A., Morganti, J. M., & Rosi, S. (2016). Frontal Lobe Contusion in Mice Chronically Impairs Prefrontal-Dependent Behavior. *Plos one*, 11(3), e0151418. doi:

10.1371/journal.pone.0151418. <http://dx.doi.org/10.1371%2Fjournal.pone.0151418>

Chou, A. P., Maidment, N., Klintenberg, R., Casida, J. E., Li, S., Fitzmaurice, A. G., . . . Bronstein, J. M. (2008). Ziram causes dopaminergic cell damage by inhibiting E1 ligase of the proteasome. *Journal of Biological Chemistry*, M802210200. doi:

10.1074/jbc.M802210200.

<http://www.jbc.org/cgi/content/abstract/M802210200v1>

Chou, C.-H., & Modo, M. (2016). Human neural stem cell-induced endothelial morphogenesis requires autocrine/paracrine and juxtacrine signaling. [Article]. *Scientific Reports*, 6, 29029. doi: 10.1038/srep29029

<http://www.nature.com/articles/srep29029#supplementary-information>. <http://dx.doi.org/10.1038/srep29029>

Chou, C.-H., Sinden, J. D., Couraud, P.-O., & Modo, M. (2014). In Vitro Modeling of the Neurovascular Environment by Coculturing Adult Human Brain Endothelial Cells with Human Neural Stem Cells. *Plos one*, 9(9), e106346. doi:

10.1371/journal.pone.0106346. <http://dx.doi.org/10.1371%2Fjournal.pone.0106346>

Chou, J.-S., Chen, C.-Y., Chen, Y.-L., Weng, Y.-H., Yeh, T.-H., Lu, C.-S., . . . Wang, H.-L. (2014). (G2019S) LRRK2 causes early-phase dysfunction of SNpc dopaminergic neurons and impairment of corticostriatal long-term depression in the PD transgenic mouse. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.04.021>.

<http://www.sciencedirect.com/science/article/pii/S0969996114001119>

Chou, Y.-C., Ho, C.-T., & Pan, M.-H. (2018). Immature Citrus reticulata extract promotes browning of beige adipocytes in high-fat diet-induced C57BL/6 mice. *Journal of Agricultural and Food Chemistry*. doi:

10.1021/acs.jafc.8b02719. <https://doi.org/10.1021/acs.jafc.8b02719>

Chou, Y.-C., Ho, P.-Y., Chen, W.-J., Wu, S.-H., & Pan, M.-H. (2020). Lactobacillus fermentum V3 ameliorates colitis-associated tumorigenesis by modulating the gut microbiome. *American Journal of Cancer Research*, 10(4), 1170-1181.

doi: <https://pubmed.ncbi.nlm.nih.gov/32368393>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7191089/>

Choubey, L., Collette, J. C., & Smith, K. M. (2017). Quantitative assessment of fibroblast growth factor receptor 1 expression in neurons and glia. *PeerJ*, 5, e3173.

doi: <https://peerj.com/articles/3173/>

Chouliaras, L., L.A. van den Hove, D., Kenis, G., van Draanen, M., R. Hof, P., van Os, J., . . . P.F. Rutten, B. (2013). Histone Deacetylase 2 in the Mouse Hippocampus: Attenuation of Age-Related Increase by Caloric Restriction. *Current Alzheimer Research*, 10(8), 868-876.

doi: <http://www.ingentaconnect.com/content/ben/car/2013/00000010/00000008/art..>

Chouliaras, L., van den Hove, D. L. A., Kenis, G., Dela Cruz, J., Lemmens, M. A. M., van Os, J., . . . Rutten, B. P. F. (2011). Caloric restriction attenuates age-related changes of DNA methyltransferase 3a in mouse hippocampus. *Brain, Behavior, and Immunity*, 25(4), 616-623. doi.

Chouliaras, L., van den Hove, D. L. A., Kenis, G., Keitel, S., Hof, P. R., van Os, J., . . . Rutten, B. P. F. (2011). Prevention of age-related changes in hippocampal levels of 5-methylcytidine by caloric restriction. *Neurobiology of Aging*. doi.

Chow, V. W., Savonenko, A. V., Melnikova, T., Kim, H., Price, D. L., Li, T., & Wong, P. C. (2010). Modeling an anti-amyloid combination therapy for Alzheimer's disease. *Science translational medicine*, 2(13), 13ra11-13ra11. doi.

Christensen, D. Z., Bayer, T. A., & Wirths, O. (2010). Intracellular A β triggers neuron loss in the cholinergic system of the APP/PS1KI mouse model of Alzheimer's disease. *Neurobiology of Aging*, 31(7), 1153-1163. doi.

Christensen, D. Z., Kraus, S. L., Flohr, A., Cotel, M. C., Wirths, O., & Bayer, T. A. (2008). Transient intraneuronal A β rather than extracellular plaque pathology correlates with neuron loss in the frontal cortex of APP/PS1KI mice. *Acta Neuropathologica*, 116(6), 647-655. doi.

Christensen-Dalsgaard, J., Tang, Y., & Carr, C. E. (2011). Binaural processing by the gecko auditory periphery. *Journal of Neurophysiology*, 105(5), 1992-2004. doi: 10.1152/jn.00004.2011. <http://jn.physiology.org/content/105/5/1992.abstract>

Chtarto, A., Bockstael, O., Gebara, E., Vermoesen, K., Melas, C., Pythoud, C., . . . Tenenbaum, L. (2013). An Adeno-Associated Virus-Based Intracellular Sensor of Pathological Nuclear Factor- κ B Activation for Disease-Inducible Gene Transfer. *Plos one*, 8(1), e53156. doi: 10.1371/journal.pone.0053156. <http://dx.doi.org/10.1371%2Fjournal.pone.0053156>

Chu, C., Murdock, M. H., Jing, D., Won, T. H., Chung, H., Kressel, A. M., . . . Artis, D. (2019). The microbiota regulate neuronal function and fear extinction learning. *Nature*, 574(7779), 543-548. doi: 10.1038/s41586-019-1644-y. <https://doi.org/10.1038/s41586-019-1644-y>

Chu, Q., Lee, D. T. W., Tsao, S. W., Wang, X., & Wong, Y. C. (2007). S-allylcysteine, a water-soluble garlic derivative, suppresses the growth of a human androgen-independent prostate cancer xenograft, CWR22R, under in vivo conditions. *BJU International*, 99(4), 925-932. doi: doi:10.1111/j.1464-410X.2006.06639.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1464-410X.2006.06639.x>

Chu, Q., Ling, M. T., Feng, H., Cheung, H. W., Tsao, S. W., Wang, X., & Wong, Y. C. (2006). A novel anticancer effect of garlic derivatives: inhibition of cancer cell invasion through restoration of E-cadherin expression. *Carcinogenesis*, 27(11), 2180-2180. doi.

Chu, X., Zhou, S., Sun, R., Wang, L., Xing, C., Liang, R., & Kong, Q. (2018). Chrysophanol Relieves Cognition Deficits and Neuronal Loss Through Inhibition of Inflammation in Diabetic Mice. [journal article]. *Neurochemical Research*. doi: 10.1007/s11064-018-2503-1. <https://doi.org/10.1007/s11064-018-2503-1>

Chu, Y., Bartus, R. T., Manfredsson, F. P., Olanow, C. W., & Kordower, J. H. (2020). Long-term post-mortem studies following neurturin gene therapy in patients with advanced Parkinson's disease. *Brain*, 143(3), 960-975. doi: 10.1093/brain/awaa020. <https://doi.org/10.1093/brain/awaa020>

Chu, Y., Buchman, A. S., Olanow, C. W., & Kordower, J. H. (2018). Do subjects with minimal motor features have prodromal PD? *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.25179. <http://dx.doi.org/10.1002/ana.25179>

Chu, Y., Goldman, J. G., Kelly, L., He, Y., Waliczek, T., & Kordower, J. H. (2014). Abnormal alpha-synuclein reduces nigral voltage-dependent anion channel 1 in sporadic and experimental Parkinson's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.05.003>. <http://www.sciencedirect.com/science/article/pii/S0969996114001132>

Chu, Y., Kompoliti, K., Cochran, E. J., Mufson, E. J., & Kordower, J. H. (2002). Age-related decreases in Nurr1 immunoreactivity in the human substantia nigra. *Journal of Comparative Neurology*, 450(3), 203-214. doi.

Chu, Y., & Kordower, J. H. (2007). Age-associated increases of α -synuclein in monkeys and humans are associated with nigrostriatal dopamine depletion: Is this the target for Parkinson's disease? *Neurobiology of Disease*, 25(1), 134-149. doi.

Chu, Y., & Kordower, J. H. (2021). GDNF signaling in subjects with minimal motor deficits and Parkinson's disease. *Neurobiology of Disease*, 105298.

doi: <https://doi.org/10.1016/j.nbd.2021.105298>.

<https://www.sciencedirect.com/science/article/pii/S0969996121000474>

Chu, Y., Le, W., Kompoliti, K., Jankovic, J., Mufson, E. J., & Kordower, J. H. (2006). Nurr1 in Parkinson's disease and related disorders. *Journal of Comparative Neurology*, 494(3), 495-514. doi.

Chu, Y., Morfini, G. A., & Kordower, J. H. (2016). Alterations in Activity-Dependent Neuroprotective Protein in Sporadic and Experimental Parkinson's Disease. *Journal of Parkinson's Disease*, (Preprint), 1-21. doi.

<http://content.iospress.com/articles/journal-of-parkinsons-disease/jpd16..>

Chu, Y., Muller, S., Tavares, A., Barret, O., Alagille, D., Seibyl, J., . . . Kordower, J. H. (2019). Intrastratial alpha-synuclein fibrils in monkeys: spreading, imaging and neuropathological changes. *Brain*. doi: 10.1093/brain/awz296. <https://doi.org/10.1093/brain/awz296>

Chu, Y.-F., Yen, C.-T., & Lee, L.-J. (2012). Neonatal whisker clipping alters behavior, neuronal structure and neural activity in adult rats. *Behavioural Brain Research*, (0). doi: 10.1016/j.bbr.2012.10.022.

<http://www.sciencedirect.com/science/article/pii/S0166432812006729>

Chung, C. Y., Koprach, J. B., Endo, S., & Isacson, O. (2007). An Endogenous Serine/Threonine Protein Phosphatase Inhibitor, G-Substrate, Reduces Vulnerability in Models of Parkinson's Disease. *Journal of Neuroscience*, 27(31), 8314-8323. doi: 10.1523/jneurosci.1972-07.2007.

<http://www.jneurosci.org/cgi/content/abstract/27/31/8314>

Chung, C. Y., Koprach, J. B., Hallett, P. J., & Isacson, O. (2009). Functional enhancement and protection of dopaminergic terminals by RAB3B overexpression. *Proceedings of the National Academy of Sciences*, 106(52), 22474-22479. doi: 10.1073/Proceedings of the National Academy of Sciences.0912193106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/52/22474.abstract>

Chung, C. Y., Koprach, J. B., Siddiqi, H., & Isacson, O. (2009). Dynamic Changes in Presynaptic and Axonal Transport Proteins Combined with Striatal Neuroinflammation Precede Dopaminergic Neuronal Loss in a Rat Model of AAV α -Synucleinopathy. *Journal of Neuroscience*, 29(11), 3365-3373. doi: 10.1523/jneurosci.5427-08.2009.

<http://www.jneurosci.org/cgi/content/abstract/29/11/3365>

Chung, C. Y., Seo, H., Sonntag, K. C., Brooks, A., Lin, L., & Isacson, O. (2005). Cell type-specific gene expression of midbrain dopaminergic neurons reveals molecules involved in their vulnerability and protection. *Human Molecular Genetics*, 14(13), 1709-1725. doi: 10.1093/hmg/ddi178. <http://hmg.oxfordjournals.org/cgi/content/abstract/14/13/1709>

Chung, E., Kong, X., Goldberg, M. P., Stowe, A. M., & Raman, L. (2015). Erythropoietin-mediated neuroprotection in a pediatric mouse model of chronic hypoxia. *Neuroscience Letters*, 597(0), 54-59. doi: <http://dx.doi.org/10.1016/j.neulet.2015.04.026>. <http://www.sciencedirect.com/science/article/pii/S0304394015003158>

Chung, E. Y., & Yoon, J. R. (2008). Ketamine potentiates neurotoxicity in obese mice. *Korean Journal of Anesthesiology*, 55(4), 473-478. doi.

Chung, S., Hedlund, E., Hwang, M., Kim, D. W., Shin, B. S., Hwang, D. Y., . . . Kim, K. S. (2005). The homeodomain transcription factor Pitx3 facilitates differentiation of mouse embryonic stem cells into AHD2-expressing dopaminergic neurons. *Molecular and Cellular Neuroscience*, 28(2), 241-252. doi.

Chung, S., Leung, A., Han, B. S., Chang, M. Y., Moon, J. I., Kim, C. H., . . . Kim, K. S. (2009). Wnt1-lmx1a forms a novel autoregulatory loop and controls midbrain dopaminergic differentiation synergistically with the SHH-FoxA2 pathway. *Cell Stem Cell*, 5(6), 646-658. doi.

Chung, S., Shin, B. S., Hedlund, E., Pruszak, J., Ferree, A., Kang, U. J., . . . Kim, K.-S. (2006). Genetic selection of sox1GFP-expressing neural precursors removes residual tumorigenic pluripotent stem cells and attenuates tumor formation after transplantation. *Journal of Neurochemistry*, 97(5), 1467-1480. doi: 10.1111/j.1471-4159.2006.03841.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.03841.x>

Chung, S., Shin, B.-S., Hwang, M., Lardaro, T., Kang, U. J., Isacson, O., & Kim, K.-S. (2006). Neural Precursors Derived from Embryonic Stem Cells, but Not Those from Fetal Ventral Mesencephalon, Maintain the Potential to Differentiate into Dopaminergic Neurons After Expansion In Vitro. *Stem Cells*, 24(6), 1583-1593. doi: 10.1634/stemcells.2005-0558. <http://stemcells.alphamedpress.org/cgi/content/abstract/24/6/1583>

Chung, Y., Buechel, B. D., Sunwoo, W., Wagner, J. D., & Delgutte, B. (2019). Neural ITD Sensitivity and Temporal Coding with Cochlear Implants in an Animal Model of Early-Onset Deafness. [journal article]. *Journal of the Association for Research in Otolaryngology*. doi: 10.1007/s10162-018-00708-w. <https://doi.org/10.1007/s10162-018-00708-w>

Chung, Y. C., Baek, J. Y., Kim, S. R., Ko, H. W., Bok, E., Shin, W.-H., . . . Jin, B. K. (2017). Capsaicin prevents degeneration of dopamine neurons by inhibiting glial activation and oxidative stress in the MPTP model of Parkinson's disease. [Original Article]. *Experimental and Molecular Medicine*, 49, e298. doi: 10.1038/emm.2016.159. <http://dx.doi.org/10.1038/emm.2016.159>

Cicchetti, F., Lapointe, N., Roberge-Tremblay, A., Saint-Pierre, M., Jimenez, L., Ficke, B. W., & Gross, R. E. (2005). Systemic exposure to paraquat and maneb models early Parkinson's disease in young adult rats. *Neurobiology of Disease*, 20(2), 360-371. doi.

Cicchetti, F., Saporta, S., Hauser, R. A., Parent, M., Saint-Pierre, M., Sanberg, P. R., . . . Freeman, T. B. (2009). Neural transplants in patients with Huntington's disease undergo disease-like neuronal degeneration. *Proceedings of the National Academy of Sciences*, 106(30), 12483-

12488. doi: 10.1073/Proceedings of the National Academy of Sciences.0904239106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/30/12483.abstract>

Ciernia, A. V., Kramár, E. A., Matheos, D. P., Havekes, R., Hemstedt, T. J., Magnan, C. N., . . . Lopez, A. (2017). Mutation of neuron-specific chromatin remodeling subunit BAF53b: rescue of plasticity and memory by manipulating actin remodeling. *Learning and Memory*, 24(5), 199-209. doi: <http://learnmem.cshlp.org/content/24/5/199.short>

Cikla, U., Chanana, V., Kintner, D. B., Covert, L., Dewall, T., Waldman, A., . . . Ferrazzano, P. (2015). Suppression of microglia activation after hypoxia-ischemia results in age-dependent improvements in neurologic injury. *Journal of Neuroimmunology*, 291, 18-27. doi: 10.1016/j.jneuroim.2015.12.004. <http://dx.doi.org/10.1016/j.jneuroim.2015.12.004>

Cimino, P. J., Yang, Y., Li, X., Hemingway, J. F., Cherne, M. K., Khademi, S. B., . . . Keene, C. D. (2013). Ablation of the microglial protein DOCK2 reduces amyloid burden in a mouse model of Alzheimer's disease. *Experimental and Molecular Pathology*, (0). doi: <http://dx.doi.org/10.1016/j.yexmp.2013.01.002>. <http://www.sciencedirect.com/science/article/pii/S001448001300004X>

Cisbani, G., Drouin-Ouellet, J., Gibrat, C., Saint-Pierre, M., Lagacé, M., Badrinarayanan, S., . . . Cicchetti, F. (2015). Cystamine/cysteamine rescue the dopaminergic system and show neurorestorative properties in an animal model of Parkinson's disease. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2015.07.012>. <http://www.sciencedirect.com/science/article/pii/S0969996115300152>

Cisbani, G., Freeman, T. B., Soulet, D., Saint-Pierre, M., Gagnon, D., Parent, M., . . . Cicchetti, F. (2013). Striatal allografts in patients with Huntington's disease: impact of diminished astrocytes and vascularization on graft viability. *Brain*. doi: 10.1093/brain/aws359. <http://brain.oxfordjournals.org/content/early/2013/01/31/brain.aws359.ab...>

Cisbani, G., Le Behot, A., Plante, M.-M., Préfontaine, P., Lecordier, M., & Rivest, S. (2018). Role of the chemokine receptors CCR2 and CX3CR1 in an experimental model of thrombotic stroke. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2018.03.008>. <http://www.sciencedirect.com/science/article/pii/S0889159118300564>

Cisbani, G., Maxan, A., Kordower, J. H., Planel, E., Freeman, T. B., & Cicchetti, F. (2017). Presence of tau pathology within foetal neural allografts in patients with Huntington's and Parkinson's disease. *Brain*, 140(11), 2982-2992. doi: 10.1093/brain/awx255. <http://dx.doi.org/10.1093/brain/awx255>

Cissé, Y., Ishibashi, M., Jost, J., Toossi, H., Mainville, L., Adamantidis, A., . . . Jones, B. E. (2020). Discharge and Role of GABA Pontomesencephalic Neurons in Cortical Activity and Sleep- Wake States Examined by Optogenetics and Juxtacellular Recordings in Mice. *The Journal of Neuroscience*, JN-RM-2875-2819. doi: 10.1523/jneurosci.2875-19.2020. <http://www.jneurosci.org/content/early/2020/06/23/JNEUROSCI.2875-19.2020...>

Cisternas, C. D., Cortes, L. R., Golyner, I., Castillo-Ruiz, A., & Forger, N. G. (2019). Neonatal inhibition of DNA methylation disrupts testosterone-dependent masculinization of neurochemical phenotype. *Endocrinology*. doi: 10.1210/endocr/bqz022. <https://doi.org/10.1210/endocr/bqz022>

Claes, J. M., Nilsson, D.-E., Straube, N., Collin, S. P., & Mallefet, J. (2014). Iso-luminance counterillumination drove bioluminescent shark radiation. *Scientific Reports*, 4. doi: <http://www.nature.com/srep/2014/140310/srep04328/full/srep04328.html>

Claes, J. M., Partridge, J. C., Hart, N. S., Garza-Gisholt, E., Ho, H.-C., Mallefet, J., & Collin, S. P. (2014). Photon Hunting in the Twilight Zone: Visual Features of Mesopelagic Bioluminescent Sharks. *Plos one*, 9(8), e104213. doi: 10.1371/journal.pone.0104213. <http://dx.doi.org/10.1371%2Fjournal.pone.0104213>

Claessens, S. E. F., Belanoff, J. K., Kanatsou, S., Lucassen, P. J., Champagne, D. L., & Ronald de Kloet, E. (2012). Acute effects of neonatal dexamethasone treatment on proliferation and astrocyte immunoreactivity in hippocampus and corpus callosum: Towards a rescue strategy. *Brain Research*, (0). doi: 10.1016/j.brainres.2012.08.017. <http://www.sciencedirect.com/science/article/pii/S0006899312013303>

Claflin, D. I., Schmidt, K. D., Vallandingham, Z. D., Kraszpulski, M., & Hennessy, M. B. (2017). Influence of postnatal glucocorticoids on hippocampal-dependent learning varies with elevation patterns and administration methods. *Neurobiology of Learning and Memory*. doi: <https://doi.org/10.1016/j.nlm.2017.05.010>. <http://www.sciencedirect.com/science/article/pii/S1074742717300801>

Clark, D. P. Q., Perreau, V. M., Shultz, S. R., Brady, R. D., Lei, E., Dixit, S., . . . Boon, W. C. (2019). Inflammation in Traumatic Brain Injury: Roles for Toxic A1 Astrocytes and Microglial–Astrocytic Crosstalk. [journal article]. *Neurochemical Research*. doi: 10.1007/s11064-019-02721-8. <https://doi.org/10.1007/s11064-019-02721-8>

Clark, J., Silvaggi, J. M., Kiselak, T., Zheng, K., Clore, E. L., Dai, Y., . . . Simon, D. K. (2012). Pgc-1 α Overexpression Downregulates Pitx3 and Increases Susceptibility to MPTP Toxicity Associated with Decreased Bdnf. *Plos one*, 7(11), e48925. doi: 10.1371/journal.pone.0048925. <http://dx.doi.org/10.1371%2Fjournal.pone.0048925>

Clark, P. J., Brzezinska, W. J., Puchalski, E. K., Krone, D. A., & Rhodes, J. S. (2009). Functional analysis of neurovascular adaptations to exercise in the dentate gyrus of young adult mice associated with cognitive gain. *Hippocampus*, 19(10), 937-950. doi: 10.1002/hipo.20600

Clark, S., Schwalbe, J., Stasko, M. R., Yarowsky, P. J., & Costa, A. (2006). Fluoxetine rescues deficient neurogenesis in hippocampus of the Ts65Dn mouse model for Down syndrome. *Experimental Neurology*, 200(1), 256-261. doi: 10.1016/j.expneurol.2005.09.010

Clarke, J., Langdon, K. D., & Corbett, D. (2014). Early poststroke experience differentially alters periinfarct layer II and III cortex. *Journal of Cerebral Blood Flow and Metabolism*. doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2013237a.html>

Clarkson, C., Juiz, J. M., & Merchán, M. A. (2010). Transient down-regulation of sound-induced c-Fos protein expression in the inferior colliculus after ablation of the auditory cortex. [Original Research]. *Frontiers in Neuroanatomy*, 4. doi: 10.3389/fnana.2010.00141. <http://www.frontiersin.org/Journal/Abstract.aspx?s=742&name=neuroanatomy..>

Clarkson, C., Juiz, J. M., & Merchán, M. A. (2010). Long-term regulation in calretinin staining in the rat inferior colliculus after unilateral auditory cortical ablation. *Journal of Comparative Neurology*, 518(20), 4261-4276. doi.

Cleren, C., Calingasan, N. Y., Chen, J., & Beal, M. F. (2005). Celastrol protects against MPTP- and 3-nitropropionic acid-induced neurotoxicity. *Journal of Neurochemistry*, 94(4), 995-1004. doi: doi:10.1111/j.1471-4159.2005.03253.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03253.x>

Cleren, C., Calingasan, N. Y., Starkov, A., Jacquard, C., Chen, J., Brouillet, E., & Beal, M. F. (2010). Promethazine protects against 3-nitropropionic acid-induced neurotoxicity. *Neurochemistry International*, 56(2), 208-212. doi.

Cleren, C., Starkov, A. A., Calingasan, N. Y., Lorenzo, B. J., Chen, J., & Beal, M. F. (2005). Promethazine protects against 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine neurotoxicity. *Neurobiology of Disease*, 20(3), 701-708. doi.

Cleren, C., Yang, L., Lorenzo, B., Calingasan, N. Y., Schomer, A., Sireci, A., . . . Beal, M. F. (2008). Therapeutic effects of coenzyme Q10 (CoQ10) and reduced CoQ10 in the MPTP model of Parkinsonism. *Journal of Neurochemistry*, 104(6), 1613-1621. doi: doi:10.1111/j.1471-4159.2007.05097.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.05097.x>

Clevenger, A. C., Kim, H., Salcedo, E., Yonchek, J. C., Rodgers, K. M., Orfila, J. E., . . . Herson, P. S. (2018). Endogenous Sex Steroids Dampen Neuroinflammation and Improve Outcome of Traumatic Brain Injury in Mice. [journal article]. *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-018-1038-x. <https://doi.org/10.1007/s12031-018-1038-x>

Clifford, L., Dampney, B. W., & Carrive, P. (2015). Spontaneously hypertensive rats have more orexin neurons in their medial hypothalamus than normotensive rats. *Experimental Physiology*, n/a-n/a. doi: 10.1113/expphysiol.2014.084137. <http://dx.doi.org/10.1113/expphysiol.2014.084137>

Clinton, S. M., Stead, J. D. H., Miller, S., Watson, S. J., & Akil, H. (2011). Developmental underpinnings of differences in rodent novelty-seeking and emotional reactivity. *European Journal of Neuroscience*, 34(6), 994-1005. doi: 10.1111/j.1460-9568.2011.07811.x. <http://dx.doi.org/10.1111/j.1460-9568.2011.07811.x>

Coban, A., & Filipov, N. M. (2007). Dopaminergic toxicity associated with oral exposure to the herbicide atrazine in juvenile male C57BL/6 mice. *Journal of Neurochemistry*, 100(5), 1177-1187. doi: doi:10.1111/j.1471-4159.2006.04294.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.04294.x>

Cobanoglu, U., Mungan, S., Gundogdu, C., Ersoz, S., Ozoran, Y., & Aydin, F. (2010). The expression of MCM-2 in invasive breast carcinoma: a stereologic approach. *Bratislavske Lekarske Listy*, 111(1), 45-49. doi.

Cobb, J. A., O'Neill, K., Milner, J., Mahajan, G. J., Lawrence, T. J., May, W. L., . . . Stockmeier, C. A. (2015). Density of GFAP-immunoreactive astrocytes is decreased in left hippocampi in major depressive disorder. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.12.044>. <http://www.sciencedirect.com/science/article/pii/S0306452215011379>

Cobb, J. A., Simpson, J., Mahajan, G. J., Overholser, J. C., Jurjus, G. J., Dieter, L., . . . Stockmeier, C. A. (2012). Hippocampal volume and total cell numbers in major depressive disorder. *Journal of Psychiatric Research*, (0). doi: <http://dx.doi.org/10.1016/j.jpsychires.2012.10.020>. <http://www.sciencedirect.com/science/article/pii/S0022395612003433>

Coburn-Litvak, P. S., Tata, D. A., Gorby, H. E., McCloskey, D. P., Richardson, G., & Anderson, B. J. (2004). Chronic corticosterone affects brain weight, and mitochondrial, but not glial volume fraction in hippocampal area CA3. *Neuroscience*, 124(2), 429-438. doi.

Codd, L. N., Blackmore, D. G., Vukovic, J., & Bartlett, P. F. (2020). Exercise reverses learning deficits induced by hippocampal injury by promoting neurogenesis. *Scientific Reports*, 10(1), 19269. doi: 10.1038/s41598-020-76176-1. <https://doi.org/10.1038/s41598-020-76176-1>

Codispoti, K.-E. T., Beason-Held, L. L., Kraut, M. A., O'Brien, R. J., Rudow, G., Pletnikova, O., . . . Resnick, S. M. (2012). Longitudinal brain activity changes in asymptomatic Alzheimer disease. *Brain and Behavior*, no-no. doi: 10.1002/brb3.47. <http://dx.doi.org/10.1002/brb3.47>

Cohen, A., Soleiman, M., Talia, R., Koob, G., George, O., & Mandyam, C. (2014). Extended access nicotine self-administration with periodic deprivation increases immature neurons in the hippocampus. *Psychopharmacology*, 1-11. doi: 10.1007/s00213-014-3685-0. <http://dx.doi.org/10.1007/s00213-014-3685-0>

Cohen, A. D., & Klunk, W. E. (2014). Early detection of Alzheimer's disease using PiB and FDG PET. *Neurobiology of Disease*, 72 Pt A. doi: 10.1016/j.nbd.2014.05.001. <http://dx.doi.org/10.1016/j.nbd.2014.05.001>

Cohen, R. E., Roach, J., & Wade, J. (2011). The distribution of estrogen receptor β mRNA in male and female green anole lizards. *Brain Research*. doi.

Cohen, R. E., & Wade, J. (2010). Distribution of Two Isozymes of 5 α -Reductase in the Brains of Adult Male and Female Green Anole Lizards. *Brain, Behavior and Evolution*, 76(3-4), 279-288. doi.

Cohen, R. E., & Wade, J. (2011). Aromatase mRNA in the Brain of Adult Green Anole Lizards: Effects of Sex and Season. *Journal of Neuroendocrinology*, 23(3), 254-260. doi: 10.1111/j.1365-2826.2010.02102.x. <http://dx.doi.org/10.1111/j.1365-2826.2010.02102.x>

Cohen, R. E., & Wade, J. (2012). Aromatase and 5 α -reductase type 2 mRNA in the green anole forebrain: An investigation of the effects of sex, season and testosterone manipulation. *General and Comparative Endocrinology*. doi.

Cohen, R. E., & Wade, J. (2012). Expression of aromatase and two isozymes of 5 α -reductase in the developing green anole forebrain. *Journal of Neuroendocrinology*. doi.

Cohen, R. M., Rezai-Zadeh, K., Weitz, T. M., Rentsendorj, A., Gate, D., Spivak, I., . . . Town, T. (2013). A Transgenic Alzheimer Rat with Plaques, Tau Pathology, Behavioral Impairment, Oligomeric A β , and Frank Neuronal Loss. *Journal of Neuroscience*, 33(15), 6245-6256. doi: 10.1523/jneurosci.3672-12.2013.
<http://www.jneurosci.org/content/33/15/6245.abstract>

Cohen, R. M., Rezai-Zadeh, K., Weitz, T. M., Rentsendorj, A., Gate, D., Spivak, I., . . . Town, T. (2013). A Transgenic Alzheimer Rat with Plaques, Tau Pathology, Behavioral Impairment, Oligomeric A β , and Frank Neuronal Loss. *Journal of Neuroscience*, 33(15), 6245-6256. doi: 10.1523/jneurosci.3672-12.2013.
<http://www.jneurosci.org/content/33/15/6245.abstract>

Cohn, B. A., Collin, S. P., Wainwright, P. C., & Schmitz, L. (2015). Retinal topography maps in R: New tools for the analysis and visualization of spatial retinal data. *Journal of Vision*, 15(9), 19-19. doi: 10.1167/15.9.19. <http://dx.doi.org/10.1167/15.9.19>

Coimbra, B., Soares-Cunha, C., Vasconcelos, N. A. P., Domingues, A. V., Borges, S., Sousa, N., & Rodrigues, A. J. (2019). Role of laterodorsal tegmentum projections to nucleus accumbens in reward-related behaviors. *Nature Communications*, 10(1), 4138. doi: 10.1038/s41467-019-11557-3. <https://doi.org/10.1038/s41467-019-11557-3>

Coimbra, J. P., Alagaili, A. N., Bennett, N. C., Mohammed, O. B., & Manger, P. R. (2019). Unusual topographic specializations of retinal ganglion cell density and spatial resolution in a cliff-dwelling artiodactyl, the Nubian ibex (*Capra nubiana*). *Journal of Comparative Neurology*, o(ja). doi: 10.1002/cne.24709.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24709>

Coimbra, J. P., Collin, S. P., & Hart, N. S. (2014). Topographic specializations in the retinal ganglion cell layer correlate with lateralized visual behavior, ecology and evolution in cockatoos. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23637. <http://dx.doi.org/10.1002/cne.23637>

Coimbra, J. P., Collin, S. P., & Hart, N. S. (2014). Topographic specializations in the retinal ganglion cell layer of Australian passerines. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23624. <http://dx.doi.org/10.1002/cne.23624>

Coimbra, J. P., Collin, S. P., & Hart, N. S. (2014). Variations in retinal photoreceptor topography and the organization of the rod-free zone reflect behavioral diversity in Australian passerines. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23718. <http://dx.doi.org/10.1002/cne.23718>

Coimbra, J. P., Hart, N. S., Collin, S. P., & Manger, P. R. (2012). Scene from above: Retinal ganglion cell topography and spatial resolving power in the giraffe (*giraffa camelopardalis*). *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23271. <http://dx.doi.org/10.1002/cne.23271>

Coimbra, J. P., Kaswera-Kyamakya, C., Gilissen, E., Manger, P., & Collin, S. (2015). The Retina of Ansorge's Cusimanse (*Crossarchus ansorgei*): Number, Topography and Convergence of Photoreceptors and Ganglion Cells in Relation to Ecology and Behavior. *Brain, Behavior and Evolution*. doi: <http://www.karger.com/Article/Abstract/433514>

Coimbra, J. P., Kaswera-Kyamakya, C., Gilissen, E., Manger, P. R., & Collin, S. P. (2016). The Topographic Organization of Retinal Ganglion Cell Density and Spatial Resolving Power in an Unusual Arboreal and Slow-Moving Strepsirrhine Primate, the Potto (*Perodicticus potto*). *Brain, Behavior and Evolution*. doi: <http://www.karger.com/Article/Abstract/443015>

Coimbra, J. P., Pettigrew, J. D., Kaswera-Kyamakya, C., Gilissen, E., Collin, S. P., & Manger, P. R. (2016). Retinal ganglion cell topography and spatial resolving power in African megachiropterans: Influence of roosting microhabitat and foraging. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24055. <http://dx.doi.org/10.1002/cne.24055>

Coimbra, J. P., Trévia, N., Videira Marceliano, M. L., da Silveira Andrade-Da-Costa, B. L., Picanço-Diniz, C. W., & Yamada, E. S. (2009). Number and distribution of neurons in the retinal ganglion cell layer in relation to foraging behaviors of tyrant flycatchers. *Journal of Comparative Neurology*, 514(1), 66-73. doi: <https://doi.org/10.1002/cne.21431>

Colak, S., Geyikoglu, F., Keles, O. N., Turkez, H., Topal, A., & Unal, B. (2011). The neuroprotective role of boric acid on aluminum chloride-induced neurotoxicity. *Toxicology and Industrial Health*, 27(8), 700-710. doi: <https://doi.org/10.1080/15376102.2011.608888>

Colciaghi, F., Nobili, P., Cipelletti, B., Cagnoli, C., Zambon, S., Locatelli, D., . . . Battaglia, G. S. (2019). Targeting PSD95-nNOS interaction by Tat-N-dimer peptide during status epilepticus is neuroprotective in MAM-pilocarpine rat model. *Neuropharmacology*, 153, 82-97. doi: <https://doi.org/10.1016/j.neuropharm.2019.04.028>. <http://www.sciencedirect.com/science/article/pii/S0028390819301431>

Coleman, A. M., & Sengelaub, D. R. (2002). Patterns of dye coupling in lumbar motor nuclei of the rat. *Journal of Comparative Neurology*, 454(1), 34-41. doi: <https://doi.org/10.1002/cne.10021>

Colín-Castelán, D., Phillips-Farfán, B. V., Gutiérrez-Ospina, G., Fuentes-Farias, A. L., Báez-Saldaña, A., Padilla-Cortés, P., & Meléndez-Herrera, E. (2011). EphB4 is developmentally and differentially regulated in blood vessels throughout the forebrain neurogenic niche in the mouse brain: Implications for vascular remodeling. *Brain Research*. doi: <https://doi.org/10.1016/j.brainres.2011.08.048>

Collette, J. C., Choubey, L., & Smith, K. M. (2017). Glial and stem cell expression of murine Fibroblast Growth Factor Receptor 1 in the embryonic and perinatal nervous system. *PeerJ*, 5, e3519. doi: 10.7717/peerj.3519. <https://doi.org/10.7717/peerj.3519>

Collier, T. J., O'Malley, J., Rademacher, D. J., Stancati, J. A., Sisson, K. A., Sortwell, C. E., . . . Steece-Collier, K. (2015). Interrogating the aged striatum: Robust survival of grafted dopamine neurons in aging rats produces inferior behavioral recovery and evidence of impaired integration. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.03.005>. <http://www.sciencedirect.com/science/article/pii/S0969996115000674>

Collins, S. A., Huff, C., Chiaia, N., Gudelsky, G. A., & Yamamoto, B. K. (2015). MDMA Increases Excitability in the Dentate Gyrus: Role of 5HT_{2A} Receptor Induced PGE₂ Signaling. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13493. <http://dx.doi.org/10.1111/jnc.13493>

Colom, L. V., Castaneda, M. T., Aleman, D., & Touhami, A. (2013). Memantine protects cholinergic and glutamatergic septal neurons from A β 1-40-induced toxicity. *Neuroscience Letters*, (o). doi: <http://dx.doi.org/10.1016/j.neulet.2013.02.010>. <http://www.sciencedirect.com/science/article/pii/S0304394013001201>

Colom, L. V., Castañeda, M. T., Bañuelos, C., Puras, G., García-Hernández, A., Hernandez, S., . . . Lehker, C. (2010). Medial septal β -amyloid 1-40 injections alter septo-hippocampal anatomy and function. *Neurobiology of Aging*, 31(1), 46-57. doi.

Colom, L. V., Castaneda, M. T., Reyna, T., Hernandez, S., & Garrido-sanabria, E. (2005). Characterization of medial septal glutamatergic neurons and their projection to the hippocampus. *Synapse*, 58(3), 151-164. doi.

Colton, C. A., Wilson, J. G., Everhart, A., Wilcock, D. M., Puoliväli, J., Heikkinen, T., . . . Vitek, M. P. (2014). mNos2 Deletion and Human NOS2 Replacement in Alzheimer Disease Models. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.0000000000000094. doi: http://journals.lww.com/jneuropath/Fulltext/publishahead/mNos2_Deletion...

Comba, R., Gervais, N., Mumby, D., & Holahan, M. (2015). Emergence of spatial behavioral function and associated mossy fiber connectivity and c-Fos labeling patterns in the hippocampus of rats. *F1000Research*, 4, 396. doi: 10.12688/f1000research.6822.1. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4712777/>

Cömert Kılıç, S., Güngörmüş, M., & Parlak, S. N. (2017). Histologic and histomorphometric assessment of sinus-floor augmentation with beta-tricalcium phosphate alone or in combination with pure-platelet-rich plasma or platelet-rich fibrin: A randomized clinical trial. *Clinical Implant Dentistry and Related Research*, n/a-n/a. doi: 10.1111/cid.12522. <http://dx.doi.org/10.1111/cid.12522>

Cong, W.-N., Chadwick, W., Wang, R., Daimon, C. M., Cai, H., Amma, J., . . . Maudsley, S. (2014). Amitriptyline Improves Motor Function via Enhanced Neurotrophin Signaling and Mitochondrial Functions in the Murine N171-82Q Huntington's Disease Model. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M114.588608. <http://www.jbc.org/content/early/2014/12/11/jbc.M114.588608.abstract>

Conner, J. M., Culbertson, A., Packowski, C., Chiba, A. A., & Tuszynski, M. H. (2003). Lesions of the basal forebrain cholinergic system impair task acquisition and abolish cortical plasticity associated with motor skill learning. *Neuron*, 38(5), 819-829. doi.

Conner, J. M., Franks, K. M., Titterness, A. K., Russell, K., Merrill, D. A., Christie, B. R., . . . Tuszynski, M. H. (2009). NGF Is Essential for Hippocampal Plasticity and Learning. *Journal of Neuroscience*, 29(35), 10883-10889. doi.

Conner, K. R., Forbes, M. E., Lee, W. H., Lee, Y. W., & Riddle, D. (2011). AT1 receptor antagonism does not influence early radiation-induced changes in microglial activation or neurogenesis in the normal rat brain. *Radiation Research*. doi.

Conner, K. R., Payne, V. S., Forbes, M. E., Robbins, M. E., & Riddle, D. R. (2010). Effects of the AT1 receptor antagonist L-158,809 on microglia and neurogenesis after fractionated whole- brain irradiation. *Radiation Research*, 173(1), 49-49. doi.

Connor, B., Kozlowski, D. A., Schallert, T., Tillerson, J. L., Davidson, B. L., & Bohn, M. C. (1999). Differential effects of glial cell line-derived neurotrophic factor (GDNF) in the striatum and substantia nigra of the aged Parkinsonian rat. *Gene Therapy*, 6, 1936-1951. doi.

Contet, C., Kim, A., Le, D., Iyengar, S. K., Kotzebue, R. W., Yuan, C. J., . . . Mandyam, C. D. (2013). μ -Opioid receptors mediate the effects of chronic ethanol binge drinking on the hippocampal neurogenic niche. *Addiction Biology*, n/a-n/a. doi: 10.1111/adb.12040. <http://dx.doi.org/10.1111/adb.12040>

Contreras-García, J. I., Rodríguez-Castañeda, L., Gómez-Lira, G., Ramírez-Hernández, R., Villafán, H., Granados-Rojas, L., . . . Mendoza Torreblanca, J. G. (2012). The age-dependent change in periglomerular populations of olfactory bulb is not affected by interrupting subventricular neuroblast migration. *Neuroscience Letters*, (0). doi: 10.1016/j.neulet.2012.05.050. <http://www.sciencedirect.com/science/article/pii/S0304394012006969?v=s5>

Conway, A., & Schaffer, D. V. (2014). Biomaterial microenvironments to support the generation of new neurons in the adult brain. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1650. <http://dx.doi.org/10.1002/stem.1650>

Conway, A., Vazin, T., Spelke, D. P., Rode, N. A., Healy, K. E., Kane, R. S., & Schaffer, D. V. (2013). Multivalent ligands control stem cell behaviour in vitro and in vivo. *Nature Nanotechnology*. doi. <http://www.nature.com/nnano/journal/vaop/ncurrent/full/nnano.2013.205.html>

Cook, D. J., Nguyen, C., Chun, H. N., L Llorente, I., Chiu, A. S., Machnicki, M., . . . Carmichael, S. T. (2016). Hydrogel-delivered brain-derived neurotrophic factor promotes tissue repair and recovery after stroke. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x16649964. <http://jcb.sagepub.com/content/early/2016/05/11/0271678X16649964.abstract>

Cooke, B. M. (2011). Synaptic Reorganisation of the Medial Amygdala During Puberty. *Journal of Neuroendocrinology*, 23(1), 65-73. doi.

Coon, E. A., Schmeichel, A. M., Parisi, J. E., Cykowski, M. D., Low, P. A., & Benarroch, E. E. (2016). Medullary neuronal loss is not associated with α -synuclein burden in multiple system atrophy. *Movement Disorders*, n/a-n/a. doi: 10.1002/mds.26798. <http://dx.doi.org/10.1002/mds.26798>

Cooper, O., Hargus, G., Deleidi, M., Blak, A., Osborn, T., Marlow, E., . . . others. (2010). Differentiation of human ES and Parkinson's disease iPS cells into ventral midbrain

dopaminergic neurons requires a high activity form of SHH, FGF8a and specific regionalization by retinoic acid. *Molecular and Cellular Neuroscience*, 45(3), 258-266. doi.

Cooper, O., & Isacson, O. (2004). Intrastriatal transforming growth factor α delivery to a model of Parkinson's disease induces proliferation and migration of endogenous adult neural progenitor cells without differentiation into dopaminergic neurons. *Journal of Neuroscience*, 24(41), 8924-8924. doi.

Cooper-Kuhn, C. M., Winkler, J., & Kuhn, H. G. (2004). Decreased neurogenesis after cholinergic forebrain lesion in the adult rat. *Journal of Neuroscience Research*, 77(2), 155-165. doi.

Cope, E. C., Briones, B. A., Brockett, A. T., Martinez, S., Vigneron, P.-A., Opendak, M., . . . Gould, E. (2016). Immature neurons and radial glia, but not astrocytes or microglia, are altered in adult *Cntnap2* and *Shank3* mice, models of autism. [10.1523/ENEURO.0196-16.2016]. *eneuro*. doi: <http://eneuro.sfn.org/content/early/2016/09/28/ENEURO.0196-16.2016.abstract>

Cope, E. C., LaMarca, E. A., Monari, P. K., Olson, L. B., Martinez, S., Zych, A. D., . . . Gould, E. (2018). Microglia play an active role in obesity-associated cognitive decline. [10.1523/JNEUROSCI.0789-18.2018]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2018/09/10/JNEUROSCI.0789-18.2018...>

Cope, E. C., Morris, D. R., Gower-Winter, S. D., Brownstein, N. C., & Levenson, C. W. (2016). Effect of zinc supplementation on neuronal precursor proliferation in the rat hippocampus after traumatic brain injury. *Experimental Neurology*, 279, 96-103. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.02.017>. <http://www.sciencedirect.com/science/article/pii/S0014488616300383>

Cope, E. C., Opendak, M., LaMarca, E. A., Murthy, S., Park, C. Y., Olson, L. B., . . . Gould, E. (2018). The effects of living in an outdoor enclosure on hippocampal plasticity and anxiety- like behavior in response to nematode infection. *Hippocampus*, 0(ja). doi: 10.1002/hipo.23033. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hipo.23033>

Cope, E. C., Zych, A. D., Katchur, N. J., Waters, R. C., Laham, B. J., Diethorn, E. J., . . . Gould, E. (2021). Atypical perineuronal nets in the CA2 region interfere with social memory in a mouse model of social dysfunction. *Molecular Psychiatry*. doi: 10.1038/s41380-021-01174-2. <https://doi.org/10.1038/s41380-021-01174-2>

Copenhaver, P. F., Anekonda, T. S., Musashe, D., Robinson, K. M., Ramaker, J. M., Swanson, T. L., . . . Quinn, J. F. (2011). A translational continuum of model systems for evaluating treatment strategies in Alzheimer's disease: isradipine as a candidate drug. *Disease Models and Mechanisms*, 4(5), 634-634. doi.

Coppieters, N., Dieriks, B. V., Lill, C., Faull, R. L. M., Curtis, M. A., & Dragunow, M. (2013). Global changes in DNA methylation and hydroxymethylation in Alzheimer's disease human brain. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2013.11.031>. <http://www.sciencedirect.com/science/article/pii/S0197458013006155>

Corbett, N. J., Gabbott, P. L., Klementiev, B., Davies, H. A., Colyer, F. M., Novikova, T., & Stewart, M. G. (2013). Amyloid-Beta Induced CA1 Pyramidal Cell Loss in Young Adult Rats Is Alleviated by Systemic Treatment with FGL, a Neural Cell Adhesion Molecule-Derived Mimetic Peptide. *Plos one*, 8(8), e71479. doi: 10.1371/journal.pone.0071479. <http://dx.doi.org/10.1371%2Fjournal.pone.0071479>

Cordaro, M., Siracusa, R., Crupi, R., Impellizzeri, D., Peritore, A. F., D'Amico, R., . . . Cuzzocrea, S. (2018). 2-Pentadecyl-2-Oxazoline Reduces Neuroinflammatory Environment in the MPTP Model of Parkinson Disease. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-1064-2. <https://doi.org/10.1007/s12035-018-1064-2>

Cordeiro, K. K., Jiang, W., Papazoglou, A., Tenório, S. B., Döbrössy, M., & Nikkhah, G. (2010). Graft-mediated functional recovery on a skilled forelimb use paradigm in a rodent model of Parkinson's disease is dependent on reward contingency. *Behavioural Brain Research*, 212(2), 187-195. doi.

Cordeiro Matos, S., Zamfir, M., Longo, G., Ribeiro-da-Silva, A., & Séguéla, P. (2017). Noradrenergic fiber sprouting and altered transduction in neuropathic prefrontal cortex. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-017-1543-7. <https://doi.org/10.1007/s00429-017-1543-7>

Coremans, V., Ahmed, T., Balschun, D., D'Hooge, R., DeVriese, A., Cremer, J., . . . Conway, E. (2010). Impaired neurogenesis, learning and memory and low seizure threshold associated with loss of neural precursor cell survivin. *BMC Neuroscience*, 11(1), 2. doi: <http://www.biomedcentral.com/1471-2202/11/2>

Corenblum, M. J., Flores, A. J., Badowski, M., Harris, D. T., & Madhavan, L. (2015). Systemic human CD34+ cells populate the brain and activate host mechanisms to counteract nigrostriatal degeneration. *Regenerative Medicine*, 10(5), 563-577. doi: 10.2217/rme.15.32. <http://dx.doi.org/10.2217/rme.15.32>

Corfield, J., Long, B., Krilow, J., Wylie, D., & Iwaniuk, A. (2015). A unique cellular scaling rule in the avian auditory system. *Brain Structure and Function*, 1-19. doi: 10.1007/s00429-015-1064-1. <http://dx.doi.org/10.1007/s00429-015-1064-1>

Cornejo, F., Vruwink, M., Metz, C., Muñoz, P., Salgado, N., Poblete, J., . . . von Bernhardi, R. (2018). Scavenger Receptor-A deficiency impairs immune response of microglia and astrocytes potentiating Alzheimer's disease pathophysiology. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2017.12.007>. <https://www.sciencedirect.com/science/article/pii/S0889159117305470>

Correa, M., Pardo, M., Bayarri, P., López-Cruz, L., San Miguel, N., Valverde, O., . . . Salamone, J. (2015). Choosing voluntary exercise over sucrose consumption depends upon dopamine transmission: effects of haloperidol in wild type and adenosine A2AKO mice. *Psychopharmacology*, 1-12. doi: 10.1007/s00213-015-4127-3. <http://dx.doi.org/10.1007/s00213-015-4127-3>

Correll, E. A., Ramser, B. J., Knott, M. V., McCullumsmith, R. E., McGuire, J. L., & Ngwenya, L. B. (2021). Deficits in pattern separation and dentate gyrus proliferation after rodent lateral fluid

perussion injury. *IBRO Neuroscience Reports*, 10, 31-41.

doi: <https://doi.org/10.1016/j.ibneur.2020.11.005>.

<https://www.sciencedirect.com/science/article/pii/S266724212000007X>

Corvino, V., Marchese, E., Podda, M. V., Lattanzi, W., Giannetti, S., Di Maria, V., . . . Geloso, M. C. (2014). The Neurogenic Effects of Exogenous Neuropeptide Y: Early Molecular Events and Long-Lasting Effects in the Hippocampus of Trimethyltin-Treated Rats. *Plos one*, 9(2), e88294. doi:

10.1371/journal.pone.0088294. <http://dx.doi.org/10.1371%2Fjournal.pone.0088294>

Côté, M., Poirier, A. A., Aubé, B., Jobin, C., Lacroix, S., & Soulet, D. (2015). Partial depletion of the proinflammatory monocyte population is neuroprotective in the myenteric plexus but not in the basal ganglia in a MPTP mouse model of Parkinson's disease. *Brain, Behavior, and Immunity*, (0).

doi: <http://dx.doi.org/10.1016/j.bbi.2015.01.009>.

<http://www.sciencedirect.com/science/article/pii/S0889159115000112>

Côté, M.-P., Detloff, M. R., Rodel E. Wade, J., Lemay, M. A., & Houlié, J. D. (2012). Plasticity in ascending long propriospinal and descending supraspinal pathways in chronic cervical spinal cord injured rats. *Frontiers in Physiology*, 3(330). doi: 10.3389/fphys.2012.00330.

Cotel, M. C., Bayer, T. A., & Wirths, O. (2008). Age-dependent loss of dentate gyrus granule cells in APP/PS1KI mice. *Brain Research*, 1222, 207-213. doi.

Cotel, M. C., Jawhar, S., Christensen, D. Z., Bayer, T. A., & Wirths, O. (2010). Environmental enrichment fails to rescue working memory deficits, neuron loss, and neurogenesis in APP/PS1KI mice. *Neurobiology of Aging*. doi.

Cotel, M.-C., Lenartowicz, E. M., Natesan, S., Modo, M. M., Cooper, J. D., Williams, S. C. R., . . . Vernon, A. C. (2015). Microglial activation in the rat brain following chronic antipsychotic treatment at clinically relevant doses. *European Neuropsychopharmacology*.

doi: <http://dx.doi.org/10.1016/j.euroneuro.2015.08.004>.

<http://www.sciencedirect.com/science/article/pii/S0924977X15002576>

Couillard-Despres, S., Winner, B., Schauback, S., Aigner, R., Vroemen, M., Weidner, N., . . . Aigner, L. (2005). Doublecortin expression levels in adult brain reflect neurogenesis. *European Journal of Neuroscience*, 21(1), 1-14. doi: doi:10.1111/j.1460-

9568.2004.03813.x. [http://www.blackwell-](http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2004.03813.x)

[synergy.com/doi/abs/10.1111/j.1460-9568.2004.03813.x](http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2004.03813.x)

Couillard-Despres, S., Wuertinger, C., Kandasamy, M., Caioni, M., Stadler, K., Aigner, R., . . . Aigner, L. (2009). Ageing abolishes the effects of fluoxetine on neurogenesis. *Molecular Psychiatry*. doi. <http://dx.doi.org/10.1038/mp.2008.147>

Coulin, C., Drakew, A., Frotscher, M., & Deller, T. (2001). Stereological estimates of total neuron numbers in the hippocampus of adult reeler mutant mice: Evidence for an increased survival of Cajal-Retzius cells. *Journal of Comparative Neurology*, 439(1), 19-31. doi.

Coune, P. G., Bensadoun, J. C., Aebischer, P., & Schneider, B. L. (2011). Rab1A Over-Expression Prevents Golgi Apparatus Fragmentation and Partially Corrects Motor Deficits in an Alpha-Synuclein Based Rat Model of Parkinson's Disease. *Journal of Parkinson's Disease*, 1(4), 373-387. doi.

Coune, P. G., Craveiro, M., Gaugler, M. N., Mlynárik, V., Schneider, B. L., Aebischer, P., & Gruetter, R. (2012). An in vivo ultrahigh field 14.1 T ¹H-MRS study on 6-OHDA and α -synuclein-based rat models of Parkinson's disease: GABA as an early disease marker. *NMR in Biomedicine*, n/a-n/a. doi: 10.1002/nbm.2817. <http://dx.doi.org/10.1002/nbm.2817>

Courchesne, S. L., Karch, C., Pazyra-Murphy, M. F., & Segal, R. A. (2011). Sensory Neuropathy Attributable to Loss of Bcl-w. *Journal of Neuroscience*, 31(5), 1624-1634. doi: 10.1523/jneurosci.3347-10.2011. <http://www.jneurosci.org/content/31/5/1624.abstract>

Courtine, G., Song, B., Roy, R. R., Zhong, H., Herrmann, J. E., Ao, Y., . . . Sofroniew, M. V. (2008). Recovery of supraspinal control of stepping via indirect propriospinal relay connections after spinal cord injury. *Nature Medicine*, 14(1), 69-74. doi.

Coutellier, L., Ardestani, P. M., & Shamloo, M. (2014). β 1-adrenergic receptor activation enhances memory in Alzheimer's disease model. *Annals of Clinical and Translational Neurology*, n/a-n/a. doi: 10.1002/acn3.57. <http://dx.doi.org/10.1002/acn3.57>

Coutellier, L., Beraki, S., Ardestani, P. M., Saw, N. L., & Shamloo, M. (2012). Npas4: A Neuronal Transcription Factor with a Key Role in Social and Cognitive Functions Relevant to Developmental Disorders. *Plos one*, 7(9), e46604. doi: 10.1371/journal.pone.0046604. <http://dx.doi.org/10.1371%2Fjournal.pone.0046604>

Coutellier, L., Gilbert, V., & Shepard, R. (2015). Npas4 deficiency increases vulnerability to juvenile stress in mice. *Behavioural Brain Research*, (o). doi: <http://dx.doi.org/10.1016/j.bbr.2015.04.027>. <http://www.sciencedirect.com/science/article/pii/S0166432815002697>

Cowen, S., McLaughlin, S. L., Hobbs, G., Coad, J., Martin, K. H., Olfert, I. M., & Vona-Davis, L. (2015). High-Fat, High-Calorie Diet Enhances Mammary Carcinogenesis and Local Inflammation in MMTV-PyMT Mouse Model of Breast Cancer. *Cancers*, 7(3), 1125-1142. doi. <http://www.mdpi.com/2072-6694/7/3/0828/htm>

Crabbé, M., Van der Perren, A., Weerasekera, A., Himmelreich, U., Baekelandt, V., Van Laere, K., & Casteels, C. (2017). Altered mGluR5 binding potential and glutamine concentration in the 6-OHDA rat model of acute Parkinson's disease and levodopa-induced dyskinesia. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2017.09.006>. <http://www.sciencedirect.com/science/article/pii/S0197458017302993>

Craggs, L. J. L., Yamamoto, Y., Ihara, M., Fenwick, R., Burke, M., Oakley, A. E., . . . Kalaria, R. N. (2013). White matter pathology and disconnection in the frontal lobe in CADASIL. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12073. <http://dx.doi.org/10.1111/nan.12073>

Craver, B. M., Acharya, M. M., Allen, B. D., Benke, S. N., Hultgren, N. W., Baulch, J. E., & Limoli, C. L. (2016). 3D surface analysis of hippocampal microvasculature in the irradiated brain. *Environmental and Molecular Mutagenesis*, n/a-n/a. doi: 10.1002/em.22015. <http://dx.doi.org/10.1002/em.22015>

Creed, J., Cantillana-Riquelme, V., Yan, B. H., Ma, S., Chu, D., Wang, H., . . . Hoffmann, U. (2020). Argon Inhalation for 24 h After Closed-Head Injury Does not Improve Recovery, Neuroinflammation, or Neurologic Outcome in Mice. *Neurocritical Care*. doi: 10.1007/s12028-020-01104-0. <https://doi.org/10.1007/s12028-020-01104-0>

Creed, R. B., & Goldberg, M. S. (2020). Enhanced Susceptibility of PINK1 Knockout Rats to α -Synuclein Fibrils. *Neuroscience*, 437, 64-75. doi: <https://doi.org/10.1016/j.neuroscience.2020.04.032>. <http://www.sciencedirect.com/science/article/pii/S0306452220302554>

Creeley, C., Dikranian, K., Dissen, G., Martin, L., Olney, J., & Brambrink, A. (2013). Propofol-induced apoptosis of neurones and oligodendrocytes in fetal and neonatal rhesus macaque brain. *British Journal of Anaesthesia*, 110(suppl 1), i29-i38. doi: 10.1093/bja/aet173. http://bja.oxfordjournals.org/content/110/suppl_1/i29.abstract

Creer, D. J., Romberg, C., Saksida, L. M., van Praag, H., & Bussey, T. J. (2010). Running enhances spatial pattern separation in mice. *Proceedings of the National Academy of Sciences*, -. doi: 10.1073/Proceedings of the National Academy of Sciences.0911725107. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2010/01/11/0911725107.abstract>

Cressman, V. L., Balaban, J., Steinfeld, S., Shemyakin, A., Graham, P., Parisot, N., & Moore, H. (2010). Prefrontal cortical inputs to the basal amygdala undergo pruning during late adolescence in the rat. *Journal of Comparative Neurology*, 518(14), 2693-2709. doi: 10.1002/jcomp.20600

Crevier-Sorbo, G., Rymar, V. V., Crevier-Sorbo, R., & Sadikot, A. F. (2020). Thalamostriatal degeneration contributes to dystonia and cholinergic interneuron dysfunction in a mouse model of Huntington's disease. *Acta Neuropathologica Communications*, 8(1), 14. doi: 10.1186/s40478-020-0878-0. <https://doi.org/10.1186/s40478-020-0878-0>

Crews, L., Adame, A., Patrick, C., DeLaney, A., Pham, E., Rockenstein, E., . . . Masliah, E. (2010). Increased BMP6 Levels in the Brains of Alzheimer's Disease Patients and APP Transgenic Mice Are Accompanied by Impaired Neurogenesis. *Journal of Neuroscience*, 30(37), 12252- 12262. doi: 10.1523/jneurosci.1305-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/37/12252>

Crews, L., Mizuno, H., Desplats, P., Rockenstein, E., Adame, A., Patrick, C., . . . Masliah, E. (2008). α -Synuclein Alters Notch-1 Expression and Neurogenesis in Mouse Embryonic Stem Cells and in the Hippocampus of Transgenic Mice. *Journal of Neuroscience*, 28(16), 4250- 4260. doi: 10.1523/jneurosci.0066-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/16/4250>

Crews, L., Patrick, C., Adame, A., Rockenstein, E., & Masliah, E. (2011). Modulation of aberrant CDK5 signaling rescues impaired neurogenesis in models of Alzheimer's disease. *Cell Death and Disease*, 2(2), e120-e120. doi.

Cristóvão, A. C., Choi, D. H., Baltazar, G., Beal, M. F., & Kim, Y. S. (2009). The Role of NADPH Oxidase 1-Derived Reactive Oxygen Species in Paraquat-Mediated Dopaminergic Cell Death. *Antioxidants and redox signaling*, 11(9), 2105-2118. doi.

Cristóvão, A. C., Guhathakurta, S., Bok, E., Je, G., Yoo, S. D., Choi, D. H., & Kim, Y. S. (2012). NADPH Oxidase 1 Mediates α -Synucleinopathy in Parkinson's Disease. *Journal of Neuroscience*, 32(42), 14465-14477. doi.

Crocker, C. E., Khan, S., Cameron, M. D., Robertson, H. A., Robertson, G. S., & LoGrasso, P. (2011). JNK inhibition protects dopamine neurons and provides behavioral improvement in a rat 6-hydroxydopamine model of Parkinson's disease. *ACS Chemical Neuroscience*. doi.

Crone, S. A., Negro, A., Trumpp, A., Giovannini, M., & Lee, K. F. (2003). Colonic epithelial expression of ErbB2 is required for postnatal maintenance of the enteric nervous system. *Neuron*, 37(1), 29-40. doi.

Crotti, A., Benner, C., Kerman, B. E., Gosselin, D., Lagier-Tourenne, C., Zuccato, C., . . . Glass, C. K. (2014). Mutant Huntingtin promotes autonomous microglia activation via myeloid lineage- determining factors. *Nature Neuroscience*. doi. <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3668.html>

Crow, J. P., Calingasan, N. Y., Chen, J., Hill, J. L., & Beal, M. F. (2005). Manganese porphyrin given at symptom onset markedly extends survival of ALS mice. *Annals of Neurology*, 58(2), 258-265. doi.

Crupi, R., Impellizzeri, D., Cordaro, M., Siracusa, R., Casili, G., Evangelista, M., & Cuzzocrea, S. (2018). N-palmitoylethanolamide Prevents Parkinsonian Phenotypes in Aged Mice. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-0959-2. <https://doi.org/10.1007/s12035-018-0959-2>

Cruz, D. A., Eggan, S. M., Azmitia, E. C., & Lewis, D. A. (2004). Serotonin1A receptors at the axon initial segment of prefrontal pyramidal neurons in schizophrenia. *American Journal of Psychiatry*, 161(4), 739-742. doi.

Cruz, D. A., Eggan, S. M., & Lewis, D. A. (2003). Postnatal development of pre-and postsynaptic GABA markers at chandelier cell connections with pyramidal neurons in monkey prefrontal cortex. *Journal of Comparative Neurology*, 465(3), 385-400. doi.

Cruz, D. A., Lovallo, E. M., Stockton, S., Rasband, M., & Lewis, D. A. (2009). Postnatal development of synaptic structure proteins in pyramidal neuron axon initial segments in monkey prefrontal cortex. *Journal of Comparative Neurology*, 514(4), 353-367. doi.

Cruz, D. A., Weaver, C. L., Lovallo, E. M., Melchitzky, D. S., & Lewis, D. A. (2009). Selective alterations in postsynaptic markers of chandelier cell inputs to cortical pyramidal neurons in subjects with schizophrenia. *Neuropsychopharmacology*, 34(9), 2112-2124. doi.

Cruz-Ochoa, N. A., Ochoa-Amaya, J. E., Pulecio, S. L., Xavier, G. F., & Nogueira, M. I. (2019). Neonatal anoxia impairs long-term energy metabolism and somatic development of Wistar rats. *International Journal of Developmental Neuroscience*. doi: <https://doi.org/10.1016/j.ijdevneu.2019.11.001>. <http://www.sciencedirect.com/science/article/pii/S0736574819302114>

Cruz-Rizzolo, R. J., Limieri, L. L., de Paiva, I. R., Ribeiro, J. O. B., Pimenta, T. F., Pinato, L., . . . Liberti, E. A. (2017). Protein malnutrition during gestation and early life decreases neuronal size in the medial prefrontal cortex of post-pubertal rats. *IBRO Reports*, 3(Supplement C), 65-71. doi: <https://doi.org/10.1016/j.ibror.2017.08.002>. <http://www.sciencedirect.com/science/article/pii/S2451830117300213>

Cuesta, S., Restrepo-Lozano, J. M., Popescu, C., He, S., Reynolds, L. M., Israel, S., . . . Flores, C. (2019). DCC-related developmental effects of abused- versus therapeutic-like amphetamine doses in adolescence. *Addiction Biology*, 0(0), e12791. doi: 10.1111/adb.12791. <https://onlinelibrary.wiley.com/doi/abs/10.1111/adb.12791>

Cui, D., Wang, L., Jiang, W., Qi, A., Zhou, Q., & Zhang, X. (2013). Propofol prevents cerebral ischemia-triggered autophagy activation and cell death in the rat hippocampus through the NF- κ B/p53 signaling pathway. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.04.054>. <http://www.sciencedirect.com/science/article/pii/S0306452213003874>

Cui, L.-J., Chen, W.-H., Liu, A.-L., Han, X., Jiang, S.-X., Yuan, F., . . . Weng, S.-J. (2020). nGnG Amacrine Cells and Brn3b-negative M1 ipRGCs are Specifically Labeled in the ChAT-ChR2- EYFP Mouse. *Investigative Ophthalmology and Visual Science*, 61(2), 14-14. doi: 10.1167/iovs.61.2.14. <https://doi.org/10.1167/iovs.61.2.14>

Cui, X., Pertile, R., Liu, P., & Eyles, D. W. (2015). Vitamin D regulates tyrosine hydroxylase expression: N-cadherin a possible mediator. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.07.048>. <http://www.sciencedirect.com/science/article/pii/S0306452215006624>

Cui, X., Weng, Y.-Q., Frappé, I., Burgess, A., Girão da Cruz, M. T., Schachner, M., & Aubert, I. (2011). The cell adhesion molecule L1 regulates the expression of choline acetyltransferase and the development of septal cholinergic neurons. *Brain and Behavior*, no-no. doi: 10.1002/brb3.15. <http://dx.doi.org/10.1002/brb3.15>

Cullen, C. L., Burne, T. H. J., Lavidis, N. A., & Moritz, K. M. (2013). Low Dose Prenatal Ethanol Exposure Induces Anxiety-Like Behaviour and Alters Dendritic Morphology in the Basolateral Amygdala of Rat Offspring. *Plos one*, 8(1), e54924. doi: 10.1371/journal.pone.0054924. <http://dx.doi.org/10.1371%2Fjournal.pone.0054924>

Cullen, C. L., Burne, T. H. J., Lavidis, N. A., & Moritz, K. M. (2014). Low Dose Prenatal Alcohol Exposure Does Not Impair Spatial Learning and Memory in Two Tests in Adult and Aged Rats. *Plos one*, 9(6), e101482. doi: 10.1371/journal.pone.0101482. <http://dx.doi.org/10.1371%2Fjournal.pone.0101482>

Cullen-McEwen, L. A., Douglas-Denton, R. N., & Bertram, J. F. (2012). Estimating total nephron number in the adult kidney using the physical disector/fractionator combination. *Methods in Molecular Biology*, 886, 333. doi.

Cullity, E. R., Madsen, H. B., Perry, C. J., & Kim, J. H. (2018). Postnatal developmental trajectory of dopamine receptor 1 and 2 expression in cortical and striatal brain regions. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24574. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24574>

Cummings, D. M., Alaghband, Y., Hickey, M. A., Joshi, P. R., Hong, S. C., Zhu, C., . . . Levine, M. S. (2012). A critical window of CAG repeat-length correlates with phenotype severity in the R6/2 mouse model of Huntington's disease. *Journal of Neurophysiology*, 107(2), 677-691. doi: 10.1152/jn.00762.2011. <http://jn.physiology.org/content/107/2/677.abstract>

Cunha, F., Racicot, K., Nahirney, J., Heuston, C., Wylie, D. R., & Iwaniuk, A. N. (2020). Allometric Scaling Rules of the Cerebellum in Galliform Birds. *Brain, Behavior and Evolution*. doi: 10.1159/000509069. <https://www.karger.com/DOI/10.1159/000509069>

Curanović, D., Lyman, M. G., Bou-Abboud, C., Card, J. P., & Enquist, L. W. (2009). Repair of the UL21 locus in pseudorabies virus Bartha enhances the kinetics of retrograde, transneuronal infection in vitro and in vivo. *Journal of Virology*, 83(3), 1173-1183. doi.

Cushman, J. D., Maldonado, J., Kwon, E. E., Garcia, D. A., Fan, G., Imura, T., . . . Fanselow, M. S. (2012). Juvenile neurogenesis makes essential contributions to adult brain structure and plays a sex-dependent role in fear memories. [Original Research]. *Frontiers in Behavioral Neuroscience*, 6. doi: 10.3389/fnbeh.2012.00003. http://www.frontiersin.org/Journal/Abstract.aspx?s=99&name=behavioral_ne...

Cushman, T. T., Kim, N., Hoyt, R., & Traish, A. (2009). Estradiol Ameliorates Diabetes-Induced Changes in Vaginal Structure of db/db Mouse Model. *Journal of Sexual Medicine*, 6(9), 2467-2479. doi.

Custer, E. E., Ortiz-Miranda, S., Knott, T. K., Rawson, R., Elvey, C., Lee, R. H., & Lemos, J. R. (2007). Identification of the neuropeptide content of individual rat neurohypophysial terminals. *Journal of Neuroscience Methods*, 163(2), 226-234. doi.

Cutler, R. G., Haughey, N. J., Tammara, A., McArthur, J. C., Nath, A., Reid, R., . . . Mattson, M. P. (2004). Dysregulation of sphingolipid and sterol metabolism by ApoE4 in HIV dementia. *Neurology*, 63(4), 626-630. doi. <http://www.neurology.org/cgi/content/abstract/63/4/626>

Cvetanovic, M., Hu, Y.-S., & Opal, P. (2016). Mutant Ataxin-1 Inhibits Neural Progenitor Cell Proliferation in SCA1. [journal article]. *The Cerebellum*, 1-8. doi: 10.1007/s12311-016-0794-9. <http://dx.doi.org/10.1007/s12311-016-0794-9>

Cyr, M., Parent, M. J., Mechawar, N., Rosa-Neto, P., Soucy, J.-P., Aliaga, A., . . . Bedard, M.-A. (2013). PET imaging with [18 F]fluoroethoxybenzovesamicol ([18 F]FEOBV) following selective lesion of cholinergic pedunculopontine tegmental neurons in rat. *Nuclear*

Medicine and Biology, (0).

doi: <http://dx.doi.org/10.1016/j.nucmedbio.2013.10.004>. <http://www.sciencedirect.com/science/article/pii/S096980511300214X>

Cyr, M., Parent, M. J., Mechawar, N., Rosa-Neto, P., Soucy, J.-P., Clark, S. D., . . . Bedard, M.-A. (2014). Deficit in sustained attention following selective cholinergic lesion of the pedunculopontine tegmental nucleus in rat, as measured with both post-mortem immunocytochemistry and in vivo PET imaging with [18F]fluoroethoxybenzovesamicol. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2014.09.021>.

<http://www.sciencedirect.com/science/article/pii/S0166432814006123>

Czarnota, G. J., Karshafian, R., Burns, P. N., Wong, S., Al Mahrouki, A., Lee, J. W., . . . Giles, A. (2012). Tumor radiation response enhancement by acoustical stimulation of the vasculature. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1200053109.

<http://www.pnas.org/content/early/2012/06/29/1200053109.abstract>

Czéh, B., Ábrahám, H., Tahtakran, S., Houser, C. R., & Seress, L. (2013). Number and regional distribution of GAD65 mRNA-expressing interneurons in the rat hippocampal formation.

Acta Biologica Hungarica, 64(4), 395-413.

doi: <http://www.akademai.com/content/5n72830655238p75/>

Czeh, B., Abumaria, N., Rygula, R., & Fuchs, E. (2010). Quantitative changes in hippocampal microvasculature of chronically stressed rats: no effect of fluoxetine treatment. *Hippocampus*, 20(1), 174-185. doi.

Czéh, B., Müller-Keuker, J. H., Rygula, R., Abumaria, N., Hiemke, C., Domenici, E., & Fuchs, E. (2006). Chronic Social Stress Inhibits Cell Proliferation in the Adult Medial Prefrontal Cortex: Hemispheric Asymmetry and Reversal by Fluoxetine Treatment. *Neuropsychopharmacology*. doi.

Czeh, B., Simon, M., Hart, M. G. v. d., Schmelting, B., Hesselink, M. B., & Fuchs, E. (2004). Chronic Stress Decreases the Number of Parvalbumin-Immunoreactive Interneurons in the Hippocampus: Prevention by Treatment with a Substance P Receptor (NK1) Antagonist.

Neuropsychopharmacology, 30(1), 67-79. doi.

Czéh, B., Simon, M., Schmelting, B., Hiemke, C., & Fuchs, E. (2006). Astroglial Plasticity in the Hippocampus is Affected by Chronic Psychosocial Stress and Concomitant Fluoxetine Treatment. *Neuropsychopharmacology*, 31(8), 1616-1626. doi.

D'Angelo, B., Ek, C. J., Sun, Y., Zhu, C., Sandberg, M., & Mallard, C. (2016). GSK3 β inhibition protects the immature brain from hypoxic-ischaemic insult via reduced STAT3 signalling. *Neuropharmacology*, 101. doi:

10.1016/j.neuropharm.2015.09.017. <http://dx.doi.org/10.1016/j.neuropharm.2015.09.017>

d'Errico, P., Boido, M., Piras, A., Valsecchi, V., De Amicis, E., Locatelli, D., . . . Battaglia, G. (2013). Selective Vulnerability of Spinal and Cortical Motor Neuron Subpopulations in delta7 SMA

Mice. Plos one, 8(12), e82654. doi:

10.1371/journal.pone.0082654. <http://dx.doi.org/10.1371%2Fjournal.pone.0082654>

d'Orange, M., Aurégan, G., Cheramy, D., Gaudin-Guérif, M., Lieger, S., Guillermier, M., . . . Cambon, K. (2017). Potentiating tangle formation reduces acute toxicity of soluble tau species in the rat. *Brain*, awx342-awx342. doi:

10.1093/brain/awx342. <http://dx.doi.org/10.1093/brain/awx342>

da Silva, J. A., Tecuapetla, F., Paixão, V., & Costa, R. M. (2018). Dopamine neuron activity before action initiation gates and invigorates future movements. *Nature*, 554, 244. doi: 10.1038/nature25457

<https://www.nature.com/articles/nature25457#supplementary-information>. <http://dx.doi.org/10.1038/nature25457>

da Silveira, L. C., do Nascimento, L. F. R., Colquhoun, A., Abe, A. S., & de Souza, S. C. R. (2013). Cardiac hypertrophy and structural and metabolic remodeling related to seasonal dormancy in the first annual cycle in tegu lizards. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, (o). doi: <http://dx.doi.org/10.1016/j.cbpa.2013.04.006>.

<http://www.sciencedirect.com/science/article/pii/S1095643313001013>

Daadi, M. M., Lee, S. H., Arac, A., Grueter, B. A., Bhatnagar, R., Maag, A. L., . . . Steinberg, G. K. (2009). Functional engraftment of the medial ganglionic eminence cells in experimental stroke model. *Cell Transplantation*, 18(7), 815-826. doi.

Daadi, M. M., Li, Z., Arac, A., Grueter, B. A., Sofilos, M., Malenka, R. C., . . . Steinberg, G. K. (2009). Molecular and Magnetic Resonance Imaging of Human Embryonic Stem Cell-Derived Neural Stem Cell Grafts in Ischemic Rat Brain. *Molecular Therapy*, 17(7), 1282-1291. doi.

Daadi, M. M., Maag, A. L., & Steinberg, G. K. (2008). Adherent self-renewable human embryonic stem cell-derived neural stem cell line: functional engraftment in experimental stroke model. *PLoS ONE*, 3(2), e1644-e1644. doi.

Daadi, M. M., Pivrotto, P., Bringas, J., Cunningham, J., Forsayeth, J., Eberling, J., & Bankiewicz, K. S. (2006). Distribution of AAV2-hAADC-transduced cells after 3 years in Parkinsonian monkeys. . *Neuroreport*, 17(2), 201-204. doi.

Dab, C. (2004). Tissue Preparation and Histology for Determining Innervation Density and Terminal Arbor Size in Rats and Mice. *Current Protocols in Neuroscience*, 1, 1. doi.

D'Agostino, G., Kim, J. D., Liu, Z.-W., Jeong, J. K., Suyama, S., Calignano, A., . . . Diano, S. (2012). Prolyl Endopeptidase-Deficient Mice Have Reduced Synaptic Spine Density in the CA1 Region of the Hippocampus, Impaired LTP, and Spatial Learning and Memory. *Cerebral Cortex*. doi:

10.1093/cercor/bhs199. <http://cercor.oxfordjournals.org/content/early/2012/07/05/cercor.bhs199...>

Daher, J. P. L., Pletnikova, O., Biskup, S., Musso, A., Gellhaar, S., Galter, D., . . . others. (2012). Neurodegenerative phenotypes in an A53T α -synuclein transgenic mouse model are independent of LRRK2. *Human Molecular Genetics*. doi.

Daher, J. P. L., Ying, M., Banerjee, R., McDonald, R. S., Hahn, M. D., Yang, L., . . . others. (2009). Conditional transgenic mice expressing C-terminally truncated human α -synuclein (α Syn119) exhibit reduced striatal dopamine without loss of nigrostriatal pathway dopaminergic neurons. *Molecular Neurodegeneration*, 4(1), 34-34. doi.

Dai, Y., Clark, J., Zheng, K., Kujoth, G. C., Prolla, T. A., & Simon, D. K. (2014). Somatic mitochondrial DNA mutations do not increase neuronal vulnerability to MPTP in young POLG mutator mice. *Neurotoxicology and Teratology*, (0). doi: <http://dx.doi.org/10.1016/j.ntt.2014.10.004>.
<http://www.sciencedirect.com/science/article/pii/S0892036214001767>

Dai, Y., Kiselak, T., Clark, J., Clore, E., Zheng, K., Cheng, A., . . . Simon, D. K. (2013). Behavioral and metabolic characterization of heterozygous and homozygous POLG mutator mice. *Mitochondrion*, (0). doi: <http://dx.doi.org/10.1016/j.mito.2013.03.006>.
<http://www.sciencedirect.com/science/article/pii/S1567724913000597>

Dakhova, O., O'Day, D., Kinet, N., Yucer, N., Wiese, M., Shetty, G., & Ducy, P. (2008). Dkk1 regulates post-pubertal spermatocyte apoptosis and testosterone production. *Endocrinology*, 150, 404 - 412. . doi: 10.1210/en.2008-0673. <http://endo.endojournals.org/cgi/content/abstract/en.2008-0673v1>

Dakhova, O., O'Day, D., Kinet, N., Yucer, N., Wiese, M., Shetty, G., & Ducy, P. (2009). Dickkopf- like1 regulates postpubertal spermatocyte apoptosis and testosterone production. *Endocrinology*, 150(1), 404-404. doi.

dal Maschio, M., Ghezzi, D., Bony, G., Alabastri, A., Deidda, G., Brondi, M., . . . Cancedda, L. (2012). High-performance and site-directed in utero electroporation by a triple-electrode probe. [10.1038/ncomms1961]. *Nature Communications*, 3, 960. doi: http://www.nature.com/ncomms/journal/v3/n7/supinfo/ncomms1961_S1.html. <http://dx.doi.org/10.1038/ncomms1961>

Dallimore, E. J., Park, K. K., Pollett, M. A., Taylor, J. S. H., & Harvey, A. R. (2010). The life, death and regenerative ability of immature and mature rat retinal ganglion cells are influenced by their birthdate. *Experimental Neurology*, 225(2), 353-365. doi.

Dandanell, S., Meinild-Lundby, A.-K., Andersen, A. B., Lang, P. F., Oberholzer, L., Keiser, S., . . . Lundby, C. (2018). Determinants of maximal whole body fat oxidation in elite cross-country skiers: role of skeletal muscle mitochondria. *Scandinavian Journal of Medicine and Science in Sports*, 0(ja). doi: doi:10.1111/sms.13298. <https://onlinelibrary.wiley.com/doi/abs/10.1111/sms.13298>

Dang, M. T., Yokoi, F., McNaught, K. S. P., Jengelley, T. A., Jackson, T., Li, J., & Li, Y. (2005). Generation and characterization of Dyt1 [Delta] GAG knock-in mouse as a model for early-onset dystonia. *Experimental Neurology*, 196(2), 452-463. doi.

Daniel, G., Musso, A., Tsika, E., Fiser, A., Glauser, L., Pletnikova, O., . . . Moore, D. J. (2015). α -Synuclein-induced dopaminergic neurodegeneration in a rat model of Parkinson's disease occurs independent of ATP13A2 (PARK9). *Neurobiology of Disease*, 73(0), 229-243.

doi: <http://dx.doi.org/10.1016/j.nbd.2014.10.007>.

<http://www.sciencedirect.com/science/article/pii/S0969996114003003>

Darkazalli, A., Ismail, A. A. O., Abad, N., Grant, S. C., & Levenson, C. W. (2016). Use of human mesenchymal stem cell treatment to prevent anhedonia in a rat model of traumatic brain injury. *Restorative Neurology and Neuroscience*, (Preprint), 1-9.

doi: <http://content.iospress.com/articles/restorative-neurology-and-neuroscie..>

Darland, D. C., Cain, J. T., Berosik, M. A., Saint-Geniez, M., Odens, P. W., Schaubhut, G. J., . . . D'Amore, P. A. (2011). Vascular endothelial growth factor (VEGF) isoform regulation of early forebrain development. *Developmental Biology*. doi.

Darling, W. G., Ge, J., Stilwell-Morecraft, K. S., Rotella, D. L., Pizzimenti, M. A., & Morecraft, R. J. (2018). Hand Motor Recovery following Extensive Frontoparietal Cortical Injury is accompanied by Upregulated Corticoreticular Projections in the Monkey. [10.1523/JNEUROSCI.0403-18.2018]. *The Journal of Neuroscience*.

doi: <http://www.jneurosci.org/content/early/2018/06/13/JNEUROSCI.0403-18.2018...>

Darling, W. G., Pizzimenti, M. A., Rotella, D. L., Peterson, C. R., Hynes, S. M., Ge, J., . . . Morecraft, R. J. (2009). Volumetric effects of motor cortex injury on recovery of dexterous movements. *Experimental Neurology*, 220(1), 90-108. doi.

Darlot, F., Moro, C., El Massri, N., Chabrol, C., Johnstone, D. M., Reinhart, F., . . . Benabid, A.-L. (2015). Near-infrared light is neuroprotective in a monkey model of Parkinson's disease.

Annals of Neurology, n/a-n/a. doi: 10.1002/ana.24542. <http://dx.doi.org/10.1002/ana.24542>

Das, M. M., Godoy, M., Chen, S., Moser, V. A., Avalos, P., Roxas, K. M., . . . Goodridge, H. S. (2019). Young bone marrow transplantation preserves learning and memory in old mice. *Communications Biology*, 2(1), 73. doi: 10.1038/s42003-019-0298-

5. <https://doi.org/10.1038/s42003-019-0298-5>

Das, M. M., & Svendsen, C. N. (2014). Astrocytes show reduced support of motor neurons with aging that is accelerated in a rodent model of ALS. *Neurobiology of Aging*, (0).

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2014.09.020>. <http://www.sciencedirect.com/science/article/pii/S0197458014006253>

Das, S., Nalini, A., Laxmi, T. R., & Raju, T. R. (2020). ALS-CSF-induced structural changes in spinal motor neurons of rat pups cause deficits in motor behaviour. *Experimental Brain Research*. doi: 10.1007/s00221-020-05969-7. <https://doi.org/10.1007/s00221-020-05969-7>

Das, S. K., Aparna, S., & Patri, M. (2019). Chronic waterborne exposure to benzo[a]pyrene induces locomotor dysfunction and development of neurodegenerative phenotypes in zebrafish. *Neuroscience Letters*, 134646.

doi: <https://doi.org/10.1016/j.neulet.2019.134646>.

<http://www.sciencedirect.com/science/article/pii/S0304394019307499>

Das, S. K., Baitharu, I., Barhwal, K., Hota, S. K., & Singh, S. B. (2016). Early mood behavioral changes following exposure to monotonous environment during isolation stress is associated with altered hippocampal synaptic plasticity in male rats. *Neuroscience Letters*, 612, 231-237.

doi: <http://dx.doi.org/10.1016/j.neulet.2015.12.038>.

<http://www.sciencedirect.com/science/article/pii/S0304394015303335>

Dash, P. K., Johnson, D., Clark, J., Orsi, S. A., Zhang, M., Zhao, J., . . . Pati, S. (2011). Involvement of the glycogen synthase kinase-3 signaling pathway in TBI pathology and neurocognitive outcome. *PLoS ONE*, 6(9), e24648-e24648. doi.

Dash, P. K., Mach, S. A., & Moore, A. N. (2001). Enhanced neurogenesis in the rodent hippocampus following traumatic brain injury. *Journal of Neuroscience Research*, 63(4), 313-319. doi.

Dash, P. K., Zhao, J., Kobori, N., Redell, J. B., Hylin, M. J., Hood, K. N., & Moore, A. N. (2016). Activation of Alpha 7 Cholinergic Nicotinic Receptors Reduce Blood-Brain Barrier Permeability following Experimental Traumatic Brain Injury. *The Journal of Neuroscience*, 36(9), 2809-2818. doi. <http://www.jneurosci.org/content/36/9/2809.short>

Dass, B., Kladis, T., Chu, Y., & Kordower, J. H. (2006). RET expression does not change with age in the substantia nigra pars compacta of rhesus monkeys. *Neurobiology of Aging*, 27(6), 857-861. doi.

Datto, J., Bastidas, J., Miller, N., Shah, A. K., Marcillo, A., Dietrich, W. D., & Pearse, D. D. (2015). Female rats demonstrate improved locomotor recovery and greater preservation of white and grey matter following traumatic spinal cord injury compared to males. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3702. <http://dx.doi.org/10.1089/neu.2014.3702>

Daubaras, M., Dal Bo, G., & Flores, C. (2013). Target-dependent expression of the netrin-1 receptor, UNC5C, in projection neurons of the ventral tegmental area. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.12.007>. <http://www.sciencedirect.com/science/article/pii/S0306452213010166>

Dautan, D., Huerta-Ocampo, I., Witten, I. B., Deisseroth, K., Bolam, J. P., Gerdjikov, T., & Mena-Segovia, J. (2014). A Major External Source of Cholinergic Innervation of the Striatum and Nucleus Accumbens Originates in the Brainstem. *The Journal of Neuroscience*, 34(13), 4509- 4518. doi. <http://www.jneurosci.org/content/34/13/4509.short>

Dautan, D., Souza, A. S., Huerta-Ocampo, I., Valencia, M., Assous, M., Witten, I. B., . . . Mena-Segovia, J. (2016). Segregated cholinergic transmission modulates dopamine neurons integrated in distinct functional circuits. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4335

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4335.html#suppl>

.....[http://](http://dx.doi.org/10.1038/nn.4335)

[d](http://dx.doi.org/10.1038/nn.4335)

[x.doi.org/10.1038/nn.4335](http://dx.doi.org/10.1038/nn.4335)

Dave, N., Vural, A. S., Piras, I. S., Winslow, W., Surendra, L., Winstone, J. K.,..... Velazquez, R. (2021). Identification of retinoblastoma binding protein 7 (Rbbp7) as a mediator against tau

acetylation and subsequent neuronal loss in Alzheimer's disease and related tauopathies. *Acta Neuropathologica*. doi: 10.1007/s00401-021-02323-1.
<https://doi.org/10.1007/s00401-021-02323-1>

Davenport, P., & Tipping, P. G. (2003). The role of interleukin-4 and interleukin-12 in the progression of atherosclerosis in apolipoprotein E-deficient mice. *American Journal of Pathology*, 163(3), 1117-1117. doi.

David, B. T., Ratnayake, A., Amarante, M. A., Reddy, N. P., Dong, W., Sampath, S., . . . Elkabes, S. (2013). A toll-like receptor 9 antagonist reduces pain hypersensitivity and the inflammatory response in spinal cord injury. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2012.12.012>.
<http://www.sciencedirect.com/science/article/pii/S096999611300003X>

Davidson, J. O., Drury, P. P., Green, C. R., Nicholson, L. F., Bennet, L., & Gunn, A. J. (2014). Connexin Hemichannel Blockade Is Neuroprotective after Asphyxia in Preterm Fetal Sheep. *Plos one*, 9(5), e96558. doi: 10.1371/journal.pone.0096558. <http://dx.doi.org/10.1371%2Fjournal.pone.0096558>

Davidson, J. O., Green, C. R., B Nicholson, L. F., O'Carroll, S. J., Fraser, M., Bennet, L., & Jan Gunn, A. (2012). Connexin hemichannel blockade improves outcomes in a model of fetal ischemia. *Annals of Neurology*, 71(1), 121-132. doi.

Davies, S. E., Hallett, P. J., Moens, T., Smith, G., Mangano, E., Kim, H. T., . . . Tofaris, G. K. (2014). Enhanced ubiquitin-dependent degradation by Nedd4 protects against α -synuclein accumulation and toxicity in animal models of Parkinson's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.12.011>.
<http://www.sciencedirect.com/science/article/pii/S0969996113003550>

Davimes, J. G., Alagaili, A. N., Bennett, N. C., Mohammed, O. B., Bhagwandin, A., Manger, P. R., & Gravett, N. (2017). Neurochemical organization and morphology of the sleep related nuclei in the brain of the Arabian oryx, *Oryx leucoryx*. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2017.02.002>.
<http://www.sciencedirect.com/science/article/pii/S089106181630268X>

Davis, J. L.-B. (2018). The role of redox dysregulation in the effects of prenatal stress on the embryonic and adult mouse brain. doi: <https://search.proquest.com/openview/085c3ee4a6da5c525e79c76f8f039644/1?..>

Dawes, W. J., Zhang, X., Fancy, S. P., Rowitch, D., & Marino, S. (2017). Moderate-Grade Germinal Matrix Haemorrhage Activates Cell Division in the Neonatal Mouse Subventricular Zone. *Developmental Neuroscience*. doi. <http://www.karger.com/Article/Abstract/455839>

Dawson, H. N., Cantillana, V., Chen, L., & Vitek, M. P. (2007). The Tau N279K Exon 10 Splicing Mutation Recapitulates Frontotemporal Dementia and Parkinsonism Linked to Chromosome 17 Tauopathy in a Mouse Model. *Journal of Neuroscience*, 27(34), 9155-9168. doi: 10.1523/jneurosci.5492-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/34/9155>

Dawson, H. N., Cantillana, V., Jansen, M., Wang, H., Vitek, M. P., Wilcock, D. M., . . . Laskowitz, D. T. (2010). Loss of tau elicits axonal degeneration in a mouse model of Alzheimer's disease. *Neuroscience*, 169(1), 516-531. doi.

Day, N. L., Carle, M. S., & Floyd, C. L. (2017). Post-injury administration of a combination of memantine and 17 β -estradiol is protective in a rat model of traumatic brain injury. *Neurochemistry International*.
doi: <https://doi.org/10.1016/j.neuint.2017.04.018>.
<http://www.sciencedirect.com/science/article/pii/S0197018617302450>

Day, N. L., Floyd, C. L., D'Alessandro, T. L., Hubbard, W. J., & Chaudry, I. H. (2013). 17 β -estradiol confers protection following traumatic brain injury in the rat and involves activation of G Protein-coupled estrogen receptor 1 (GPER). *Journal of Neurotrauma*, (ja). doi.

Dayisoylu, E. H., Şenel, F. Ç., Üngör, C., Tosun, E., Çankaya, M., Ersöz, S., & Taskesen, F. (2013). The effects of adjunctive parathyroid hormone injection on bisphosphonate-related osteonecrosis of the jaws: an animal study. *International Journal of Oral and Maxillofacial Surgery*, (o).
doi: <http://dx.doi.org/10.1016/j.ijom.2013.05.001>.
<http://www.sciencedirect.com/science/article/pii/S0901502713002063>

Dayisoylu, E. H., Üngör, C., Tosun, E., Ersöz, S., Duman, M. K., Taskesen, F., & Şenel, F. Ç. (2013). Does an alkaline environment prevent the development of bisphosphonate related osteonecrosis of the jaw? an experimental study in rats. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, (o).
doi: <http://dx.doi.org/10.1016/j.oooo.2013.11.490>.
<http://www.sciencedirect.com/science/article/pii/S2212440313016520>

Dayton, R. D., Wang, D. B., Cain, C. D., Schrott, L. M., Ramirez, J. J., King, M. A., & Klein, R. L. (2011). Frontotemporal lobar degeneration related proteins induce only subtle memory- related deficits when bilaterally overexpressed in the dorsal hippocampus. *Experimental Neurology*. doi.

Day-Wilson, K. M., Jones, D. N. C., Southam, E., Cilia, J., & Totterdell, S. (2006). Medial prefrontal cortex volume loss in rats with isolation rearing-induced deficits in prepulse inhibition of acoustic startle. *Neuroscience*, 141(3), 1113-1121. doi.

de Almeida, M. N. F., Mendes, F. C. C. S., Felicio, A. P. G., Falsoni, M., de Andrade, M. L. F., Neto, J. B. T., . . . Sosthenes, M. C. K. (2012). Spatial memory decline after masticatory deprivation and aging is associated with altered laminar distribution of CA1 astrocytes. *BMC Neuroscience*, 13(1), 23-23. doi.

de Ávila, C., Chometton, S., Calvez, J., Guèvremont, G., Kania, A., Torz, L., . . . Cifani, C. (2020). Estrous Cycle Modulation of Feeding and Relaxin-3/Rxrp3 mRNA Expression - Implications for Estradiol. *Neuroendocrinology*. doi:
10.1159/000513830. <https://www.karger.com/DOI/10.1159/000513830>

de Ávila, C., Chometton, S., Lenglos, C., Calvez, J., Gundlach, A. L., & Timofeeva, E. (2017). Differential effects of relaxin-3 and a selective relaxin-3 receptor agonist on food and water

intake and hypothalamic neuronal activity in rats. Behavioural Brain Research. doi: <http://dx.doi.org/10.1016/j.bbr.2017.08.044>.
<http://www.sciencedirect.com/science/article/pii/S016643281730952X>

De Butte, M., Fortin, T., & Pappas, B. A. (2002). Pinealectomy: behavioral and neuropathological consequences in a chronic cerebral hypoperfusion model. *Neurobiology of Aging*, 23(2), 309-317. doi.

De Butte, M., & Pappas, B. A. (2007). Pinealectomy causes hippocampal CA1 and CA3 cell loss: reversal by melatonin supplementation. *Neurobiology of Aging*, 28(2), 306-313. doi.

de Chevigny, A., Cooper, O., Vinuela, A., Reske-Nielsen, C., Lagace, D. C., Eisch, A. J., & Isacson, O. (2008). Fate Mapping and Lineage Analyses Demonstrate the Production of a Large Number of Striatal Neuroblasts After Transforming Growth Factor α and Noggin Striatal Infusions into the Dopamine-Depleted Striatum. *Stem Cells*, 26(9), 2349-2360. doi: 10.1634/stemcells.2008-0080. <http://stemcells.alphamedpress.org/cgi/content/abstract/26/9/2349>

de Guglielmo, G., Crawford, E., Kim, S., Vendruscolo, L. F., Hope, B. T., Brennan, M., . . . George, O. (2016). Recruitment of a Neuronal Ensemble in the Central Nucleus of the Amygdala Is Required for Alcohol Dependence. *The Journal of Neuroscience*, 36(36), 9446- 9453. doi. <http://www.jneurosci.org/content/36/36/9446.short>

de Guglielmo, G., Kallupi, M., Pomrenze, M. B., Crawford, E., Simpson, S., Schweitzer, P., . . . George, O. (2019). Inactivation of a CRF-dependent amygdalofugal pathway reverses addiction-like behaviors in alcohol-dependent rats. *Nature Communications*, 10(1), 1238. doi: 10.1038/s41467-019-09183-0. <https://doi.org/10.1038/s41467-019-09183-0>

de Lanerolle, N. C., Bandak, F., Kang, D., Li, A. Y., Du, F., Swauger, P., . . . Kim, J. H. (2011). Characteristics of an Explosive Blast-Induced Brain Injury in an Experimental Model. *Journal of Neuropathology and Experimental Neurology*, 70(11), 1046-1046. doi.

de Leão, E. R. L. P., de Souza, D. N. C., de Moura, L. V. B., da Silveira Júnior, A. M., dos Santos, A. L. G., Diniz, D. G., . . . Sosthenes, M. C. K. (2021). Lateral septum microglial changes and behavioral abnormalities of mice exposed to valproic acid during the prenatal period. *Journal of Chemical Neuroanatomy*, 111, 101875. doi: <https://doi.org/10.1016/j.jchemneu.2020.101875>.
<http://www.sciencedirect.com/science/article/pii/S0891061820301447>

De Lella Ezcurra, A. L., Chertoff, M., Ferrari, C., Graciarena, M., & Pitossi, F. (2010). Chronic expression of low levels of tumor necrosis factor- α in the substantia nigra elicits progressive neurodegeneration, delayed motor symptoms and microglia/macrophage activation. *Neurobiology of Disease*, 37(3), 630-640. doi.

De Lorme, K. C., Schulz, K. M., Salas-Ramirez, K. Y., & Sisk, C. L. (2012). Pubertal testosterone organizes regional volume and neuronal number within the medial amygdala of adult male Syrian hamsters. *Brain Research*. doi.

de Nijs, L., Choe, K., Steinbusch, H., Schijns, O. E. M. G., Dings, J., van den Hove, D. L. A., . . . Hoogland, G. (2019). DNA methyltransferase isoforms expression in the temporal lobe of epilepsy patients with a history of febrile seizures. *Clinical Epigenetics*, 11(1), 118. doi: 10.1186/s13148-019-0721-2. <https://doi.org/10.1186/s13148-019-0721-2>

de Oliveira, T. C. G., Carvalho-Paulo, D., de Lima, C. M., de Oliveira, R. B., Santos Filho, C., Diniz, D. G., . . . Picanço-Diniz, C. W. (2020). Long-term environmental enrichment reduces microglia morphological diversity of the molecular layer of dentate gyrus. *European Journal of Neuroscience*, n/a(n/a). doi: 10.1111/ejn.14920. <https://onlinelibrary.wiley.com/doi/abs/10.1111/ejn.14920>

de Rivero Vaccari, J. P., Marcillo, A., Nonner, D., Dietrich, W. D., & Keane, R. W. (2009). Neuroprotective effects of bone morphogenetic protein 7 (BMP7) treatment after spinal cord injury. *Neuroscience Letters*, 465(3), 226-229. doi.

Dean, J. M., Farrag, D., Zahkhouk, S. A. M., El Zawahry, E. Y. I., Hagberg, H., Kjellmer, I., & Mallard, C. (2009). Cerebellar white matter injury following systemic endotoxemia in preterm fetal sheep. *Neuroscience*, 160(3), 606-615. doi.

Dean, J. M., George, S., Naylor, A. S., Mallard, C., Gunn, A. J., & Bennet, L. (2008). Partial neuroprotection with low-dose infusion of the α_2 -adrenergic receptor agonist clonidine after severe hypoxia in preterm fetal sheep. *Neuropharmacology*, 55(2), 166-174. doi.

Dean, J. M., McClendon, E., Hansen, K., Azimi-Zonooz, A., Chen, K., Riddle, A., . . . Back, S. A. (2013). Prenatal Cerebral Ischemia Disrupts MRI-Defined Cortical Microstructure Through Disturbances in Neuronal Arborization. *Science translational medicine*, 5(168), 168ra167. doi: 10.1126/scitranslmed.3004669. <http://stm.sciencemag.org/content/5/168/168ra7.abstract>

Dean, J. M., Riddle, A., Maire, J., Hansen, K. D., Preston, M., Barnes, A. P., . . . Back, S. A. (2011). An organotypic slice culture model of chronic white matter injury with maturation arrest of oligodendrocyte progenitors. *Molecular Neurodegeneration*, 6, 46-46. doi.

Dean, J. M., van de Looij, Y., Sizonenko, S. V., Lodygensky, G. A., Lazeyras, F., Bolouri, H., . . . Mallard, C. (2011). Delayed cortical impairment following lipopolysaccharide exposure in preterm fetal sheep. *Annals of Neurology*. doi.

Debels, H., Gerrand, Y.-w., Poon, C. J., Abberton, K. M., Morrison, W. A., & Mitchell, G. M. (2015). An adipogenic gel for surgical reconstruction of the subcutaneous fat layer in a rat model. *Journal of Tissue Engineering and Regenerative Medicine*, n/a-n/a. doi: 10.1002/term.2025. <http://dx.doi.org/10.1002/term.2025>

DeCarolis, N. A., Mechanic, M., Petrik, D., Carlton, A., Ables, J. L., Malhotra, S., . . . Eisch, A. J. (2013). In vivo contribution of nestin- and GLAST-lineage cells to adult hippocampal neurogenesis. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22130. <http://dx.doi.org/10.1002/hipo.22130>

Decressac, M., Mattsson, B., Weikop, P., Lundblad, M., Jakobsson, J., & Björklund, A. (2013). TFEF-mediated autophagy rescues midbrain dopamine neurons from α -synuclein toxicity.

Proceedings of the National Academy of Sciences. doi:

10.1073/pnas.1305623110.

<http://www.pnas.org/content/early/2013/04/18/1305623110.abstr>

Dedeoglu, A., Kubilus, J. K., Jeitner, T. M., Matson, S. A., Bogdanov, M., Kowall, N. W., . . . Ferrante, R. J. (2002). Therapeutic Effects of Cystamine in a Murine Model of Huntington's Disease. *Journal of Neuroscience*, 22(20), 8942-8950.

doi: <http://www.jneurosci.org/cgi/content/abstract/22/20/8942>

Dedeoglu, A., Kubilus, J. K., Yang, L., Ferrante, K. L., Hersch, S. M., Beal, M. F., & Ferrante, R. J. (2003). Creatine therapy provides neuroprotection after onset of clinical symptoms in Huntington's disease transgenic mice. *Journal of Neurochemistry*, 85(6), 1359-1367.

doi: <http://www.jneurochem.org/cgi/content/abstract/85/6/1359>

Dedeurwaerdere, S., Fang, K., Chow, M., Shen, Y., Noordman, I., van Raay, L., . . . O'Brien, T. J. (2012). Manganese-enhanced MRI reflects seizure outcome in a model for mesial temporal lobe epilepsy. *Neuroimage*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroimage.2012.11.054>.

<http://www.sciencedirect.com/science/article/pii/S1053811912011664>

Deep, S. N., Baitharu, I., Sharma, A., Gurjar, A. K. S., Prasad, D., & Singh, S. B. (2016). Neuroprotective Role of L-N^G-Nitroarginine Methyl Ester (L-NAME) against Chronic Hypobaric Hypoxia with Crowding Stress (CHC) Induced Depression-Like Behaviour. *Plos one*, 11(4), e0153371. doi:

10.1371/journal.pone.0153371. <http://dx.doi.org/10.1371%2Fjournal.pone.0153371>

DeGiosio, R., Kelly, R. M., DeDionisio, A. M., Newman, J. T., Fish, K. N., Sampson, A. R., . . . Sweet, R. A. (2019). MAP2 immunoreactivity deficit is conserved across the cerebral cortex within individuals with schizophrenia. *npj Schizophrenia*, 5(1), 13. doi:

10.1038/s41537-019-0081-0. <https://doi.org/10.1038/s41537-019-0081-0>

Dehay, B., Bove, J., Rodriguez-Muela, N., Perier, C., Recasens, A., Boya, P., & Vila, M. (2010). Pathogenic Lysosomal Depletion in Parkinson's Disease. *Journal of Neuroscience*, 30(37), 12535-12544. doi: 10.1523/jneurosci.1920-

10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/37/12535>

Dehmer, T., Heneka, M. T., Sastre, M., Dichgans, J., & Schulz, J. B. (2004). Protection by pioglitazone in the MPTP model of Parkinson's disease correlates with IκBα induction and block of NFκB and iNOS activation. *Journal of Neurochemistry*, 88(2), 494-501. doi:

Deichler, A., Carrasco, D., Lopez-Jury, L., Vega-Zuniga, T., Márquez, N., Mpodozis, J., & Marín, G. J. (2020). A specialized reciprocal connectivity suggests a link between the mechanisms by which the superior colliculus and parabrachial nucleus produce defensive behaviors in rodents. *Scientific Reports*, 10(1), 16220. doi: 10.1038/s41598-020-72848-

0. <https://doi.org/10.1038/s41598-020-72848-0>

Deidda, G., Allegra, M., Cerri, C., Naskar, S., Bony, G., Zunino, G., . . . Cancedda, L. (2014). Early depolarizing GABA controls critical-period plasticity in the rat visual cortex. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.3890

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.3890.html#suppl>
.....<http://dx.doi.org/10.1038/nn.3890>

del Cid-Pellitero, E., & Jones, B. E. (2012). Immunohistochemical evidence for synaptic release of GABA from melanin-concentrating hormone containing varicosities in the locus coeruleus. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.07.072.
<http://www.sciencedirect.com/science/article/pii/S0306452212008251>

del Cid-Pellitero, E., Plavski, A., Mainville, L., & Jones, B. E. (2017). Homeostatic Changes in GABA and Glutamate Receptors on Excitatory Cortical Neurons during Sleep Deprivation and Recovery. [Original Research]. *Frontiers in Systems Neuroscience*, 11(17). doi: 10.3389/fnsys.2017.00017.
<http://journal.frontiersin.org/article/10.3389/fnsys.2017.00017>

del Valle, K., Theus, M. H., Bethea, J. R., Liebl, D. J., & Ricard, J. (2011). Neural progenitors proliferation is inhibited by EphB3 in the developing subventricular zone. *International Journal of Developmental Neuroscience*, 29(1), 9-14. doi.

Dela Cruz, J. A. D., Coke, T., & Bodnar, R. J. (2016). Simultaneous Detection of c-Fos Activation from Mesolimbic and Mesocortical Dopamine Reward Sites Following Naive Sugar and Fat Ingestion in Rats. (114). e53897. doi: doi:10.3791/53897.
<http://www.jove.com/video/53897>

Dela Cruz, J. A. D., Coke, T., Karagiorgis, T., Sampson, C., Icaza-Cukali, D., Kest, K., Bodnar, R. J. (2015). c-Fos induction in mesotelencephalic dopamine pathway projection targets and dorsal striatum following oral intake of sugars and fats in rats. *Brain Research Bulletin*, 111(0), 9-19. doi: <http://dx.doi.org/10.1016/j.brainresbull.2014.11.002>.
<http://www.sciencedirect.com/science/article/pii/S0361923014001853>

Dela Cruz, J. A. D., Schmidt-Kastner, R., Stevens, J. A. A., Steinbusch, H. W. M., & Rutten, B. P. F. (2014). Differential distribution of hypoxia-inducible factor 1-beta (ARNT or ARNT2) in mouse substantia nigra and ventral tegmental area. *Journal of Chemical Neuroanatomy*, (0). doi: <http://dx.doi.org/10.1016/j.jchemneu.2014.07.001>.
<http://www.sciencedirect.com/science/article/pii/S0891061814000507>

Delbary-Gossart, S., Lee, S., Baroni, M., Lamarche, I., Arnone, M., Canolle, B.,..... Beattie, M. S. (2016). A novel inhibitor of p75-neurotrophin receptor improves functional outcomes in two models of traumatic brain injury. [10.1093/brain/aww074]. *Brain*. doi: <http://brain.oxfordjournals.org/content/early/2016/04/15/brain.aww074.ab..>

Delcour, M., Russier, M., Castets, F., Turle-Lorenzo, N., Canu, M.-H., Cayetanot, F.,..... Coq, J.-O. (2018). Early movement restriction leads to maladaptive plasticity in the sensorimotor cortex and to movement disorders. *Scientific Reports*, 8(1), 16328. doi: 10.1038/s41598-018-34312-y. <https://doi.org/10.1038/s41598-018-34312-y>

Deleidi, M., Cooper, O., Hargus, G., Levy, A., & Isacson, O. (2011). Oct4-induced reprogramming is required for adult brain neural stem cell differentiation into midbrain dopaminergic neurons. *PLoS ONE*, 6(5), e19926-e19926. doi.

Deleidi, M., Hallett, P. J., Koprach, J. B., Chung, C.-Y., & Isacson, O. (2010). The Toll-Like Receptor-3 Agonist Polyinosinic:Polycytidylic Acid Triggers Nigrostriatal Dopaminergic Degeneration. *Journal of Neuroscience*, 30(48), 16091-16101. doi: 10.1523/jneurosci.2400-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/48/16091>

Deleidi, M., Hargus, G., Hallett, P., Osborn, T., & Isacson, O. (2011). Development of Histocompatible Primate-Induced Pluripotent Stem Cells for Neural Transplantation. *Stem Cells*, 29(7), 1052-1063. doi: 10.1002/stem.662. <http://dx.doi.org/10.1002/stem.662>

Dell, x, Anno, M. T., Caiazzo, M., Leo, D., Dvoretzkova, E., . . . Broccoli, V. (2014). Remote control of induced dopaminergic neurons in parkinsonian rats. *The Journal of Clinical Investigation*, 124(7), 0-0. doi: 10.1172/jci74664. <http://www.jci.org/articles/view/74664>

Dell, L. A., Patzke, N., Bhagwandin, A., Bux, F., Fuxe, K., Barber, G., . . . Manger, P. R. (2012). Organization and number of orexinergic neurons in the hypothalamus of two species of Cetartiodactyla: a comparison of giraffe (< i> Giraffa camelopardalis) and harbour porpoise (< i> Phocoena phocoena). *Journal of Chemical Neuroanatomy*. doi.

Dell, L.-A., Spocter, M. A., Patzke, N., Karlson, K. Æ., Alagaili, A. N., Bennett, N. C., . . . Manger, P. R. (2015). Orexinergic bouton density is lower in the cerebral cortex of cetaceans compared to artiodactyls. *Journal of Chemical Neuroanatomy*, 68, 61-76. doi: <http://dx.doi.org/10.1016/j.jchemneu.2015.07.007>. <http://www.sciencedirect.com/science/article/pii/S0891061815000587>

Dellarole, A., Morton, P., Brambilla, R., Walters, W., Summers, S., Bernardes, D., . . . Bethea, J. R. (2014). Neuropathic pain-induced depressive-like behavior and hippocampal neurogenesis and plasticity are dependent on TNFR1 signaling. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2014.04.003>. <http://www.sciencedirect.com/science/article/pii/S0889159114001160>

Dellen, A., Welch, J., Dixon, R. M., Cordery, P., York, D., Styles, P., . . . Hannan, A. J. (2000). N-Acetylaspartate and DARPP-32 levels decrease in the corpus striatum of Huntington's disease mice. *Neuroreport*, 11(17), 3751-3751. doi.

Delobel, P., Lavenir, I., Fraser, G., Ingram, E., Holzer, M., & Ghetti, B. (2008). Analysis of tau phosphorylation and truncation in a mouse model of human tauopathy. *American Journal of Pathology*, 172. doi: 10.2353/ajpath.2008.070627. <http://dx.doi.org/10.2353/ajpath.2008.070627>

Delpech, J.-C., Wei, L., Hao, J., Yu, X., Madore, C., Butovsky, O., & Kaffman, A. (2016). Early life stress perturbs the maturation of microglia in the developing hippocampus. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2016.06.006>. <http://www.sciencedirect.com/science/article/pii/S0889159116301556>

DeMarch, Z., Giampá, C., Patassini, S., Bernardi, G., & Fusco, F. R. (2008). Beneficial effects of rolipram in the R6/2 mouse model of Huntington's disease. *Neurobiology of Disease*, 30(3), 375-387. doi.

Demarest, T. G., Waite, E. L., Kristian, T., Puche, A. C., Waddell, J., McKenna, M. C., & Fiskum, G. (2016). Sex-dependent mitophagy and neuronal death following rat neonatal hypoxia-ischemia. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.08.026>.

<http://www.sciencedirect.com/science/article/pii/S0306452216303992>

Demars, F., Clark, K., Wyeth, M. S., Abrams, E., & Buckmaster, P. S. (2018). A single subconvulsant dose of domoic acid at mid-gestation does not cause temporal lobe epilepsy in mice. *Neurotoxicology*.

doi: <https://doi.org/10.1016/j.neuro.2018.04.001>. <https://www.sciencedirect.com/science/article/pii/S0161813X18300974>

Demars, M., Hu, Y. S., Gadadhar, A., & Lazarov, O. (2010). Impaired neurogenesis is an early event in the etiology of familial Alzheimer's disease in transgenic mice. *Journal of Neuroscience Research*, 88(10), 2103-2117. doi.

Demars, M. P., Bartholomew, A., Strakova, Z., & Lazarov, O. (2011). Soluble amyloid precursor protein: a novel proliferation factor of adult progenitor cells of ectodermal and mesodermal origin. *Stem Cell Research and Therapy*, 2(4), 1-15. doi.

Demars, M. P., Hollands, C., Zhao, K. D. T., & Lazarov, O. (2013). Soluble amyloid precursor protein- α rescues age-linked decline in neural progenitor cell proliferation. *Neurobiology of Aging*. doi.

Demir, O., & Arici, N. (2021). Dose-related effects of extracorporeal shock waves on orthodontic tooth movement in rabbits. *Scientific Reports*, 11(1), 3405. doi:

10.1038/s41598-021-82997-5. <https://doi.org/10.1038/s41598-021-82997-5>

Demir, R., Ulvi, H., Özel, L., Özdemir, G., Güzelcik, M., & Aygül, R. (2012). Relationship between plasma metalloproteinase-9 levels and volume and severity of infarct in patients with acute ischemic stroke. *Acta Neurologica Belgica*, 1-6. doi.

Demir, R., Yayla, M., Akpınar, E., Cakir, M., Calıkoglu, C., Ozel, L., . . . Mercantepe, T. (2014). Protective effects of alpha-lipoic acid on experimental sciatic nerve crush injury in rats: assessed with functional, molecular and electromicroscopic analyses. *International Journal of Neuroscience*, (0), 1-23.

doi: <http://informahealthcare.com/doi/abs/10.3109/00207454.2014.902375>

Demirci, T., Sener, E., Kok, A. N., & Sener, M. T. (2020). Postmortem histochemical and electron microscopic changes in skeletal muscle fibers of fatal hypothermia: an experimental study. *Australian Journal of Forensic Sciences*, 1-16. doi: 10.1080/00450618.2020.1853234.

<https://doi.org/10.1080/00450618.2020.1853234>

Dempsey, E. C., Loomis, Z. L., & Wick, M. J. (2011). Recent advances in lung neuropeptide biology using neprilysin and VIP knockout mice. *Drug Discovery Today: Disease Models*. doi.

Dempsey, E. C., Wick, M. J., Karoor, V., Barr, E. J., Tallman, D. W., Wehling, C. A., . . . Miller, Y. E. (2009). Neprilysin Null Mice Develop Exaggerated Pulmonary Vascular Remodeling in

Response to Chronic Hypoxia. *American Journal of Pathology*, 174(3), 782-796. doi: 10.2353/ajpath.2009.080345. <http://ajp.amjpathol.org/cgi/content/abstract/174/3/782>

den Hartog, C. R., Blandino, K. L., Nash, M. L., Sjogren, E. R., Grampetro, M. A., Moorman, D. E., & Vazey, E. M. (2020). Noradrenergic tone mediates marble burying behavior after chronic stress and ethanol. *Psychopharmacology*. doi: 10.1007/s00213-020-05589-7. <https://doi.org/10.1007/s00213-020-05589-7>

Dendrinios, G., Hemelt, M., & Keller, A. (2011). Prenatal VPA Exposure and Changes in Sensory Processing by the Superior Colliculus. *Frontiers in Integrative Neuroscience*, 5. doi.

Deng, W., Luo, F., Li, B.-m., & Mei, L. (2019). NRG1-ErbB4 signaling promotes functional recovery in a murine model of traumatic brain injury via regulation of GABA release. [journal article]. *Experimental Brain Research*. doi: 10.1007/s00221-019-05680-2. <https://doi.org/10.1007/s00221-019-05680-2>

Deng, W., Saxe, M. D., Gallina, I. S., & Gage, F. H. (2009). Adult-Born Hippocampal Dentate Granule Cells Undergoing Maturation Modulate Learning and Memory in the Brain. *Journal of Neuroscience*, 29(43), 13532-13542. doi: 10.1523/Jneurosci.3362-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/43/13532>

Deng, X. H., Bertini, G., Palomba, M., Xu, Y. Z., Bonaconsa, M., Nygard, M., & Bentivoglio, M. (2010). Glial transcripts and immune-challenged glia in the suprachiasmatic nucleus of young and aged mice. *Chronobiology International*, 27(4), 742-767. doi.

Deng, Y., Wang, H., Joni, M., Sekhri, R., & Reiner, A. (2020). Progression of Basal Ganglia Pathology in Heterozygous Q175 Knock-in Huntington's Disease Mice. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.25023. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.25023>

Denham, M., Parish, C. L., Leaw, B., Wright, J., Reid, C. A., Petrou, S., . . . Thompson, L. H. (2012). Neurons derived from human embryonic stem cells extend long-distance axonal projections through growth along host white matter tracts after intra-cerebral transplantation. *Frontiers in Cellular Neuroscience*, 6(11). doi: 10.3389/fncel.2012.00011.

Deniz, Ö. G., Altun, G., Kaplan, A. A., Yurt, K. K., von Bartheld, C. S., & Kaplan, S. (2018). A concise review of optical, physical and isotropic fractionator techniques in neuroscience studies, including recent developments. *Journal of Neuroscience Methods*. doi: <https://doi.org/10.1016/j.jneumeth.2018.07.012>. <http://www.sciencedirect.com/science/article/pii/S016502701830219X>

Dennis, C. V., Suh, L. S., Rodriguez, M. L., Kril, J. J., & Sutherland, G. T. (2016). Human adult neurogenesis across the ages: An immunohistochemical study. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12337. <http://dx.doi.org/10.1111/nan.12337>

Denton, A. R., Samaranayake, S. A., Kirchner, K. N., Roscoe, R. F., Berger, S. N., Harrod, S. B., . . . Booze, R. M. (2019). Selective monoaminergic and histaminergic circuit dysregulation following long-term HIV-1 protein exposure. [journal article]. *Journal of Neurovirology*. doi: 10.1007/s13365-019-00754-x. <https://doi.org/10.1007/s13365-019-00754-x>

Depboylu, C. (2014). Non-serine-phosphorylated tyrosine hydroxylase expressing neurons are present in mouse striatum, accumbens and cortex that increase in number following dopaminergic denervation. *Journal of Chemical Neuroanatomy*. doi: <http://www.sciencedirect.com/science/article/pii/S089106181400012X>

Depboylu, C., Klietz, M., Maurer, L., Oertel, W. H., Kobayashi, K., Weihe, E., . . . Schäfer, M. K. H. (2014). Transcriptional and structural plasticity of tyrosine hydroxylase expressing neurons in both striatum and nucleus accumbens following dopaminergic denervation. *Journal of Chemical Neuroanatomy*, (o). doi: <http://dx.doi.org/10.1016/j.jchemneu.2014.10.003>. <http://www.sciencedirect.com/science/article/pii/S0891061814000921>

Depboylu, C., Maurer, L., Matusch, A., Hermanns, G., Windolph, A., Béhé, M., . . . Höglinger, G. U. (2013). Effect of long-term treatment with pramipexole or levodopa on presynaptic markers assessed by longitudinal [123I]FP-CIT SPECT and histochemistry. *Neuroimage*, (o). doi: <http://dx.doi.org/10.1016/j.neuroimage.2013.04.076>. <http://www.sciencedirect.com/science/article/pii/S1053811913004230>

Depboylu, C., Rösler, T. W., de Andrade, A., Oertel, W. H., & Höglinger, G. U. (2015). Systemically administered neuregulin-1 β 1 rescues nigral dopaminergic neurons via the ErbB4 receptor tyrosine kinase in MPTP mouse models of Parkinson disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13026. <http://dx.doi.org/10.1111/jnc.13026>

Depboylu, C., Stricker, S., Ghobril, J.-P., Oertel, W. H., Priller, J., & Höglinger, G. U. (2012). Brain-resident microglia predominate over infiltrating myeloid cells in activation, phagocytosis and interaction with T-lymphocytes in the MPTP mouse model of Parkinson disease. *Experimental Neurology*, (o). doi: 10.1016/j.expneurol.2012.08.020. <http://www.sciencedirect.com/science/article/pii/S0014488612003299>

Depner, C., zum Buttel, H., Boğurcu, N., Cuesta, A. M., Aburto, M. R., Seidel, S., . . . Acker- Palmer, A. (2016). EphrinB2 repression through ZEB2 mediates tumour invasion and anti- angiogenic resistance. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms12329. <http://dx.doi.org/10.1038/ncomms12329>

Deroche-Gamonet, V., Revest, J.-M., Fiancette, J.-F., Balado, E., Koehl, M., Grosjean, N., . . . Piazza, P.-V. (2018). Depleting adult dentate gyrus neurogenesis increases cocaine-seeking behavior. *Molecular Psychiatry*. doi: 10.1038/s41380-018-0038-0. <https://doi.org/10.1038/s41380-018-0038-0>

Deroose, C. M., Reumers, V., Gijssels, R., Bormans, G., Debyser, Z., Mortelmans, L., & Baekelandt, V. (2006). Noninvasive Monitoring of Long-Term Lentiviral Vector-Mediated Gene Expression in Rodent Brain with Bioluminescence Imaging. *Molecular Therapy*, 14, 423-431. doi.

Dervan, A. G., Meshul, C. K., Beales, M., McBean, G. J., Moore, C., Totterdell, S., . . . Meredith, G. E. (2004). Astroglial plasticity and glutamate function in a chronic mouse model of Parkinson's disease. *Experimental Neurology*, 190(1), 145-156. doi.

Desai Bradaric, B., Patel, A., Schneider, J. A., Carvey, P. M., & Hendey, B. (2012). Evidence for angiogenesis in Parkinson's disease, incidental Lewy body disease, and progressive supranuclear palsy. *Journal of Neural Transmission*, 1-13. doi.

Desai, B. S., Schneider, J. A., Li, J. L., Carvey, P. M., & Hendey, B. (2009). Evidence of angiogenic vessels in Alzheimer's disease. *Journal of Neural Transmission*, 116(5), 587-597. doi.

Desgent, S., Boire, D., & Ptito, M. (2010). Altered expression of parvalbumin and calbindin in interneurons within the primary visual cortex of neonatal enucleated hamsters. *Neuroscience*, 171(4), 1326-1340. doi.

Desgent, S., Duss, S., Sanon, N. T., Lema, P., Lévesque, M., Hébert, D., . . . Carmant, L. (2012). Early-Life Stress Is Associated with Gender-Based Vulnerability to Epileptogenesis in Rat Pups. *Plos one*, 7(8), e42622. doi: 10.1371/journal.pone.0042622. <http://dx.doi.org/10.1371%2Fjournal.pone.0042622>

Deshpande, A., Dombrowski, S. M., Leichliter, A., Krajcir, N., Zingales, N., Inoue, M., . . . Luciano, M. G. (2009). Dissociation between vascular endothelial growth factor receptor-2 and blood vessel density in the caudate nucleus after chronic hydrocephalus. *Journal of Cerebral Blood Flow and Metabolism*, 29(11), 1806-1815. doi.

Desplats, P., Lee, H.-J., Bae, E.-J., Patrick, C., Rockenstein, E., Crews, L., . . . Lee, S.-J. (2009). Inclusion formation and neuronal cell death through neuron-to-neuron transmission of I α -synuclein. *Proceedings of the National Academy of Sciences*, -. doi: 10.1073/Proceedings of the National Academy of Sciences.0903691106. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2009/07/24/0903691106.abstract>

Detloff, M. R., Smith, E. J., Molina, D. Q., Ganzer, P. D., & Houlié, J. D. (2014). Acute exercise prevents the development of neuropathic pain and the sprouting of non-peptidergic (GDNF- and artemin-responsive) c-fibers after spinal cord injury. *Experimental Neurology*, (o). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.02.013>. <http://www.sciencedirect.com/science/article/pii/S0014488614000582>

Detloff, M. R., Wade, J., R.E., & Houlié, J. D. (2012). Chronic at-and below-level pain following unilateral cervical spinal cord contusion in rats. *Journal of Neurotrauma*, (ja). doi.

Deumens, R., Koopmans, G., Honig, W., Hamers, F. P. T., Mey, J., van Kleef, M., & Joosten, E. A. (2011). Functional recovery, serotonergic sprouting and endogenous progenitor fates in response to delayed environmental enrichment after spinal cord injury. *Journal of Neurotrauma*, (ja). doi.

Deusser, J., Schmidt, S., Etle, B., Plötz, S., Huber, S., Müller, C. P., . . . Kohl, Z. (2015). Serotonergic dysfunction in the A53T alpha-synuclein mouse model of Parkinson's disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13253. <http://dx.doi.org/10.1111/jnc.13253>

Devanathan, V., Jakovcevski, I., Santucci, A., Li, S., Lee, H. J., Peles, E., . . . Schachner, M. (2010). Cellular Form of Prion Protein Inhibits Reelin-Mediated Shedding of Caspr from the Neuronal Cell Surface to Potentiate Caspr-Mediated Inhibition of Neurite Outgrowth. *Journal of Neuroscience*, 30(27), 9292-9305. doi: 10.1523/jneurosci.5657-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/27/9292>

Devon, R. S., Orban, P. C., Gerrow, K., Barbieri, M. A., Schwab, C., Cao, L. P., . . . Hayden, M. R. (2006). Als2-deficient mice exhibit disturbances in endosome trafficking associated with motor behavioral abnormalities. *Proceedings of the National Academy of Sciences*, 103(25), 9595-9600. doi: 10.1073/Proceedings of the National Academy of Sciences.0510197103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/25/9595>

DeWitt, J., Ochoa, V., Urschitz, J., Elston, M., Moisyadi, S., & Nishi, R. (2013). Constitutively active TrkB confers an aggressive transformed phenotype to a neural crest-derived cell line. *Oncogene*. doi.

Dey, A., Hao, S., Erion, J. R., Wosiski-Kuhn, M., & Stranahan, A. M. (2014). Glucocorticoid sensitization of microglia in a genetic mouse model of obesity and diabetes. *Journal of Neuroimmunology*, (0). doi: <http://dx.doi.org/10.1016/j.jneuroim.2014.01.013>. <http://www.sciencedirect.com/science/article/pii/S0165572814000307>

Dhanushkodi, A., Akano, E. O., Roguski, E. E., Dantzler, L., Xue, Y., Rao, S. K., . . . McDonald, M. P. (2012). A single intramuscular injection of rAAV-mediated mutant erythropoietin protects against MPTP-induced parkinsonism. *Genes, Brain and Behavior*, n/a-n/a. doi: 10.1111/j.1601-183X.2012.12001.x. <http://dx.doi.org/10.1111/j.1601-183X.2012.12001.x>

Dhanushkodi, A., Xue, Y., Roguski, E. E., Ding, Y., Matta, S. G., Heck, D., . . . McDonald, M. P. (2019). Lentiviral-mediated knock-down of GD3 synthase protects against MPTP-induced motor deficits and neurodegeneration. *Neuroscience Letters*, 692, 53-63. doi: <https://doi.org/10.1016/j.neulet.2018.10.038>. <http://www.sciencedirect.com/science/article/pii/S0304394018307146>

Dhar, P., Das, S. K., Barhwal, K., Hota, S. K., Mishra, K. P., & Singh, S. B. (2019). Trans-Himalayan Phytococktail Confers Protection Against Hypobaric Hypoxia-Induced Hippocampal Neurodegeneration and Memory Impairment in Male Sprague Dawley Rats. *High altitude medicine & biology*, 20(3), 279-292. doi: 10.1089/ham.2019.0011. <https://doi.org/10.1089/ham.2019.0011>

Dhillon, N. K., Linaval, N. T., O'Rourke, J., Barmparas, G., Yang, A., Cho, N., . . . Ley, E. J. (2020). How Repetitive Traumatic Injury Alters Long-Term Brain Function. *Journal of Trauma and Acute Care Surgery*, Publish Ahead of Print. doi: 10.1097/ta.0000000000002811. https://journals.lww.com/jtrauma/Fulltext/9000/How_Repetitive_Traumatic_...

Dhillon, S. K., Gunn, A., Jung, Y., Mathai, S., Bennet, L., & Fraser, M. (2015). Lipopolysaccharide-Induced Preconditioning Attenuates Apoptosis and Differentially

Regulates TLR4 and TLR7 Gene Expression after Ischemia in the Preterm Ovine Fetal Brain. *Developmental Neuroscience*. doi.

<http://www.karger.com/Article/Abstract/433422>

Dhungel, N., Eleuteri, S., Li, L.-b., Kramer, Nicholas J., Chartron, Justin W., Spencer, B., . . . Gitler, Aaron D. (2014). Parkinson's Disease Genes VPS35 and EIF4G1 Interact Genetically and Converge on α -Synuclein. *Neuron*, (0).

doi: <http://dx.doi.org/10.1016/j.neuron.2014.11.027>. <http://www.sciencedirect.com/science/article/pii/S0896627314010812>

Di Benedetto, B., Kallnik, M., Weisenhorn, D. M. V., Falls, W. A., Wurst, W., & Hölter, S. M. (2008). Activation of ERK/MAPK in the lateral amygdala of the mouse is required for acquisition of a fear-potentiated startle response. *Neuropsychopharmacology*, 34(2), 356-

366. doi.

Di Garbo, A., Mainardi, M., Chillemi, S., Maffei, L., & Caleo, M. (2011). Environmental Enrichment Modulates Cortico-Cortical Interactions in the Mouse. *PLoS ONE*, 6(9), e25285- e25285. doi.

Di Giovanni, V., Walker, K. A., Bushnell, D., Schaefer, C., Sims-Lucas, S., Puri, P., & Bates, C. M. (2015). Fibroblast growth factor receptor-Frs2 α signaling is critical for nephron progenitors. *Developmental Biology*, (0).

doi: <http://dx.doi.org/10.1016/j.ydbio.2015.01.018>.
<http://www.sciencedirect.com/science/article/pii/S001216061500038X>

Di Taranto, G., Cicione, C., Visconti, G., Isgrò, M. A., Barba, M., Di Stasio, E., . . . Lattanzi, W. (2015). Qualitative and quantitative differences of adipose-derived stromal cells from superficial and deep subcutaneous lipoaspirates: a matter of fat. *Cytotherapy*, (0).

doi: <http://dx.doi.org/10.1016/j.jcyt.2015.04.004>.
<http://www.sciencedirect.com/science/article/pii/S1465324915008579>

Dias, B. G., Ataya, R. S., Rushworth, D., Zhao, J., & Crews, D. (2007). Effect of Incubation Temperature and Androgens on Dopaminergic Activity in the Leopard Gecko, *Eublepharis macularius*. *Developmental Neurobiology*, 67(5), 630-636. doi.

Dias, G. P., Bevilacqua, M. C. d. N., da Luz, A. C. D. S., Fleming, R. L., de Carvalho, L. A., Cocks, G., . . . Gardino, P. F. (2014). Hippocampal biomarkers of fear memory in an animal model of generalized anxiety disorder. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2014.01.012>.
<http://www.sciencedirect.com/science/article/pii/S0166432814000151>

Díaz-Hernández, M. E., Bustamante, M., Galván-Hernández, C. I., & Chimal-Monroy, J. (2013). *Irx1* and *Irx2* Are Coordinately Expressed and Regulated by Retinoic Acid, TGF β and FGF Signaling during Chick Hindlimb Development. *Plos one*, 8(3), e58549. doi: 10.1371/journal.pone.0058549. <http://dx.doi.org/10.1371%2Fjournal.pone.0058549>

Díaz-Ruiz, O., Zapata, A., Shan, L., Zhang, Y. J., Tomac, A. C., Malik, N., . . . Bäckman, C. M. (2009). Selective deletion of PTEN in dopamine neurons leads to trophic effects and adaptation of striatal medium spiny projecting neurons. *PLoS ONE*, 4(9), e7027-e7027. doi.

Diaz-Ruiz, O., Zhang, Y., Shan, L., Malik, N., Hoffman, A. F., Ladenheim, B., . . . Bäckman, C. M. (2012). Attenuated response to methamphetamine sensitization and deficits in motor learning and memory after selective deletion of β -catenin in dopamine neurons. *Learning and Memory*, 19(8), 341-350. doi:

10.1101/lm.026716.112. <http://learnmem.cshlp.org/content/19/8/341.abstract>

Dickerson, S. M., Cunningham, S. L., & Gore, A. C. (2011). Prenatal PCBs disrupt early neuroendocrine development of the rat hypothalamus. *Toxicology and Applied Pharmacology*. doi.

Dickson, D. W. (2004). Building a More Perfect Beast - APP Transgenic Mice with Neuronal Loss. *American Journal of Pathology*, 164(4). doi.

Dickson, D. W., Crystal, H. A., Bevona, C., Honer, W., Vincent, I., & Davies, P. (1995). Correlations of synaptic and pathological markers with cognition of the elderly. *Neurobiology of Aging*, 16. doi: 10.1016/0197-4580(95)00013-5. [http://dx.doi.org/10.1016/0197-4580\(95\)00013-5](http://dx.doi.org/10.1016/0197-4580(95)00013-5)

Diederer, R. M. H., La Heij, E. C., Lemmens, M. A. M., Kijlstra, A., De Vente, J., & Hendrikse, F. (2008). Cyclic GMP in the pig vitreous and retina after experimental retinal detachment. *Molecular Vision*, 14, 255-255. doi.

Diederich, K., Schäbitz, W. R., Kuhnert, K., Hellström, N., Sachser, N., Schneider, A., . . . Knecht, S. (2009). Synergetic effects of granulocyte-colony stimulating factor and cognitive training on spatial learning and survival of newborn hippocampal neurons. *PLoS ONE*, 4(4), e5303- e5303. doi.

Dietrich, M. O., Antunes, C., Geliang, G., Liu, Z.-W., Borok, E., Nie, Y., . . . Horvath, T. L. (2010). Agrp Neurons Mediate Sirt1's Action on the Melanocortin System and Energy Balance: Roles for Sirt1 in Neuronal Firing and Synaptic Plasticity. *Journal of Neuroscience*, 30(35), 11815- 11825. doi: 10.1523/jneurosci.2234-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/35/11815>

Dietz, G. P. H., Stockhausen, K. V., Dietz, B., Falkenburger, B. H., Valbuena, P., Opazo, F., . . . Bahr, M. (2008). Membrane-permeable Bcl-xL prevents MPTP-induced dopaminergic neuronal loss in the substantia nigra. *Journal of Neurochemistry*, 104(3), 757-765. doi: doi:10.1111/j.1471-4159.2007.05028.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.05028.x>

Dijkstra, A. A., Lin, L.-C., Nana, A. L., Gaus, S. E., & Seeley, W. W. (2016). Von Economo Neurons and Fork Cells: A Neurochemical Signature Linked to Monoaminergic Function. *Cerebral Cortex*. doi: 10.1093/cercor/bhw358. <http://cercor.oxfordjournals.org/content/early/2016/12/01/cerc or.bhw358....>

Dijkstra, A. A., Voorn, P., Berendse, H. W., Groenewegen, H. J., Netherlands Brain, B., Rozemuller, A. J. M., & van de Berg, W. D. J. (2014). Stage-dependent nigral neuronal loss in incidental Lewy body and Parkinson's disease. *Movement Disorders*, n/a-n/a. doi: 10.1002/mds.25952. <http://dx.doi.org/10.1002/mds.25952>

Dikmen, H. O., Hemmerich, M., Lewen, A., Hollnagel, J.-O., Chausse, B., & Kann, O. (2020). GM-CSF induces noninflammatory proliferation of microglia and disturbs electrical neuronal network rhythms in situ. *Journal of neuroinflammation*, 17(1), 235. doi: 10.1186/s12974-020-01903-4. <https://doi.org/10.1186/s12974-020-01903-4>

Dikranian, K., Cohen, R., Mac Donald, C., Pan, Y., Brakefield, D., Bayly, P., & Parsadanian, A. (2008). Mild traumatic brain injury to the infant mouse causes robust white matter axonal degeneration which precedes apoptotic death of cortical and thalamic neurons.

Experimental Neurology, 211(2), 551-560. doi.

Dillingham, C. M., Guggenheim, J. A., & Erichsen, J. T. (2013). Disruption of the Centrifugal Visual System Inhibits Early Eye Growth in Chicks. *Investigative Ophthalmology and Visual Science*. doi: 10.1167/iops.12-

11548. <http://www.iops.org/content/early/2013/04/15/iops.12-11548.abstract>

Dillingham, C. M., Guggenheim, J. A., & Erichsen, J. T. (2016). The effect of unilateral disruption of the centrifugal visual system on normal eye development in chicks raised under constant light conditions. [journal article]. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-016-1279-9.

<http://dx.doi.org/10.1007/s00429-016-1279-9>

Dinesh Upadhyay, M. K., Daniel Gitai, Olagide W. Castro, Gabriele Zanirati, Raghavendra Upadhyay, Sahithi Attaluri, Eeshika Mitra, Bing Shuai, Bharathi Hattiangady, Ashok K. Shetty. (2019). A Model of Chronic Temporal Lobe Epilepsy Presenting Constantly Rhythmic and Robust Spontaneous Seizures, Co-morbidities and Hippocampal Neuropathology. *Aging and Disease*, 0-. doi: 10.14336/ad.2019.0720.

http://www.aginganddisease.org/CN/abstract/article_147882.shtml

Ding, H., Underwood, R., Lavalley, N., & Yacoubian, T. A. (2015). 14-3-3 inhibition promotes dopaminergic neuron loss and 14-3-3 θ overexpression promotes recovery in the MPTP mouse model of Parkinson's disease. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.08.042>.

<http://www.sciencedirect.com/science/article/pii/S0306452215007745>

Ding, P., Huang, J., Battiprolu, P. K., Hill, J. A., Kamm, K. E., & Stull, J. T. (2010). Cardiac Myosin Light Chain Kinase Is Necessary for Myosin Regulatory Light Chain Phosphorylation and Cardiac Performance in Vivo. *Journal of Biological Chemistry*, 285(52), 40819-40829. doi: 10.1074/jbc.M110.160499.

<http://www.jbc.org/content/285/52/40819.abstract>

Ding, W., Lin, H., Hong, X., Ji, D., & Wu, F. (2020). Poloxamer 188-mediated anti-inflammatory effect rescues cognitive deficits in paraquat and maneb-induced mouse model of Parkinson's disease. *Toxicology*, 436, 152437.

doi: <https://doi.org/10.1016/j.tox.2020.152437>.

<http://www.sciencedirect.com/science/article/pii/S0300483X20300767>

Dingle, A. M., Yap, K. K., Gerrand, Y.-W., Taylor, C. J., Keramidaris, E., Lokmic, Z., . . . Mitchell, G. M. (2018). Characterization of isolated liver sinusoidal endothelial cells for liver bioengineering. [journal article]. *Angiogenesis*. doi: 10.1007/s10456-018-9610-0.

<https://doi.org/10.1007/s10456-018-9610-0>

Diniz, D. G., Foro, C. A. R., Rego, C., Gloria, D. A., De Oliveira, F. R. R., Paes, J. M. P., . . . others. (2010). Environmental impoverishment and aging alter object recognition, spatial learning, and dentate gyrus astrocytes. *European Journal of Neuroscience*, 32(3), 509-519. doi.

Dinocourt, C., Petanjek, Z., Freund, T. F., Ben-Ari, Y., & Esclapez, M. (2003). Loss of interneurons innervating pyramidal cell dendrites and axon initial segments in the CA1 region of the hippocampus following pilocarpine-induced seizures. *Journal of Comparative Neurology*, 459(4), 407-425. doi.

Dioli, C., Patricio, P., Trindade, R., Pinto, L. G., Silva, J. M., Morais, M., . . . Sotiropoulos, I. (2017). Tau-dependent suppression of adult neurogenesis in the stressed hippocampus. [Immediate Communication]. *Molecular Psychiatry*. doi: 10.1038/mp.2017.103. <http://dx.doi.org/10.1038/mp.2017.103>

Dissen, G. A., Lomniczi, A., Heger, S., Neff, T. L., & Ojeda, S. R. (2012). Hypothalamic EAP1 (enhanced at puberty 1) is required for menstrual cyclicity in nonhuman primates. *Endocrinology*, 153(1), 350-361. doi.

Dittrich, L., Heiss, J. E., Warriar, D. R., Perez, X. A., Quik, M., & Kilduff, T. S. (2012). Cortical nNOS neurons co-express the NK1 receptor and are depolarized by Substance P in multiple mammalian species. *Frontiers in Neural Circuits*, 6. doi.

Divito, C. B., Steece-Collier, K., Case, D. T., Williams, S.-P. G., Stancati, J. A., Zhi, L., . . . Sulzer, D. (2015). Loss of VGLUT3 Produces Circadian-Dependent Hyperdopaminergia and Ameliorates Motor Dysfunction and L-Dopa-Mediated Dyskinesias in a Model of Parkinson's Disease. *The Journal of Neuroscience*, 35(45), 14983-14999. doi. <http://www.jneurosci.org/content/35/45/14983.short>

Dixon, G., Garrick, T., Whiteman, I., Sarris, M., Sithamparanathan, S., & Harper, C. G. (2004). Characterization of GABAergic neurons within the human medial mamillary nucleus. *Neuroscience*, 127(2), 365-372. doi.

Dixon, K. J., Mier, J., Gajavelli, S., Turbic, A., Bullock, R., Turnley, A. M., & Liebl, D. J. (2016). EphrinB3 restricts endogenous neural stem cell migration after traumatic brain injury. *Stem Cell Research*. doi: <http://dx.doi.org/10.1016/j.scr.2016.09.029>. <http://www.sciencedirect.com/science/article/pii/S1873506116301441>

Dixon, K. J., Theus, M. H., Nelersa, C. M., Mier, J., Travieso, L. G., Yu, T.-S., . . . Liebl, D. J. (2014). Endogenous neural stem/progenitor cells stabilize the cortical microenvironment following traumatic brain injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3390. <http://dx.doi.org/10.1089/neu.2014.3390>

Dmitrieva, N., Nagabukuro, H., Resuehr, D., Zhang, G., McAllister, S. L., McGinty, K. A., . . . Berkley, K. J. (2010). Endocannabinoid involvement in endometriosis. *Pain*, 151(3), 703-710. doi.

do Nascimento, L. F. R., da Silveira, L. C., Nisembaum, L. G., Colquhoun, A., Abe, A. S., Mandarim-de-Lacerda, C. A., & de Souza, S. C. R. (2016). Morphological and metabolic

adjustments in the small intestine to energy demands of growth, storage, and fasting in the first annual cycle of a hibernating lizard (*Tupinambis merianae*). *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*.

doi: <http://dx.doi.org/10.1016/j.cbpa.2016.02.002>.

<http://www.sciencedirect.com/science/article/pii/S1095643316300204>

Doble, B. W., & Woodgett, J. R. (2003). GSK-3: tricks of the trade for a multi-tasking kinase. *Journal of Cell Science*, 116. doi: 10.1242/jcs.00384. <http://dx.doi.org/10.1242/jcs.00384>

Dodd, L. D., Nowak, E., Lange, D., Parker, C. G., DeAngelis, R., Gonzalez, J. A., & Rhodes, J. S. (2019). Active feminization of the preoptic area occurs independently of the gonads in *Amphiprion ocellaris*. *Hormones and Behavior*, 112, 65-76.

doi: <https://doi.org/10.1016/j.yhbeh.2019.04.002>.

<http://www.sciencedirect.com/science/article/pii/S0018506X18305063>

Dodiya, H. B., Bjorklund, T., Stansell Iii, J., Mandel, R. J., Kirik, D., & Kordower, J. H. (2009). Differential transduction following basal ganglia administration of distinct pseudotyped AAV capsid serotypes in nonhuman primates. *Molecular Therapy*, 18(3), 579-587. doi.

Dodiya, H. B., Forsyth, C. B., Voigt, R. M., Engen, P. A., Patel, J., Shaikh, M., . . . Keshavarzian, A. (2018). Chronic stress-induced gut dysfunction exacerbates Parkinson's disease phenotype and pathology in a rotenone-induced mouse model of Parkinson's disease. *Neurobiology of Disease*.

doi: <https://doi.org/10.1016/j.nbd.2018.12.012>.

<http://www.sciencedirect.com/science/article/pii/S096999611830768X>

Doerr, J., Schwarz, M. K., Wiedermann, D., Leinhaas, A., Jakobs, A., Schloen, F., . . . Brüstle, O. (2017). Whole-brain 3D mapping of human neural transplant innervation. [Article]. *Nature Communications*, 8, 14162. doi: 10.1038/ncomms14162

<http://www.nature.com/articles/ncomms14162#supplementary-information>. <http://dx.doi.org/10.1038/ncomms14162>

Doherty, J. M., Cooke, B. M., & Frantz, K. J. (2012). A Role For The Prefrontal Cortex In Heroin-Seeking After Forced Abstinence By Adult Male Rats But Not Adolescents.

Neuropsychopharmacology. doi.

Dokter, M., Busch, R., Poser, R., Vogt, M. A., von Bohlen und Halbach, V., Gass, P., . . . von Bohlen und Halbach, O. (2014). Implications of p75NTR for dentate gyrus

morphology and hippocampus-related behavior revisited. *Brain Structure and Function*, 1-14. doi: 10.1007/s00429-014-0737-5. <http://dx.doi.org/10.1007/s00429-014-0737-5>

Dombrowski, S. M., Deshpande, A., Dingwall, C., Lechlitter, A., Leibson, Z., & Luciano, M. G. (2008). Chronic hydrocephalus induced hypoxia: Increased expression of VEGFR-2⁺ and blood vessel density in hippocampus. *Neuroscience*, 152(2), 346-359. doi.

Dominguez-Álvaro, M., Montero-Crespo, M., Blazquez-Llorca, L., Insausti, R., DeFelipe, J., & Alonso-Nanclares, L. (2018). Three-dimensional analysis of synapses in the transentorhinal cortex of Alzheimer's disease patients. [journal article]. *Acta Neuropathologica*

Communications, 6(1), 20. doi: 10.1186/s40478-018-0520-6. <https://doi.org/10.1186/s40478-018-0520-6>

Donegan, M., Kernisant, M., Cua, C., Jasmin, L., & Ohara, P. T. (2013). Satellite glial cell proliferation in the trigeminal ganglia after chronic constriction injury of the infraorbital nerve. *Glia*, n/a-n/a. doi: 10.1002/glia.22571. <http://dx.doi.org/10.1002/glia.22571>

Dong, D., Zhang, Y., Jiang, Y., Hu, Y., Liu, Z., & Chan, W. Y. (2004). Expression of Nuclear Factor-Kappa B in Early Developing Rhesus Monkey Brains. *Neuroembryology and Aging*, 3(3), 115-122. doi: <http://www.karger.com/DOI/10.1159/000094554>

Dong, H., Qin, Y., Huang, Y., Ji, D., & Wu, F. (2019). Poloxamer 188 rescues MPTP-induced lysosomal membrane integrity impairment in cellular and mouse models of Parkinson's disease. *Neurochemistry International*, 126, 178-186. doi: <https://doi.org/10.1016/j.neuint.2019.03.013>. <http://www.sciencedirect.com/science/article/pii/S0197018619300403>

Dong, Y., Chunli, L., Jiang, W., & Bingren, H. (2018). Nest-building activity as a reproducible and long-term stroke deficit test in a mouse model of stroke. *Brain and Behavior*, 9(0), e00993. doi: 10.1002/brb3.993. <https://onlinelibrary.wiley.com/doi/abs/10.1002/brb3.993>

Dong, Y., Li, S., Lu, Y., Li, X., Liao, Y., Peng, Z., . . . Cheng, J. (2020). Stress-induced NLRP3 inflammasome activation negatively regulates fear memory in mice. *Journal of neuroinflammation*, 17(1), 205. doi: 10.1186/s12974-020-01842-0. <https://doi.org/10.1186/s12974-020-01842-0>

Dong, Y., Yu, Z., Sun, Y., Zhou, H., Stites, J., Newell, K., & Weiner, C. P. (2011). Chronic fetal hypoxia produces selective brain injury associated with altered nitric oxide synthases. *American Journal of Obstetrics and Gynecology*. doi: 10.1016/j.ajog.2011.07.011

Dong, Y.-F., Wang, L.-X., Huang, X., Cao, W.-J., Lu, M., Ding, J.-H., . . . Hu, G. (2013). Kir6.1 Knockdown Aggravates Cerebral Ischemia/Reperfusion-Induced Neural Injury in Mice. *CNS Neuroscience & Therapeutics*, n/a-n/a. doi: 10.1111/cns.12117. <http://dx.doi.org/10.1111/cns.12117>

Donovan, G. M., Wang, K. C. W., Shamsuddin, D., Mann, T. S., Henry, P. J., Larcombe, A. N., & Noble, P. B. (2020). Pharmacological ablation of the airway smooth muscle layer—Mathematical predictions of functional improvement in asthma. *Physiological reports*, 8(11), e14451. doi: 10.14814/phy2.14451. <https://physoc.onlinelibrary.wiley.com/doi/abs/10.14814/phy2.14451>

Donovan, M. H., Yazdani, U., Norris, R. D., Games, D., German, D. C., & Eisch, A. J. (2006). Decreased adult hippocampal neurogenesis in the PDAPP mouse model of Alzheimer's disease. *Journal of Comparative Neurology*, 495(1), 70-83. doi: 10.1002/cn.20061

Donovan, S. L., Mamounas, L. A., Andrews, A. M., Blue, M. E., & McCasland, J. S. (2002). GAP-43 Is Critical for Normal Development of the Serotonergic Innervation in Forebrain. *Journal of Neuroscience*, 22(1), 1-11. doi: 10.1523/JNEUROSCI.2211-01.2002

of Neuroscience, 22(9), 3543-3552.

doi: <http://www.jneurosci.org/cgi/content/abstract/22/9/3543>

Doorn, K. J., Goudriaan, A., Blits-Huizinga, C., Bol, J. G. J. M., Rozemuller, A. J., Hoogland, P. V. J. M., . . . van Dam, A.-M. (2013). Increased Amoeboid Microglial Density in the Olfactory Bulb of Parkinson's and Alzheimer's Patients. *Brain Pathology*, n/a-n/a. doi: 10.1111/bpa.12088. <http://dx.doi.org/10.1111/bpa.12088>

Doppler, E., Rockenstein, E., Ubhi, K., Inglis, C., Mante, M., Adame, A., . . . Masliah, E. (2008). Neurotrophic effects of Cerebrolysin in the Mecp2 308/Y transgenic model of Rett syndrome. *Acta Neuropathologica*, 116(4), 425-437. doi.

Dorey, E. S., Walton, S. L., Kalisch-Smith, J. I., Paravicini, T. M., Gardebjer, E. M., Weir, K. A., . . . Moritz, K. M. (2019). Periconceptional ethanol exposure induces a sex specific diuresis and increase in AQP2 and AVPR2 in the kidneys of aged rat offspring. *Physiological reports*, 7(21), e14273-e14273. doi: 10.14814/phy2.14273. <https://www.ncbi.nlm.nih.gov/pubmed/31691500>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6832009/>

Dorph-Petersen, K. A., Delevich, K. M., Marcsisin, M. J., Zhang, W., Sampson, A. R., Gundersen, H. J. G., . . . Sweet, R. A. (2009). Pyramidal neuron number in layer 3 of primary auditory cortex of subjects with schizophrenia. *Brain Research*, 1285, 42-57. doi.

Dorph-Petersen, K. A., Pierri, J. N., Sun, Z., Sampson, A. R., & Lewis, D. A. (2004). Stereological analysis of the mediodorsal thalamic nucleus in schizophrenia: volume, neuron number, and cell types. *Journal of Comparative Neurology*, 472(4), 449-462. doi.

Dorph-Petersen, K.-A., Nyengaard, J. R., & Gundersen, J. G. (2001). Tissue shrinkage and unbiased stereological estimation of particle number and size. *Journal of Microscopy*, 204(3), 232-246. doi.

Dorsey, J. L., Mangus, L. M., Oakley, J. D., Beck, S. E., Kelly, K. M., Queen, S. E., . . . Mankowski, J. L. (2014). Loss of Corneal Sensory Nerve Fibers in SIV-Infected Macaques: An Alternate Approach to Investigate HIV-Induced PNS Damage. *The American journal of pathology*, 184(6), 1652-1659. doi: <http://dx.doi.org/10.1016/j.ajpath.2014.02.009>. <http://www.sciencedirect.com/science/article/pii/S000294401400162X>

Dos Santos, C. D., Picanco-Diniz, C. W., & Gomes-Leal, W. (2007). Differential patterns of inflammatory response, axonal damage and myelin impairment following excitotoxic or ischemic damage to the trigeminal spinal nucleus of adult rats. *Brain Research*, 1172, 130-144. doi.

Doucet-Beaupré, H., Gilbert, C., Profes, M. S., Chabrat, A., Pacelli, C., Giguère, N., . . . Lévesque, M. (2016). Lmx1a and Lmx1b regulate mitochondrial functions and survival of adult midbrain dopaminergic neurons. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1520387113. <http://www.pnas.org/content/early/2016/07/11/1520387113.abstract>

Dougherty, J. D., Garcia, A. D. R., Nakano, I., Livingstone, M., Norris, B., Polakiewicz, R., . . . Geschwind, D. H. (2005). PBK/TOPK, a Proliferating Neural Progenitor-Specific Mitogen- Activated Protein Kinase Kinase. *Journal of Neuroscience*, 25, 10773-10785. doi.

Dougherty, K. J., Sawchuk, M. A., & Hochman, S. (2009). Phenotypic diversity and expression of GABAergic inhibitory interneurons during postnatal development in lumbar spinal cord of glutamic acid decarboxylase 67 Γ Çôgreen fluorescent protein mice. *Neuroscience*, 163(3), 909-919. doi.

Dougherty, S., Reeves, J., Lucas, E., Gamble, K., Lesort, M., & Cowell, R. (2012). Disruption of purkinje cell function prior to huntingtin accumulation and cell loss in an animal model of huntington disease. *Experimental Neurology*. doi.

Dougherty, S. E., Reeves, J. L., Lesort, M., Detloff, P. J., & Cowell, R. M. (2012). Purkinje cell dysfunction and loss in a knock-in mouse model of Huntington Disease. *Experimental Neurology*, (0).

doi: <http://dx.doi.org/10.1016/j.expneurol.2012.11.015>.

<http://www.sciencedirect.com/science/article/pii/S0014488612004323>

Doverhag, C., Hedtj ĩrn, M., Poirier, F., Mallard, C., Hagberg, H., Karlsson, A., & S ĩrvman, K. (2010). Galectin-3 contributes to neonatal hypoxic-ischemic brain injury. *Neurobiology of Disease*, 38(1), 36-46. doi.

Dowie, M. J., Grimsey, N. L., Hoffman, T., Faull, R. L. M., & Glass, M. (2014). Cannabinoid receptor CB2 is expressed on vascular cells, but not astroglial cells in the post-mortem human Huntington's disease brain. *Journal of Chemical Neuroanatomy*, (0).

doi: <http://dx.doi.org/10.1016/j.jchemneu.2014.06.004>.

<http://www.sciencedirect.com/science/article/pii/S0891061814000453>

Downes, C. E., Wong, C. H. Y., Henley, K. J., Guio-Aguilar, P. L., Zhang, M., Ates, R., . . . Crack, P. J. (2013). MyD88 Is a Critical Regulator of Hematopoietic Cell-Mediated Neuroprotection Seen after Stroke. *Plos one*, 8(3), e57948. doi:

10.1371/journal.pone.0057948. <http://dx.doi.org/10.1371%2Fjournal.pone.0057948>

Dragatsis, I., Dietrich, P., Ren, H., Deng, Y. P., Del Mar, N., Wang, H. B., . . . Reiner, A. (2018). Effect of early embryonic deletion of huntingtin from pyramidal neurons on the development and long-term survival of neurons in cerebral cortex and striatum. *Neurobiology of Disease*, 111, 102-117.

doi: <https://doi.org/10.1016/j.nbd.2017.12.015>.

<https://www.sciencedirect.com/science/article/pii/S0969996117302991>

Drake, L. R., Brooks, A. F., Stauff, J., Sherman, P. S., Arteaga, J., Koeppe, R. A., . . . Scott, P. J. H. (2020). Strategies for PET Imaging of the Receptor for Advanced Glycation Endproducts (RAGE). *Journal of Pharmaceutical Analysis*.

doi: <https://doi.org/10.1016/j.jpha.2020.07.009>.

<http://www.sciencedirect.com/science/article/pii/S2095177920310388>

Dranovsky, A., Picchini, A. M., Moadel, T., Sisti, A. C., Yamada, A., Kimura, S., . . . others. (2011). Experience dictates stem cell fate in the adult hippocampus. *Neuron*, 70(5), 908-923. doi.

Drapeau, E., Mayo, W., Aurousseau, C., Le Moal, M., Piazza, P.-V., & Abrous, D. N. (2003). Spatial memory performances of aged rats in the water maze predict levels of hippocampal neurogenesis. *Proceedings of the National Academy of Sciences*, 100(24), 14385-14390.

doi: <http://www.Proceedings.org/cgi/content/abstract/100/24/14385>

Drapeau, E., Montaron, M.-F., Aguerre, S., & Abrous, D. N. (2007). Learning-Induced Survival of New Neurons Depends on the Cognitive Status of Aged Rats. *Journal of Neuroscience*, 27(22), 6037-6044. doi: 10.1523/jneurosci.1031-

07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/22/6037>

Drew, C. J. G., O'Reilly, K. C., Lane, M. A., & Bailey, S. J. (2011). Chronic administration of 13-< i> cis-retinoic acid does not alter the number of serotonergic neurons in the mouse raphe nuclei. *Neuroscience*, 172, 66-73. doi.

Dribben, W. H., Creeley, C. E., Wang, H. H., Smith, D. J., Farber, N. B., Olney, J. W., & others. (2009). High dose magnesium sulfate exposure induces apoptotic cell death in the developing neonatal mouse brain. *Neonatology*, 96(1), 23-32. doi.

Drinkut, A., Tereshchenko, Y., Schulz, J. B., Bähr, M., & Kügler, S. (2011). Efficient Gene Therapy for Parkinson's Disease Using Astrocytes as Hosts for Localized Neurotrophic Factor Delivery. *Molecular Therapy*. doi.

Drinkut, A., Tillack, K., Meka, D. P., Schulz, J. B., Kugler, S., & Kramer, E. R. (2016). Ret is essential to mediate GDNF/'s neuroprotective and neuroregenerative effect in a Parkinson disease mouse model. [Original Article]. *Cell Death Dis*, 7, e2359. doi: 10.1038/cddis.2016.263. <http://dx.doi.org/10.1038/cddis.2016.263>

Driscoll, I., Howard, S. R., Stone, J. C., Monfils, M. H., Tomanek, B., Brooks, W. M., & Sutherland, R. J. (2006). The aging hippocampus: a multi-level analysis in the rat. *Neuroscience*, 139(4), 1173-1185. doi.

Drobyshevsky, A., Jiang, R., Derrick, M., Luo, K., & Tan, S. (2014). Functional correlates of central white matter maturation in perinatal period in rabbits. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.06.021>. <http://www.sciencedirect.com/science/article/pii/S0014488614002179>

Drobyshevsky, A., & Quinlan, K. A. (2017). Spinal cord injury in hypertonic newborns after antenatal hypoxia-ischemia in a rabbit model of cerebral palsy. *Experimental Neurology*, 293, 13-26.

doi: <http://dx.doi.org/10.1016/j.expneurol.2017.03.017>. <http://www.sciencedirect.com/science/article/pii/S0014488617300778>

Drobyshevsky, A., Takada, S. H., Luo, K., Derrick, M., Yu, L., Quinlan, K. A., . . . Tan, S. (2014). Elevated spinal monoamine neurotransmitters after antenatal hypoxia-ischemia in rabbit cerebral palsy model. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.12997. <http://dx.doi.org/10.1111/jnc.12997>

Drost, N., Houtman, J., Cseresnyés, Z., Niesner, R., Rinnenthal, J.-L., Miller, K. R., . . . Heppner, F. L. (2020). The Amyloid-beta rich CNS environment alters myeloid cell functionality independent of their origin. *Scientific Reports*, 10(1), 7152. doi: 10.1038/s41598-020-63989-

3. <https://doi.org/10.1038/s41598-020-63989-3>

Drouin-Ouellet, J., Brownell, A.-L., Saint-Pierre, M., Fasano, C., Emond, V., Trudeau, L.-E., . . . Cicchetti, F. (2011). Neuroinflammation is associated with changes in glial mGluR5 expression and the development of neonatal excitotoxic lesions. *Glia*, 59(2), 188-199. doi: 10.1002/glia.21086. <http://dx.doi.org/10.1002/glia.21086>

Drouin-Ouellet, J., Gibrat, C., Bousquet, M., Calon, F., Kriz, J., & Cicchetti, F. (2011). The role of the MYD88-dependent pathway in MPTP-induced brain dopaminergic degeneration.

Journal of neuroinflammation, 8(1), 137-137. doi.

Drouin-Ouellet, J., Sawiak, S. J., Cisbani, G., Lagacé, M., Kuan, W.-L., Saint-Pierre, M., . . . Cicchetti, F. (2015). Cerebrovascular and blood-brain barrier impairments in Huntington's disease: Potential implications for its pathophysiology. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24406. <http://dx.doi.org/10.1002/ana.24406>

Drury, P. P., Davidson, J. O., Mathai, S., van den Heuvel, L. G., Ji, H., Bennet, L., . . . Gunn, A. J. (2014). nNOS inhibition during profound asphyxia reduces seizure burden and improves survival of striatal phenotypic neurons in preterm fetal sheep. *Neuropharmacology*.

doi: <http://www.sciencedirect.com/science/article/pii/S0028390814001221>

Drury, P. P., Davidson, J. O., van den Heuvel, L. G., Wassink, G., Gunn, E. R., Booth, L. C., . . . Gunn, A. J. (2014). Status Epilepticus after Prolonged Umbilical Cord Occlusion Is Associated with Greater Neural Injury Fetal Sheep at Term-Equivalent. *Plos one*, 9(5), e96530. doi: 10.1371/journal.pone.0096530. <http://dx.doi.org/10.1371%2Fjournal.pone.0096530>

Drzewiecki, C. M., Willing, J., & Juraska, J. M. (2016). Synaptic number changes in the medial prefrontal cortex across adolescence in male and female rats: A role for pubertal onset. *Synapse*, n/a-n/a. doi: 10.1002/syn.21909. <http://dx.doi.org/10.1002/syn.21909>

Du Preez, A., Law, T., Onorato, D., Lim, Y. M., Eiben, P., Musaelyan, K., . . . Fernandes, C. (2020). The type of stress matters: repeated injection and permanent social isolation stress in male mice have a differential effect on anxiety- and depressive-like behaviours, and associated biological alterations. *Translational Psychiatry*, 10(1), 325. doi: 10.1038/s41398-020-01000-

3. <https://doi.org/10.1038/s41398-020-01000-3>

Du, R.-H., Sun, H.-B., Hu, Z.-L., Lu, M., Ding, J.-H., & Hu, G. (2018). Kir6.1/K-ATP channel modulates microglia phenotypes: implication in Parkinson's disease. *Cell death & disease*, 9(3), 404. doi: 10.1038/s41419-018-0437-9. <https://doi.org/10.1038/s41419-018-0437-9>

Du, R.-H., Wu, F.-F., Lu, M., Shu, X.-d., Ding, J.-H., Wu, G., & Hu, G. (2016). Uncoupling protein 2 modulation of the NLRP3 inflammasome in astrocytes and its implications in depression.

Redox Biology, 9, 178-187.

doi: <http://dx.doi.org/10.1016/j.redox.2016.08.006>. <http://www.sciencedirect.com/science/article/pii/S2213231716301033>

Du, X., Fleiss, B., Li, H., D'Angelo, B., Sun, Y., Zhu, C., . . . Wang, X. (2011). Systemic stimulation of TLR2 impairs neonatal mouse brain development. *PLoS ONE*, 6(5), e19583-e19583. doi.

Du, Y., & Grace, A. A. (2016). Loss of parvalbumin in the hippocampus of MAM schizophrenia model rats is attenuated by peripubertal diazepam. [10.1093/ijnp/pyw065]. *International Journal of Neuropsychopharmacology*.

doi. <http://ijnp.oxfordjournals.org/content/early/2016/07/17/ijnp.pyw065.abst...>

Duan, S., Guan, X., Lin, R., Liu, X., Yan, Y., Lin, R., . . . Gu, H. (2015). Silibinin Inhibits Acetylcholinesterase Activity and A β Peptide Aggregation: A Dual-Target Drug for Alzheimer's Disease Treatment. *Neurobiology of Aging*, (0).

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.02.002>.

<http://www.sciencedirect.com/science/article/pii/S0197458015001025>

Dubinski, D., Won, S.-Y., Gessler, F., Quick-Weller, J., Behmanesh, B., Bernatz, S., . . . Senft, C. (2018). Dexamethasone-induced leukocytosis is associated with poor survival in newly diagnosed glioblastoma. [journal article]. *Journal of Neuro-Oncology*. doi: 10.1007/s11060-018-2761-4. <https://doi.org/10.1007/s11060-018-2761-4>

Dubroqua, S., Singer, P., Boison, D., Feldon, J., Möhler, H., & Yee, B. K. (2010). Impacts of forebrain neuronal glycine transporter 1 disruption in the senescent brain: Evidence for age- dependent phenotypes in Pavlovian learning. *Behavioral Neuroscience*, 124(6), 839-839. doi.

Duffy, M. F., Collier, T. J., Patterson, J. R., Kemp, C. J., Luk, K. C., Tansey, M. G., . . . Sortwell, C. E. (2018). Lewy body-like alpha-synuclein inclusions trigger reactive microgliosis prior to nigral degeneration. [journal article]. *Journal of neuroinflammation*, 15(1), 129. doi: 10.1186/s12974-018-1171-z. <https://doi.org/10.1186/s12974-018-1171-z>

Dufort-Gervais, J., Provost, C., Charbonneau, L., Norris, C. M., Calon, F., Mongrain, V., & Brouillette, J. (2020). Neuroligin-1 is altered in the hippocampus of Alzheimer's disease patients and mouse models, and modulates the toxicity of amyloid-beta oligomers. *Scientific Reports*, 10(1), 6956. doi: 10.1038/s41598-020-63255-6. <https://doi.org/10.1038/s41598-020-63255-6>

Dufour, B. D., & McBride, J. L. (2019). Normalizing glucocorticoid levels attenuates metabolic and neuropathological symptoms in the R6/2 mouse model of huntington's disease. *Neurobiology of Disease*, 121, 214-229.

doi: <https://doi.org/10.1016/j.nbd.2018.09.025>.

<http://www.sciencedirect.com/science/article/pii/S0969996118302031>

Dugger, B. N., Morris, J. A., Jordan, C. L., & Breedlove, S. M. (2007). Androgen receptors are required for full masculinization of the ventromedial hypothalamus (VMH) in rats. *Hormones and Behavior*, 51, 195-201. doi.

Dugger, B. N., Morris, J. A., Jordan, C. L., & Breedlove, S. M. (2008). Gonadal steroids regulate neural plasticity in the sexually dimorphic nucleus of the preoptic area of adult male and female rats. *Neuroendocrinology*, 88(1), 17-24. doi.

Dujardin, E., & Jurgens, U. (2006). Call type-specific differences in vocalization-related afferents to the periaqueductal gray of squirrel monkeys (*Saimiri sciureus*). *Behavioural Brain Research*, 168(1), 23-36. doi.

Dumitriu, D., Hao, J., Hara, Y., Kaufmann, J., Janssen, W. G. M., Lou, W., . . . Morrison, J. H. (2010). Selective Changes in Thin Spine Density and Morphology in Monkey Prefrontal Cortex Correlate with Aging-Related Cognitive Impairment. *Journal of Neuroscience*, 30(22), 7507-7515. doi: 10.1523/jneurosci.6410-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/22/7507>

Dumont, M., Ho, D. J., Calingasan, N. Y., Xu, H., Gibson, G., & Beal, M. F. (2009). Mitochondrial dihydrolipoyl succinyltransferase deficiency accelerates amyloid pathology and memory deficit in a transgenic mouse model of amyloid deposition. *Free Radical Biology and Medicine*, 47(7), 1019-1027. doi.

Dumont, M., Kipiani, K., Yu, F., Wille, E., Katz, M., Calingasan, N. Y., . . . Beal, M. F. (2011). Coenzyme Q10 Decreases Amyloid Pathology and Improves Behavior in a Transgenic Mouse Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*. doi.

Dumont, M., Stack, C., Elipenhali, C., Jainuddin, S., Gerges, M., Starkova, N. N., . . . Beal, F. (2011). Behavioral deficit, oxidative stress, and mitochondrial dysfunction precede tau pathology in P301S transgenic mice. *Faseb Journal*, 25(11), 4063-4072. doi.

Dumont, M., Stack, C., Elipenhali, C., Calingasan, N. Y., Wille, E., & Beal, M. F. (2011). Apocynin administration does not improve behavioral and neuropathological deficits in a transgenic mouse model of Alzheimer's disease. *Neuroscience Letters*. doi.

Dumont, M., Wille, E., Calingasan, N. Y., Tampellini, D., Williams, C., Gouras, G. K., . . . Lin, M. T. (2009). Triterpenoid CDDO-methylamide improves memory and decreases amyloid plaques in a transgenic mouse model of Alzheimer's disease. *Journal of Neurochemistry*, 109(2), 502-512. doi.

Dumont, M., Wille, E., Stack, C., Calingasan, N. Y., Beal, M. F., & Lin, M. T. (2009). Reduction of oxidative stress, amyloid deposition, and memory deficit by manganese superoxide dismutase overexpression in a transgenic mouse model of Alzheimer's disease. *Faseb Journal*, 23(8), 2459-2459. doi.

Dunham, K. A., Siriphorn, A., Chompoopong, S., & Floyd, C. L. (2010). Characterization of a graded cervical hemiconfusion spinal cord injury model in adult male rats. *Journal of Neurotrauma*, 27(11), 2091-2106. doi.

Dunn, A. R., Hoffman, C. A., Stout, K. A., Ozawa, M., Dhamsania, R. K., & Miller, G. W. (2018). Immunochemical Analysis Of The Expression Of Sv2c In Mouse, Macaque And Human Brain. *Brain Research*. doi: <https://doi.org/10.1016/j.brainres.2017.12.029>. <https://www.sciencedirect.com/science/article/pii/S0006899317305619>

Dunn, J. F., Wu, Y., Zhao, Z., Srinivasan, S., & Natah, S. S. (2012). Training the Brain to Survive Stroke. *Plos one*, 7(9), e45108. doi: 10.1371/journal.pone.0045108. <http://dx.doi.org/10.1371%2Fjournal.pone.0045108>

Dupret, D., Revest, J. M., Koehl, M., Ichas, F., De Giorgi, F., Costet, P., . . . Piazza, P. V. (2008). Spatial relational memory requires hippocampal adult neurogenesis. *PLoS ONE*, 3(4), e1959- e1959. doi.

Dupuy, J. M., Ostacher, M. J., Huffman, J., Perlis, R. H., & Nierenberg, A. A. (2011). A critical review of pharmacotherapy for major depressive disorder. *International Journal of Neuropsychopharmacology*, 14(10), 1417-1431. doi: doi:10.1017/S1461145711000083. <http://dx.doi.org/10.1017/S1461145711000083>

Duque, A., Coman, D., Carlyle, B. C., Bordner, K. A., George, E. D., Papademetris, X., . . . Simen, A. A. (2011). Neuroanatomical changes in a mouse model of early life neglect. *Brain Structure and Function*, 1-14. doi.

Duque, A., Gazula, V.-R., & Kaczmarek, L. K. (2013). Expression of Kv1.3 potassium channels regulates density of cortical interneurons. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22105. <http://dx.doi.org/10.1002/dneu.22105>

Duque, A., & Rakic, P. (2011). Different Effects of Bromodeoxyuridine and [3H]Thymidine Incorporation into DNA on Cell Proliferation, Position, and Fate. *Journal of Neuroscience*, 31(42), 15205-15217. doi: 10.1523/jneurosci.3092-11.2011. <http://www.jneurosci.org/content/31/42/15205.abstract>

Duran, C., Aydinli, B., Tokat, Y., Yuzer, Y., Kantarci, M., Akgun, M., . . . Atamanalp, S. S. (2007). Stereological evaluation of liver volume in living donor liver transplantation using MDCT via the Cavalieri method. *Liver transplantation*, 13(5), 693-698. doi.

Durazzo, A., Morris, J. A., Breedlove, S. M., & Jordan, C. L. (2007). Effects of the testicular feminization mutation (tfm) of the androgen receptor gene on BSTMPM volume and morphology in rats. *Neuroscience Letters*, 419, 168-171. doi.

Durmuş, B., Aytül, K., & Sıla, C. (2018). Morphology and quantification of sheep pineal glands at pre-pubertal, pubertal and post-pubertal periods. *Anatomia, Histologia, Embryologia*, 0(0). doi: doi:10.1111/ahe.12359. <https://onlinelibrary.wiley.com/doi/abs/10.1111/ahe.12359>

Durmuşlar, M. C., Ballı, U., Türer, A., Önger, M. E., & Çelik, H. H. (2016). Radiological and Stereological Evaluation of the Effect of Rifampin on Bone Healing in Critical-Size Defects. *Journal of Craniofacial Surgery*, 27(6), 1481-1485. doi: 10.1097/scs.0000000000002762. http://journals.lww.com/jcraniofacialsurgery/Fulltext/20_16/09000/Radiolo...

Durmuşlar, M. C., Türer, A., Ballı, U., Yılmaz, Z., Önger, M. E., Çelik, H. H., & Vatansever, A. (2016). The effect of infliximab on bone healing in osteoporotic rats. *European Journal of Inflammation*. doi: 10.1177/1721727x16636889. http://ej.sagepub.com/content/early/2016/03/04/1721727X1_6636889.abstract

Dursun, H., Albayrak, F., Uyanik, A., Keleş, N. O., Beyzagül, P., Bayram, E., . . . Ünal, B. (2010). Effects of hypertension and ovariectomy on rat hepatocytes. Are amlodipine and lacidipine protective?(A stereological and histological study). *Turkish Journal of Gastroenterology*, 21(4), 387-395. doi.

Dursun, İ., Jakubowska-Doğru, E., Elibol-Can, B., van der List, D., Chapman, B., Qi, L., & Berman, R. F. (2013). Effects of early postnatal alcohol exposure on the developing retinogeniculate projections in C57BL/6 mice. *Alcohol*, (0). doi: <http://dx.doi.org/10.1016/j.alcohol.2012.12.013>. <http://www.sciencedirect.com/science/article/pii/S0741832912002108>

Dursun, İ., Jakubowska-Doğru, E., van der List, D., Liets, L. C., Coombs, J. L., & Berman, R. F. (2011). Effects of Early Postnatal Exposure to Ethanol on Retinal Ganglion Cell Morphology and Numbers of Neurons in the Dorsolateral Geniculate in Mice. *Alcoholism: Clinical and Experimental Research*. doi.

Dusonchet, J., Kochubey, O., Stafa, K., Young, S. M., Jr, Zufferey, R., Moore, D. J., . . . Aebischer, P. (2011). A Rat Model of Progressive Nigral Neurodegeneration Induced by the Parkinson's Disease-Associated G2019S Mutation in LRRK2. *Journal of Neuroscience*, 31(3), 907-912. doi: 10.1523/jneurosci.5092-10.2011. <http://www.jneurosci.org/cgi/content/abstract/31/3/907>

Duthie, M. S., Pena, M. T., Ebenezer, G. J., Gillis, T. P., Sharma, R., Cunningham, K., . . . Reed, S. G. (2018). LepVax, a defined subunit vaccine that provides effective pre-exposure and post- exposure prophylaxis of *M. leprae* infection. *npj Vaccines*, 3(1), 12. doi: 10.1038/s41541-018- 0050-z. <https://doi.org/10.1038/s41541-018-0050-z>

Dutta, D., Kundu, M., Mondal, S., Roy, A., Ruehl, S., Hall, D. A., & Pahan, K. (2019). RANTES- induced invasion of Th17 cells into substantia nigra potentiates dopaminergic cell loss in MPTP mouse model of Parkinson's disease. *Neurobiology of Disease*, 132, 104575. doi: <https://doi.org/10.1016/j.nbd.2019.104575>. <http://www.sciencedirect.com/science/article/pii/S0969996119302438>

Dutta, R. R., Taffe, M. A., & Mandyam, C. D. (2018). Chronic administration of amphetamines disturbs development of neural progenitor cells in young adult nonhuman primates. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. doi: <https://doi.org/10.1016/j.pnpbp.2018.03.023>. <http://www.sciencedirect.com/science/article/pii/S0278584617307984>

Dwyer, T. A., Servatius, R. J., & Pang, K. C. H. (2007). Noncholinergic Lesions of the Medial Septum Impair Sequential Learning of Different Spatial Locations. *Journal of Neuroscience*, 27(2), 299-303. doi: 10.1523/jneurosci.4189-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/2/299>

Dwyer, Z., Chaquin, M., Landrigan, J., Ayoub, K., Shail, P., Rocha, J., . . . Hayley, S. (2021). The impact of dextran sodium sulphate and probiotic pre-treatment in a murine model of Parkinson's disease. *Journal of neuroinflammation*, 18(1), 20. doi: 10.1186/s12974-020-02062-2. <https://doi.org/10.1186/s12974-020-02062-2>

Dwyer, Z., Rudyk, C., Thompson, A., Farmer, K., Fenner, B., Fortin, T., . . . Hayley, S. (2020). Leucine rich repeat kinase-2 (LRRK2) modulates microglial phenotype and dopaminergic neurodegeneration. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2020.02.017>.
<http://www.sciencedirect.com/science/article/pii/S0197458020300506>

Dyck, S., Kataria, H., Akbari-Kelachayeh, K., Silver, J., & Karimi-Abdolrezaee, S. (2018). LAR and PTP σ receptors are negative regulators of oligodendrogenesis and oligodendrocyte integrity in spinal cord injury. *Glia*, 0(0). doi: 10.1002/glia.23533. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23533>

Dyck, S. M., Alizadeh, A., Santhosh, K. T., Proulx, E. H., Wu, C.-L., & Karimi-Abdolrezaee, S. (2015). Chondroitin Sulfate Proteoglycans Negatively Modulate Spinal Cord Neural Precursor Cells by Signaling through LAR and RPTP σ and modulation of the Rho/ROCK Pathway. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1979.
<http://dx.doi.org/10.1002/stem.1979>

Dziewczapolski, G., Lie, D. C., Ray, J., Gage, F. H., & Shults, C. W. (2003). Survival and differentiation of adult rat-derived neural progenitor cells transplanted to the striatum of hemiparkinsonian rats. *Experimental Neurology*, 183(2), 653-664. doi: 10.1006/exnr.2003.0011

E. Counts, S., E. Perez, S., He, B., & J. Mufson, E. (2014). Intravenous Immunoglobulin Reduces Tau Pathology and Preserves Neuroplastic Gene Expression in the 3xTg Mouse Model of Alzheimer's Disease. *Current Alzheimer Research*, 11(7), 655-663. doi: <http://www.ingentaconnect.com/content/ben/car/2014/00000011/00000007/art...>

Ear, P. H., Chadda, A., Gumusoglu, S. B., Schmidt, M. S., Vogeler, S., Malicoat, J., . . . Brenner, C. (2019). Maternal Nicotinamide Riboside Enhances Postpartum Weight Loss, Juvenile Offspring Development, and Neurogenesis of Adult Offspring. *Cell Reports*, 26(4), 969- 983.e964. doi: <https://doi.org/10.1016/j.celrep.2019.01.007>.
<http://www.sciencedirect.com/science/article/pii/S221124719300154>

Earley, C. J., Allen, R. P., Connor, J. R., Ferrucci, L., & Troncoso, J. (2009). The dopaminergic neurons of the A11 system in RLS autopsy brains appear normal. *Sleep medicine*, 10(10), 1155-1157. doi: 10.1016/j.smrv.2009.08.001

Eaton, J. L., Roache, L., Nguyen, K. N., Cushing, B. S., Troyer, E., Papademetriou, E., & Raghanti, M. A. (2011). Organizational effects of oxytocin on serotonin innervation. *Developmental Psychobiology*. doi: 10.1002/dev.21411

Eaton, M. J., Wolfe, S. Q., Martinez, M., Hernandez, M., Furst, C., Huang, J., . . . Gomez-Marín, O. (2007). Subarachnoid transplant of a human neuronal cell line attenuates chronic allodynia and hyperalgesia after excitotoxic spinal cord injury in the rat. *Journal of Pain*, 8(1), 33-50. doi: 10.1016/j.pain.2006.09.001

Ebenezer, G. J., Liu, Y., Judge, D. P., Cunningham, K., Truelove, S., Carter, N. D., . . . Polydefkis, M. (2017). Cutaneous nerve biomarkers in transthyretin familial amyloid polyneuropathy. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24972.
<http://dx.doi.org/10.1002/ana.24972>

Ebenezer, G. J., McArthur, J. C., Polydefkis, M., Dorsey, J. L., O'Donnell, R., Hauer, P., . . . Mankowski, J. L. (2012). SIV-induced impairment of neurovascular repair: a potential role for VEGF. *Journal of Neurovirology*, 1-9. doi.

Ebenezer, G. J., O'Donnell, R., Hauer, P., Cimino, N. P., McArthur, J. C., & Polydefkis, M. (2011). Impaired neurovascular repair in subjects with diabetes following experimental intracutaneous axotomy. *Brain*, 134(6), 1853-1863. doi: 10.1093/brain/awr086. <http://brain.oxfordjournals.org/cgi/content/abstract/134/6/1853>

Eberhart, C. G., Kepner, J. L., Goldthwaite, P. T., Kun, L. E., Duffner, P. K., Friedman, H. S., . . . Burger, P. C. (2002). Histopathologic grading of medulloblastomas. *Cancer*, 94(2), 552-560. doi.

Ebert, A. D., Barber, A. E., Heins, B. M., & Svendsen, C. N. (2010). Ex vivo delivery of GDNF maintains motor function and prevents neuronal loss in a transgenic mouse model of Huntington's disease. *Experimental Neurology*, 224(1), 155-162. doi.

Eckart, M. T., Huelse-Matia, M. C., & Schwarting, R. K. W. (2011). Dorsal hippocampal lesions boost performance in the rat sequential reaction time task. *Hippocampus*. doi.

Eckert, J. M., Byer, S. J., Clodfelder-Miller, B. J., & Carroll, S. L. (2009). Neuregulin-1 β and neuregulin-1 α differentially affect the migration and invasion of malignant peripheral nerve sheath tumor cells. *Glia*, 57(14), 1501-1520. doi.

Edalatmanesh, M. A., Nikfarjam, H., Vafaei-Bagheri, F., & Moghadas, M. (2013). Increased hippocampal cell density and enhanced spatial memory in the valproic acid rat model of autism. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2013.06.024>. <http://www.sciencedirect.com/science/article/pii/S0006899313008913>

Edinger, A. L., & Thompson, C. B. (2002). Akt maintains cell size and survival by increasing mTOR-dependent nutrient uptake. *Molecular Biology of the Cell*, 13. doi: 10.1091/mbc.01-12-0584. <http://dx.doi.org/10.1091/mbc.01-12-0584>

Edler, M. K., Munger, E. L., Meindl, R. S., Hopkins, W. D., Ely, J. J., Erwin, J. M., . . . Raghanti, M. A. (2020). Neuron loss associated with age but not Alzheimer's disease pathology in the chimpanzee brain. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 375(1811), 20190619. doi: 10.1098/rstb.2019.0619. <https://doi.org/10.1098/rstb.2019.0619>

Edler, M. K., Sherwood, C. C., Meindl, R. S., Hopkins, W. D., Ely, J. J., Erwin, J. M., . . . Raghanti, M. A. (2017). Aged chimpanzees exhibit pathologic hallmarks of Alzheimer's disease. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2017.07.006>. <http://www.sciencedirect.com/science/article/pii/S0197458017302397>

Egami, K., Yitta, S., Kasim, S., Lewers, J. C., Roberts, R. C., Lehar, M., & Jinnah, H. A. (2007). Basal ganglia dopamine loss due to defect in purine recycling. *Neurobiology of Disease*, 26, 396-407. doi.

Egawa, N., Yamamoto, K., Inoue, H., Hikawa, R., Nishi, K., Mori, K., & Takahashi, R. (2011). The Endoplasmic Reticulum Stress Sensor, ATF6 α , Protects against Neurotoxin-induced Dopaminergic Neuronal Death. *Journal of Biological Chemistry*, 286(10), 7947-7957. doi: 10.1074/jbc.M110.156430. <http://www.jbc.org/content/286/10/7947.abstract>

Egeland, M., Guinaudie, C., Du Preez, A., Musaelyan, K., Zunszain, P. A., Fernandes, C., . . . Thuret, S. (2017). Depletion of adult neurogenesis using the chemotherapy drug temozolomide in mice induces behavioural and biological changes relevant to depression. [Original Article]. *Transl Psychiatry*, 7, e1101. doi: 10.1038/tp.2017.68. <http://dx.doi.org/10.1038/tp.2017.68>

Egginton, S., & Hudlická, O. (1999). Early changes in performance, blood flow and capillary fine structure in rat fast muscles induced by electrical stimulation. *Journal of Physiology*, 515, 265-275. doi.

Ehara, A., Nakadate, K., Sugimoto, H., Yoshimoto, K., & Ueda, S. (2018). Role of neuronal nitric oxide synthase in slowly progressive dopaminergic neurodegeneration in the Zitter rat. *Nitric Oxide*, 78, 41-50. doi: <https://doi.org/10.1016/j.niox.2018.05.007>. <http://www.sciencedirect.com/science/article/pii/S1089860318300673>

Ehninger, D., & Kempermann, G. (2003). Regional Effects of Wheel Running and Environmental Enrichment on Cell Genesis and Microglia Proliferation in the Adult Murine Neocortex Cerebral Cortex, 13(8), 845-851. doi.

Ehrenberg, A. J., Nguy, A. K., Theofilas, P., Dunlop, S., Suemoto, C. K., Alho, A. T. D. L., . . . Grinberg, L. T. (2017). Quantifying the accretion of hyperphosphorylated tau in the locus coeruleus and dorsal raphe nucleus: the pathological building blocks of early Alzheimer's Disease. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12387. <http://dx.doi.org/10.1111/nan.12387>

Eid, L., Champigny, M.-F., Parent, A., & Parent, M. (2013). Quantitative and ultrastructural study of serotonin innervation of the globus pallidus in squirrel monkeys. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12164. <http://dx.doi.org/10.1111/ejn.12164>

Eid, L., Parent, A., & Parent, M. (2014). Asynaptic feature and heterogeneous distribution of the cholinergic innervation of the globus pallidus in primates. *Brain Structure and Function*, 1-17. doi. <http://link.springer.com/article/10.1007/s00429-014-0960-0/fulltext.html>

Eisele, Y. S., Fritsch, S. K., Hamaguchi, T., Obermüller, U., Föger, P., Skodras, A., . . . Staufenbiel, M. (2014). Multiple Factors Contribute to the Peripheral Induction of Cerebral β - Amyloidosis. *The Journal of Neuroscience*, 34(31), 10264-10273. doi. <http://www.jneurosci.org/content/34/31/10264.short>

Eiting, T. P., Smith, T. D., & Dumont, E. R. (2014). Olfactory Epithelium in the Olfactory Recess: A Case Study in New World Leaf-Nosed Bats. *The Anatomical Record*, 297(11), 2105-2112. doi: 10.1002/ar.23030. <http://dx.doi.org/10.1002/ar.23030>

Ek, C. J., Habgood, M. D., Callaway, J. K., Dennis, R., Dziegielewska, K. M., Johansson, P. A., . . . Saunders, N. R. (2010). Spatio-temporal progression of grey and white matter damage following contusion injury in rat spinal cord. *PLoS ONE*, 5(8), e12021-e12021. doi:

Ek, C. J., Habgood, M. D., Dennis, R., Dziegielewska, K. M., Mallard, C., Wheaton, B., & Saunders, N. R. (2012). Pathological Changes in the White Matter after Spinal Contusion Injury in the Rat. *Plos one*, 7(8), e43484. doi:

El Massri, N., Cullen, K. M., Stefani, S., Moro, C., Torres, N., Benabid, A.-L., & Mitrofanis, J. (2018). Evidence for encephalopsin immunoreactivity in interneurons and striosomes of the monkey striatum. [journal article]. *Experimental Brain Research*. doi: 10.1007/s00221-018- 5191-9. <https://doi.org/10.1007/s00221-018-5191-9>

El Massri, N., Johnstone, D. M., Peoples, C. L., Moro, C., Reinhart, F., Torres, N., . . . Mitrofanis, J. (2014). The effect of different doses of near infrared light on dopaminergic cell survival and gliosis in MPTP-treated mice. *International Journal of Neuroscience*, 0(ja), 1-20. doi: doi:10.3109/00207454.2014.994063. <http://informahealthcare.com/doi/abs/10.3109/00207454.2014.994063>

El Massri, N., Lemgruber, A. P., Rowe, I. J., Moro, C., Torres, N., Reinhart, F., . . . Mitrofanis, J. (2017). Photobiomodulation-induced changes in a monkey model of Parkinson's disease: changes in tyrosine hydroxylase cells and GDNF expression in the striatum. [journal article]. *Experimental Brain Research*, 1-14. doi: 10.1007/s00221-017-4937-0. <http://dx.doi.org/10.1007/s00221-017-4937-0>

El Massri, N., Moro, C., Torres, N., Darlot, F., Agay, D., Chabrol, C., . . . Mitrofanis, J. (2016). Near- infrared light treatment reduces astrogliosis in MPTP-treated monkeys. [journal article]. *Experimental Brain Research*, 1-8. doi: 10.1007/s00221-016-4720-7. <http://dx.doi.org/10.1007/s00221-016-4720-7>

El Massri, N., Weinrich, T. W., Kam, J. H., Jeffery, G., & Mitrofanis, J. (2018). Photobiomodulation reduces gliosis in the basal ganglia of aged mice. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2018.02.019>. <http://www.sciencedirect.com/science/article/pii/S0197458018300630>

El-Agnaf, O., Overk, C., Rockenstein, E., Mante, M., Florio, J., Adame, A., . . . Rissman, R. A. (2017). Differential effects of immunotherapy with antibodies targeting α -synuclein oligomers and fibrils in a transgenic model of synucleinopathy. *Neurobiology of Disease*, 104, 85-96. doi: <https://doi.org/10.1016/j.nbd.2017.05.002>. <http://www.sciencedirect.com/science/article/pii/S0969996117301055>

Eldredge, L. C., Gao, X. M., Quach, D. H., Li, L., Han, X., Lomasney, J., & Tourtellotte, W. G. (2008). Abnormal sympathetic nervous system development and physiological dysautonomia in Egr3-deficient mice. *Development*, 135(17), 2949-2957. doi: 10.1242/dev.023960. <http://dev.biologists.org/cgi/content/abstract/135/17/2949>

El-Feky, G. S., El-Banna, S. T., El-Bahy, G. S., Abdelrazek, E. M., & Kamal, M. (2017). Alginate coated chitosan nanogel for the controlled topical delivery of Silver sulfadiazine. *Carbohydrate Polymers*.

doi: <http://dx.doi.org/10.1016/j.carbpol.2017.08.104>. <http://www.sciencedirect.com/science/article/pii/S0144861717309803>

El-Gohary, Y., Sims-Lucas, S., Lath, N., Tulachan, S., Guo, P., Xiao, X., . . . Gittes, G. K. (2012). Three-Dimensional Analysis of the Islet Vasculature. *The Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, n/a-n/a. doi:

10.1002/ar.22530. <http://dx.doi.org/10.1002/ar.22530>

El-Gohary, Y., Tulachan, S., Branca, M., Sims-Lucas, S., Guo, P., Prasad, K., . . . Gittes, G. K. (2012). Whole-Mount Imaging Demonstrates Hypervascularity of the Pancreatic Ducts and Other Pancreatic Structures. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 295(3), 465-473. doi:

10.1002/ar.22420. <http://dx.doi.org/10.1002/ar.22420>

El-Gohary, Y., Tulachan, S., Guo, P., Welsh, C., Wiersch, J., Prasad, K., . . . Gittes, G. (2013). Smad signaling pathways regulate pancreatic endocrine development. *Developmental Biology*, (0).

doi: <http://dx.doi.org/10.1016/j.ydbio.2013.04.003>.

<http://www.sciencedirect.com/science/article/pii/S0012160613001723>

El-Gohary, Y., Tulachan, S., Wiersch, J., Guo, P., Welsh, C., Prasad, K., . . . Gittes, G. (2013). A smad signaling network regulates islet cell proliferation. *Diabetes*. doi: 10.2337/db13-0432.

<http://diabetes.diabetesjournals.org/content/early/2013/09/23/db13-0432....>

ElHak, S. G., Ghanem, A. A., Abdelghaffar, H., ElDakrouy, S., ElTantawy, D., ElDosouky, S., & Salama, M. (2010). The role of pramipexole in a severe Parkinson's disease model in mice. *Therapeutic Advances in Neurological Disorders*, 3(6), 333-337. doi:

Elbol-Can, B., Dursun, I., Telkes, I., Kilic, E., Canan, S., & Jakubowska-Dogru, E. (2013). Examination of age-dependent effects of fetal ethanol exposure on behavior, hippocampal cell counts, and doublecortin immunoreactivity in rats. *Developmental Neurobiology*, n/a- n/a. doi: 10.1002/dneu.22143. <http://dx.doi.org/10.1002/dneu.22143>

Elipenahli, C., Stack, C., Jainuddin, S., Gerges, M., Yang, L., Starkov, A., . . . Dumont, M. (2011). Behavioral Improvement after Chronic Administration of Coenzyme Q10 in P301S Transgenic Mice. *Journal of Alzheimer's Disease*. doi:

Elliott, K. C., Wu, W., Bertram, R., & Johnson, F. (2013). Disconnection of a basal ganglia circuit in juvenile songbirds attenuates THE SPECTRAL differentiation of SONG syllables.

Developmental Neurobiology, n/a-n/a. doi:

10.1002/dneu.22151. <http://dx.doi.org/10.1002/dneu.22151>

Ellwardt, E., Pramanik, G., Luchtman, D., Novkovic, T., Jubal, E. R., Vogt, J., . . . Stroh, A. (2018). Maladaptive cortical hyperactivity upon recovery from experimental autoimmune encephalomyelitis. *Nature Neuroscience*, 21(10), 1392-1403. doi: 10.1038/s41593-018-0193-0193-

2. <https://doi.org/10.1038/s41593-018-0193-2>

Elsayed, M., Banasr, M., Duric, V., Fournier, N. M., Licznarski, P., & Duman, R. S. (2012). Antidepressant Effects of Fibroblast Growth Factor-2 in Behavioral and Cellular Models of Depression. *Biological Psychiatry*. doi.

Elser, B. A., Kayali, K., Dhakal, R., O'Hare, B., Wang, K., Lehmler, H.-J., & Stevens, H. E. (2020). Combined maternal exposure to cypermethrin and stress affect embryonic brain and placental outcomes in mice. *Toxicological Sciences*. doi: 10.1093/toxsci/kfaa040. <https://doi.org/10.1093/toxsci/kfaa040>

Elsworth, J. D., Jentsch, J. D., VandeVoort, C. A., Roth, R. H., Jr, D. E. R., & Leranath, C. (2013). Prenatal exposure to bisphenol A impacts midbrain dopamine neurons and hippocampal spine synapses in non-human primates. *Neurotoxicology*, (0). doi: <http://dx.doi.org/10.1016/j.neuro.2013.01.001>. <http://www.sciencedirect.com/science/article/pii/S0161813X13000028>

Elsworth, J. D., Morrow, B. A., Hajszan, T., Leranath, C., & Roth, R. H. (2011). Phencyclidine- induced Loss of Asymmetric Spine Synapses in Rodent Prefrontal Cortex is Reversed by Acute and Chronic Treatment with Olanzapine. *Neuropsychopharmacology*. doi: <http://dx.doi.org/10.1038/npp.2011.96>

Elsworth, J. D., Redmond, D. E., Leranath, C., Bjugstad, K. B., Sladek, J. R., Collier, T. J., . . . Roth, R. H. (2008). AAV2-mediated gene transfer of GDNF to the striatum of MPTP monkeys enhances the survival and outgrowth of co-implanted fetal dopamine neurons. *Experimental Neurology*, 211(1), 252-258. doi.

Emborg, M. E., Hurley, S. A., Joers, V., Tromp, D. P. M., Swanson, C. R., Ohshima-Hosoyama, S., . . . Alexander, A. L. (2014). Titer and Product Affect the Distribution of Gene Expression after Intraputaminial Convection-Enhanced Delivery. *Stereotactic and Functional Neurosurgery*, 92(3), 182-194. doi: <http://www.karger.com/DOI/10.1159/000360584>

Emborg, M. E., Liu, Y., Xi, J., Zhang, X., Yin, Y., Lu, J., . . . Zhang, S.-C. (2013). Induced Pluripotent Stem Cell-Derived Neural Cells Survive and Mature in the Nonhuman Primate Brain. *Cell Reports*. doi.

Embury, C. M., Dyavarshetty, B., Lu, Y., Wiederin, J. L., Ciborowski, P., Gendelman, H. E., & Kiyota, T. (2016). Cathepsin B Improves β -Amyloidosis and Learning and Memory in Models of Alzheimer's Disease. [journal article]. *Journal of Neuroimmune Pharmacology*, 1-13. doi: 10.1007/s11481-016-9721-6. <http://dx.doi.org/10.1007/s11481-016-9721-6>

Emerich, D. F., Mooney, D. J., Storrie, H., Babu, R. S., & Kordower, J. H. (2010). Injectable hydrogels providing sustained delivery of vascular endothelial growth factor are neuroprotective in a rat model of Huntington's disease. *Neurotoxicity research*, 17(1), 66-74. doi.

Emerich, D. F., Thanos, C. G., Goddard, M., Skinner, S. J., Geany, M. S., Bell, W. J., . . . Kordower, J. H. (2006). Extensive neuroprotection by choroid plexus transplants in excitotoxin lesioned monkeys. *Neurobiology of Disease*, 2, 471-480. doi.

Emmrich, J., Neher, J., Boehm-Sturm, P., Endres, M., Dirnagl, U., & Harms, C. (2017). Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo) [version 1; referees: 1 approved] (Vol. 6).

Encinas, J. M., & Enikolopov, G. (2008). Identifying and quantitating neural stem and progenitor cells in the adult brain. *Methods in Cell Biology*, 85, 243-272. doi.

Endo, T., Kakeyama, M., Uemura, Y., Haijima, A., Okuno, H., Bito, H., & Tohyama, C. (2012). Executive Function Deficits and Social-Behavioral Abnormality in Mice Exposed to a Low Dose of Dioxin In Utero and via Lactation. *Plos one*, 7(12), e50741. doi: 10.1371/journal.pone.0050741. <http://dx.doi.org/10.1371%2Fjournal.pone.0050741>

Engesser-Cesar, C., Anderson, A. J., & Cotman, C. W. (2007). Wheel running and fluoxetine antidepressant treatment have differential effects in the hippocampus and the spinal cord. *Neuroscience*, 144(3), 1033-1044. doi.

Engesser-Cesar, C., Ichiyama, R. M., Nefas, A. L., Hill, M. A., Edgerton, V. R., Cotman, C. W., & Anderson, A. J. (2007). Wheel running following spinal cord injury improves locomotor recovery and stimulates serotonergic fiber growth. *European Journal of Neuroscience*, 25(7), 1931-1939. doi: doi:10.1111/j.1460-9568.2007.05469.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05469.x>

Engin, E., Zarnowska, E. D., Benke, D., Tsvetkov, E., Sigal, M., Keist, R., . . . Rudolph, U. (2015). Tonic Inhibitory Control of Dentate Gyrus Granule Cells by $\alpha 5$ -Containing GABAA Receptors Reduces Memory Interference. *The Journal of Neuroscience*, 35(40), 13698-13712. doi. <http://www.jneurosci.org/content/35/40/13698.abstract>

Engle, M. P., Merrill, M. A., de Prado, B. M., & Hammond, D. L. (2011). Spinal nerve ligation decreases γ -aminobutyric acidB receptors on specific populations of immunohistochemically-identified neurons in L5 dorsal root ganglion of the rat. *Journal of Comparative Neurology*. doi.

English, S. J., Diaz, J. A., Shao, X., Gordon, D., Bevard, M., Su, G., . . . Piert, M. (2014). Utility of 18 F-FDG and 11C-PBR28 microPET for the assessment of rat aortic aneurysm inflammation. *EJNMMI Research*, 4(1), 1-29. doi. <https://link.springer.com/article/10.1186/s13550-014-0020-z/fulltext.html>

English, S. J., Piert, M. R., Diaz, J. A., Gordon, D., Ghosh, A., D'Alecy, L. G., . . . Upchurch, G. R. J. (2015). Increased 18F-FDG Uptake Is Predictive of Rupture in a Novel Rat Abdominal Aortic Aneurysm Rupture Model. *Annals of Surgery*, Publish Ahead of Print, 10.1097/SLA.0000000000000602. doi. http://journals.lww.com/annalsurgery/Fulltext/publishahead/Increased_...

Enomoto, M., Bunge, M. B., & Tsoulfas, P. (2013). A multifunctional neurotrophin with reduced affinity to p75NTR enhances transplanted Schwann cell survival and axon growth after spinal cord injury. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.06.013>. <http://www.sciencedirect.com/science/article/pii/S0014488613001866>

Ensminger, A. L., & Fernández-Juricic, E. (2014). Individual Variation in Cone Photoreceptor Density in House Sparrows: Implications for Between-Individual Differences in Visual Resolution and Chromatic Contrast. *Plos one*, 9(11), e111854. doi: 10.1371/journal.pone.0111854. <http://dx.doi.org/10.1371%2Fjournal.pone.0111854>

Erbagci, H., Keser, M., Kervancioglu, S., & Kizilkan, N. (2012). Estimation of the brain stem volume by stereological method on magnetic resonance imaging. *Surgical and Radiologic Anatomy*, 1-6. doi.

Erbagci, H., Kizilkan, N., Ozbag, D., Erkilic, S., Kervancioglu, P., Canan, S., & Gumusburun, E. (2012). Post-Natal Growth in the Rat Pineal Gland: A Stereological Study. *Anatomia, Histologia, Embryologia*, n/a-n/a. doi: 10.1111/j.1439-0264.2012.01144.x. <http://dx.doi.org/10.1111/j.1439-0264.2012.01144.x>

Erdogan, M. S., Babacan, H., Kara, M. I., Gurler, B., Akgul, H., & Soyler, D. A. (2015). EFFECT OF CAPPARIS SPINOSA EXTRACT ON SUTURAL OSSIFICATION: A STEREOLOGICAL STUDY. *Archives of Oral Biology*. doi: 10.1016/j.archoralbio.2015.04.012. <http://dx.doi.org/10.1016/j.archoralbio.2015.04.012>

Erickson, S. L., & Lewis, D. A. (2002). Postnatal development of parvalbumin-and GABA transporter-immunoreactive axon terminals in monkey prefrontal cortex. *Journal of Comparative Neurology*, 448(2), 186-202. doi.

Eriksson, Y., Boström, M., Sandelius, Å., Blennow, K., Zetterberg, H., Kuhn, G., & Kalm, M. (2018). The anti-asthmatic drug, montelukast, modifies the neurogenic potential in the young healthy and irradiated brain. *Cell death & disease*, 9(7), 775. doi: 10.1038/s41419-018-0783-7. <https://doi.org/10.1038/s41419-018-0783-7>

Erion, J. R., Wosiski-Kuhn, M., Dey, A., Hao, S., Davis, C. L., Pollock, N. K., & Stranahan, A. M. (2014). Obesity Elicits Interleukin 1-Mediated Deficits in Hippocampal Synaptic Plasticity. *The Journal of Neuroscience*, 34(7), 2618-2631. doi: <http://www.jneurosci.org/content/34/7/2618.abstract>

Ermini, F. V., Grathwohl, S., Radde, R., Yamaguchi, M., Staufenbiel, M., Palmer, T. D., & Jucker, M. (2008). Neurogenesis and Alterations of Neural Stem Cells in Mouse Models of Cerebral Amyloidosis. *American Journal of Pathology*, 172(6), 1520-1528. doi: 10.2353/ajpath.2008.060520. <http://ajp.amjpathol.org/cgi/content/abstract/172/6/1520>

Ersoz, S., Mungan, S., Cobanoglu, U., Turgutalp, H., & Ozoran, Y. (2011). Prognostic importance of Claudin-1 and Claudin-4 expression in colon carcinomas. *Pathology-Research and Practice*. doi.

Escamilla, C. O., Filonova, I., Walker, A. K., Xuan, Z. X., Holehonnur, R., Espinosa, F., . . . Powell, C. M. (2017). Kctd13 deletion reduces synaptic transmission via increased RhoA. *Nature*, 551, 227. doi: 10.1038/nature24470

<https://www.nature.com/articles/nature24470#supplementary-information>. <http://dx.doi.org/10.1038/nature24470>

Escobar, C. M., Krajewski, S. J., Sandoval-Guzmán, T., Voytko, M. L., & Rance, N. E. (2004). Neuropeptide Y Gene Expression Is Increased in the Hypothalamus of Older Women. *Journal of Clinical Endocrinological Metabolism*, 89(5), 2338-2343. doi.

Eskow Jaunarajs, K. L., George, J. A., & Bishop, C. (2012). L-DOPA-induced dysregulation of extrastriatal dopamine and serotonin and affective symptoms in a bilateral rat model of Parkinson's disease. *Neuroscience*. doi.

Esnault, S., Rosenthal, L. A., Shen, Z. J., Sedgwick, J. B., Szakaly, R. J., Sorkness, R. L., & Malter, J. S. (2007). A critical role for Pin1 in allergic pulmonary eosinophilia in rats. *Journal of Allergy and Clinical Immunology*, 120(5), 1082-1088. doi.

Espadas, I., Darmopil, S., Vergaño-Vera, E., Ortiz, O., Oliva, I., Vicario-Abejón, C., . . . Moratalla, R. (2012). L-DOPA-induced increase in TH-immunoreactive striatal neurons in parkinsonian mice: Insights into regulation and function. *Neurobiology of Disease*, (o). doi: 10.1016/j.nbd.2012.07.012.

<http://www.sciencedirect.com/science/article/pii/S0969996112002537>

Espallergues, J., Teegarden, S. L., Veerakumar, A., Boulden, J., Challis, C., Jochems, J., . . . Berton, O. (2012). HDAC6 Regulates Glucocorticoid Receptor Signaling in Serotonin Pathways with Critical Impact on Stress Resilience. *Journal of Neuroscience*, 32(13), 4400- 4416. doi: 10.1523/jneurosci.5634-

11.2012. <http://www.jneurosci.org/content/32/13/4400.abstract>

Espinosa-Jeffrey, A., Arrazola, R., Chu, B., Taniguchi, A., Barajas, S., Bokhoor, P., . . . de Vellis, J. (2016). Take a look at the Recent articles. doi.

<http://www.oatext.com/Trophic-factors-intervention-regenerates-the-nesti...>

Estrada, L. I., Robinson, A. A., Amaral, A. C., Giannaris, E. L., Heyworth, N. C., Mortazavi, F., . . . Rosene, D. L. (2017). Evaluation of Long-Term Cryostorage of Brain Tissue Sections for Quantitative Histochemistry. *Journal of Histochemistry and Cytochemistry*, 0022155416686934. doi:

10.1369/0022155416686934. <http://dx.doi.org/10.1369/0022155416686934>

Ettle, B., Kerman, B. E., Valera, E., Gillmann, C., Schlachetzki, J. C. M., Reiprich, S., . . . Winkler, J. (2016). α -Synuclein-induced myelination deficit defines a novel interventional target for multiple system atrophy. [journal article]. *Acta Neuropathologica*, 1-17. doi: 10.1007/s00401-016-1572-y. <http://dx.doi.org/10.1007/s00401-016-1572-y>

Evans, S., Hicks, M., Rosenberg, J., Ricart Arbona, R., Foltin, R., Andrenyak, D., . . . Crystal, R. (2013). Partial Correction of the CNS Lysosomal Storage Defect in a Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis by Neonatal CNS Administration of AAV Serotype rh.10 Vector Expressing the Human CLN3 Gene. *Human Gene Therapy*, 29, 29.

doi. <http://www.ncbi.nlm.nih.gov/pubmed/24372003?dopt=Abstract>

Evonuk, K. S., Prabhu, S. D., Young, M. E., & DeSilva, T. M. (2016). Myocardial Ischemia/Reperfusion impairs neurogenesis and hippocampal-dependent learning and memory. *Brain, Behavior, and Immunity*.

doi: <http://dx.doi.org/10.1016/j.jbbi.2016.09.001>.
<http://www.sciencedirect.com/science/article/pii/S088915911630410X>

F., B. C., L., T., T., M., G., T., A., Y., M., B., . . . M., K. (2018). The effect of gadolinium-based contrast agents on rat testis. *Andrologia*, 0(0), e13031. doi: doi:10.1111/and.13031. <https://onlinelibrary.wiley.com/doi/abs/10.1111/and.13031>

Fabel, K., Fabel, K., Tam, B., Kaufer, D., Baiker, A., Simmons, N., . . . Palmer, T. D. (2003). VEGF is necessary for exercise-induced adult hippocampal neurogenesis. *European Journal of Neuroscience*, 18(10), 2803-2812. doi: <http://www.blackwell-synergy.com/links/doi/10.1111/j.1460-9568.2003.0304...>

Fack, F., Espedal, H., Keunen, O., Golebiewska, A., Obad, N., Harter, P. N., . . . Stuhr, L. (2014). Bevacizumab treatment induces metabolic adaptation toward anaerobic metabolism in glioblastomas. *Acta Neuropathologica*, 1-17. doi.

Fagel, D. M., Ganat, Y., Cheng, E., Silbereis, J., Ohkubo, Y., Ment, L. R., & Vaccarino, F. M. (2009). Fgfr1 Is Required for Cortical Regeneration and Repair after Perinatal Hypoxia. *Journal of Neuroscience*, 29(4), 1202-1211. doi: 10.1523/jneurosci.4516-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/4/1202>

Fagel, D. M., Ganat, Y., Silbereis, J., Ebbitt, T., Stewart, W., Zhang, H., . . . Vaccarino, F. M. (2006). Cortical neurogenesis enhanced by chronic perinatal hypoxia. *Experimental Neurology*, 199(1), 77-91. doi.

Fahimi, A., Baktir, M. A., Moghadam, S., Mojabi, F. S., Sumanth, K., McNerney, M. W., . . . Salehi, A. (2016). Physical exercise induces structural alterations in the hippocampal astrocytes: exploring the role of BDNF-TrkB signaling. [journal article]. *Brain Structure and Function*, 1-12. doi: 10.1007/s00429-016-1308-8. <http://dx.doi.org/10.1007/s00429-016-1308-8>

Fakira, A. K., Gaspers, L. D., Thomas, A. P., Li, H., Jain, M. R., & Elkabes, S. (2012). Purkinje cell dysfunction and delayed death in plasma membrane calcium ATPase 2-heterozygous mice. *Molecular and Cellular Neuroscience*, (0). doi: 10.1016/j.mcn.2012.07.001. http://www.sciencedirect.com/science/article/pii/S1044743112_001091

Falke, E., Han, L. Y., & Arnold, S. E. (2000). Absence of neurodegeneration in the thalamus and caudate of elderly patients with schizophrenia. *Psychiatry Research*, 93(2), 103-110. doi.

Falke, E., Nisanov, J., Mitchell, T. W., Bennett, D. A., Trojanowski, J. Q., & Arnold, S. E. (2003). Subicular Dendritic Arborization in Alzheimer's Disease Correlates with Neurofibrillary Tangle Density *American Journal of Pathology*, 163, 1615-1621. doi.

Fan, L., Hanbury, R., Pandey, S. C., & Cohen, R. S. (2008). Dose and time effects of estrogen on expression of neuron-specific protein and cyclic AMP response element-binding protein and brain region volume in the medial amygdala of ovariectomized rats. *Neuroendocrinology*, 88(2), 111-126. doi.

Fan, Y., Kong, H., Ye, X., Ding, J., & Hu, G. (2015). ATP-sensitive potassium channels: uncovering novel targets for treating depression. *Brain Structure and Function*, 1-12. doi: 10.1007/s00429-015-1090-z. <http://dx.doi.org/10.1007/s00429-015-1090-z>

Fan, Y., Liu, M., Wu, X., Wang, F., Ding, J., Chen, J., & Hu, G. (2011). Aquaporin-4 promotes memory consolidation in Morris water maze. *Brain Structure and Function*, 1-12. doi.

Fan, Y., Liu, Z., Weinstein, P. R., Fike, J. R., & Liu, J. (2007). Environmental enrichment enhances neurogenesis and improves functional outcome after cranial irradiation. *European Journal of Neuroscience*, 25(1), 38-46. doi: doi:10.1111/j.1460-9568.2006.05269.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.05269.x>

Fan, Z., Lu, M., Qiao, C., Zhou, Y., Ding, J.-H., & Hu, G. (2015). MicroRNA-7 Enhances Subventricular Zone Neurogenesis by Inhibiting NLRP3/Caspase-1 Axis in Adult Neural Stem Cells. *Molecular Neurobiology*, 1-13. doi: 10.1007/s12035-015-9620-5. <http://dx.doi.org/10.1007/s12035-015-9620-5>

Fang, P.-c., Barbay, S., Plautz, E. J., Hoover, E., Strittmatter, S. M., & Nudo, R. J. (2010). Combination of NEP 1-40 Treatment and Motor Training Enhances Behavioral Recovery After a Focal Cortical Infarct in Rats. *Stroke*, 41(3), 544-549. doi: 10.1161/strokeaha.109.572073. http://stroke.ahajournals.org/cgi/content/abstract/STROKE_AHA.109.572073v1

Fannon, M. J., Mysore, K. K., Williams, J., Quach, L. W., Purohit, D. C., Sibley, B. D., . . . Mandyam, C. D. (2018). Hippocampal neural progenitor cells play a distinct role in fear memory retrieval in male and female CIE rats. *Neuropharmacology*. doi: <https://doi.org/10.1016/j.neuropharm.2018.09.045>. <http://www.sciencedirect.com/science/article/pii/S0028390818307238>

Fanous, S., Lacagnina, M. J., Nikulina, E. M., & Hammer Jr, R. P. (2011). Sensitized activation of Fos and brain-derived neurotrophic factor in the medial prefrontal cortex and ventral tegmental area accompanies behavioral sensitization to amphetamine. *Neuropharmacology*. doi.

Farber, N. B., Creeley, C. E., & Olney, J. W. (2010). Alcohol-induced neuroapoptosis in the fetal macaque brain. *Neurobiology of Disease*, 40(1), 200-206. doi.

Fard, M. A., Ebrahimi, K. B., & Miller, N. R. (2013). RhoA activity and post-ischemic inflammation in an experimental model of adult rodent anterior ischemic optic neuropathy. *Brain Research*, (o). doi: <http://dx.doi.org/10.1016/j.brainres.2013.07.053>. <http://www.sciencedirect.com/science/article/pii/S0006899313010767>

Farfel-Becker, T., Vitner, E. B., Pressey, S. N. R., Eilam, R., Cooper, J. D., & Futerman, A. H. (2011). Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. *Human Molecular Genetics*. doi: 10.1093/hmg/ddr019. <http://hmg.oxfordjournals.org/content/early/2011/01/27/hmg.ddr019.abstract>

Fargo, K. N., Foster, A. M., Harty, M. W., & Sengelaub, D. R. (2003). Estrogen alters excitability but not morphology of a sexually dimorphic neuromuscular system in adult rats. *Journal of Neurobiology*, 56(1), 66-77. doi.

Fargo, K. N., & Sengelaub, D. R. (2004). Exogenous testosterone prevents motoneuron atrophy induced by contralateral motoneuron depletion. *Journal of Neurobiology*, 60(3), 348-359. doi.

Fargo, K. N., & Sengelaub, D. R. (2004). Testosterone manipulation protects motoneurons from dendritic atrophy after contralateral motoneuron depletion. *Journal of Comparative Neurology*, 469(1), 96-106. doi.

Fargo, K. N., & Sengelaub, D. R. (2007). Androgenic, but not estrogenic, protection of motoneurons from somal and dendritic atrophy induced by the death of neighboring motoneurons. *Developmental Neurobiology*, 67(8), 1094-1106. doi.

Farinetti, A., Tomasi, S., Foglio, B., Ferraris, A., Ponti, G., Gotti, S., . . . Panzica, G. (2014). Testosterone and estradiol differentially affect cell proliferation in the subventricular zone of young adult gonadectomized male and female rats. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.11.050>.
<http://www.sciencedirect.com/science/article/pii/S0306452214010185>

Farrag, T. Y., Lehar, M., Verhaegen, P., Carson, K. A., & Byrne, P. J. (2007). Effect of Platelet Rich Plasma and Fibrin Sealant on Facial Nerve Regeneration in a Rat Model. *Laryngoscope*, 117(1), 157-165. doi.

Farrand, A. Q., Helke, K. L., Aponte-Cofresi, L., Gooz, M. B., Gregory, R. A., Hinson, V. K., & Boger, H. A. (2019). Effects of vagus nerve stimulation are mediated in part by TrkB in a parkinson's disease model. *Behavioural Brain Research*, 373, 112080. doi: <https://doi.org/10.1016/j.bbr.2019.112080>.
<http://www.sciencedirect.com/science/article/pii/S0166432819308423>

Farrand, A. Q., Helke, K. L., Gregory, R. A., Gooz, M., Hinson, V. K., & Boger, H. A. (2017). Vagus nerve stimulation improves locomotion and neuronal populations in a model of Parkinson's disease. *Brain Stimulation*. doi: <https://doi.org/10.1016/j.brs.2017.08.008>.
<http://www.sciencedirect.com/science/article/pii/S1935861X17308884>

Farrar, C. E., Huang, C. S., Clarke, S. G., & Houser, C. R. (2005). Increased cell proliferation and granule cell number in the dentate gyrus of protein repair-deficient mice. *Journal of Comparative Neurology*, 493(4), 524-537. doi.

Farrell, M. K., & Houle, D. J. D. (2019). Systemic inhibition of soluble TNF with XPro1595 exacerbates a post-spinal cord injury depressive phenotype in female rats. *Journal of Neurotrauma*, 0(ja), null. doi: 10.1089/neu.2019.6438. <https://www.liebertpub.com/doi/abs/10.1089/neu.2019.6438>

Farrell, M. R., Sayed, J. A., Underwood, A. R., & Wellman, C. L. (2010). Lesion of infralimbic cortex occludes stress effects on retrieval of extinction but not fear conditioning. *Neurobiology of Learning and Memory*, 94(2), 240-246. doi.

Farrera-Hernández, A., Marín-Llera, J. C., & Chimal-Monroy, J. (2020). WNT5A-Ca²⁺-CaN- NFAT signalling plays a permissive role during cartilage differentiation in embryonic chick digit development. *Developmental Biology*. doi: <https://doi.org/10.1016/j.ydbio.2020.10.003>.
<http://www.sciencedirect.com/science/article/pii/S0012160620302748>

Fatemi, S. H., Earle, J. A., & McMenomy, T. (2000). Reduction in Reelin immunoreactivity in hippocampus of subjects with schizophrenia, bipolar disorder and major depression. *Molecular Psychiatry*, 5, 654-663. doi.

Fatemi, S. H., Emamian, E. S., Sidwell, R. W., Kist, D. A., Sary, J. M., Earle, J. A., & Thuras, P. (2002). Human influenza viral infection in utero alters glial fibrillary acidic protein immunoreactivity in the developing brains of neonatal mice. *Molecular Psychiatry*, 7, 633- 640. doi.

Fatemi, S. H., Halt, A. R., Realmuto, G., Earle, J., Kist, D. A., Thuras, P., & Merz, A. (2002). Purkinje cell size is reduced in cerebellum of patients with autism. *Cellular and Molecular Neurobiology*, 22(2), 171-175. doi.

Faulkner, J. R., Herrmann, J. E., Woo, M. J., Tansey, K. E., Doan, N. B., & Sofroniew, M. V. (2004). Reactive Astrocytes Protect Tissue and Preserve Function after Spinal Cord Injury. *Journal of Neuroscience*, 24(9), 2143-2155. doi. <http://www.jneurosci.org/cgi/content/abstract/24/9/2143>

Faunes, M., Fernández, S., Gutiérrez-Ibáñez, C., Iwaniuk, A. N., Wylie, D. R., Mpodozis, J., . . . Marín, G. (2012). Laminar segregation of GABAergic neurons in the avian nucleus isthmi pars magnocellularis: A retrograde tracer and comparative study. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23253. <http://dx.doi.org/10.1002/cne.23253>

Faunes, M., Oñate-Ponce, A., Fernández-Collemani, S., & Henny, P. (2015). Excitatory and inhibitory innervation of the mouse orofacial motor nuclei: A stereological study. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23862. <http://dx.doi.org/10.1002/cne.23862>

Fausser, M., Ricken, M., Markert, F., Weis, N., Schmitt, O., Gimsa, J., . . . Storch, A. (2021). Subthalamic nucleus deep brain stimulation induces sustained neurorestoration in the mesolimbic dopaminergic system in a Parkinson's disease model. *Neurobiology of Disease*, 156, 105404. doi: <https://doi.org/10.1016/j.nbd.2021.105404>.
<https://www.sciencedirect.com/science/article/pii/S0969996121001534>

Faw, T. D., Lerch, J. K., Thaxton, T. T., Deibert, R. J., Fisher, L. C., & Basso, D. M. (2018). Unique sensory and motor behavior in Thy1-GFP-M mice before and after spinal cord injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5395. <https://doi.org/10.1089/neu.2017.5395>

Featherstone, R. E., Liang, Y., Saunders, J., Tatard-Leitman, V., Ehrlichman, R. S., & Siegel, S. J. (2012). Subchronic ketamine treatment leads to permanent changes in EEG, cognition and the astrocytic glutamate transporter EAAT2 in mice. *Neurobiology of Disease*. doi.

Fedor, M., Berman, R. F., Muizelaar, J. P., & Lyeth, B. G. (2010). Hippocampal theta dysfunction after lateral fluid percussion injury. *Journal of Neurotrauma*, 27(9), 1605-1615. doi.

Fehlings, M., & Robins-Steele, S. (2012). The delayed post-injury administration of soluble Fas receptor attenuates post-traumatic neural degeneration and enhances functional recovery after traumatic cervical spinal cord injury. *Journal of Neurotrauma*, (ja). doi.

Fei, Q., McCormack, A. L., Di Monte, D. A., & Ethell, D. W. (2008). Paraquat Neurotoxicity Is Mediated by a Bak-dependent Mechanism. *Journal of Biological Chemistry*, 283(6), 3357- 3364. doi: 10.1074/jbc.M708451200. <http://www.jbc.org/cgi/content/abstract/283/6/3357>

Fei, W., Du, X., & Yang, H. (2011). Seipin, adipogenesis and lipid droplets. *Trends Endocrinol Metab*, 22. doi: 10.1016/j.tem.2011.02.004. <http://dx.doi.org/10.1016/j.tem.2011.02.004>

Fei, X. F., Qin, Z. H., Xiang, B., Li, L. Y., Han, F., Fukunaga, K., & Liang, Z. Q. (2009). Olomoucine inhibits cathepsin L nuclear translocation, activates autophagy and attenuates toxicity of 6- hydroxydopamine. *Brain Research*, 1264, 85-97. doi.

Feng, J., Zhao, X., Gurkoff, G. G., Van, K. C., Shahlaie, K., & Lyeth, B. G. (2011). Posttraumatic hypoxia exacerbates neuronal cell death in the hippocampus. *Journal of Neurotrauma*, (ja). doi.

Feng, J., Zhou, Y., Campbell, S. L., Le, T., Li, E., Sweatt, J. D., . . . Fan, G. (2010). Dnmt1 and Dnmt3a maintain DNA methylation and regulate synaptic function in adult forebrain neurons. *Nature Neuroscience*, 13(4), 423-430. doi.

Feng, J. F., Van, K. C., Gurkoff, G. G., Kopriva, C., Olszewski, R. T., Song, M., . . . others. (2011). Post-injury administration of NAAG peptidase inhibitor prodrug, PGI-02776, in experimental TBI. *Brain Research*. doi.

Feng, L., Sametsky, E. A., Gusev, A. G., & Uteshev, V. V. (2012). Responsiveness to nicotine of neurons of the caudal nucleus of the solitary tract correlates with the neuronal projection target. *Journal of Neurophysiology*. doi: 10.1152/jn.00296.2012. <http://jn.physiology.org/content/early/2012/07/12/jn.00296.2012.abstract>

Fenton, E. Y., Fournier, N. M., Lussier, A. L., Romay-Tallon, R., Caruncho, H. J., & Kalynchuk, L. E. (2015). Imipramine protects against the deleterious effects of chronic corticosterone on depression-like behavior, hippocampal reelin expression, and neuronal maturation. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, (o). doi: <http://dx.doi.org/10.1016/j.pnpbp.2015.02.001>. <http://www.sciencedirect.com/science/article/pii/S0278584615000275>

Ferger, B., Leng, A., Mura, A., Hengerer, B., & Feldon, J. (2004). Genetic ablation of tumor necrosis factor-alpha (TNF- α) and pharmacological inhibition of TNF-synthesis attenuates

MPTP toxicity in mouse striatum. *Journal of Neurochemistry*, 89(4), 822-833. doi: doi:10.1111/j.1471-4159.2004.02399.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2004.02399.x>

Fernagut, P. O., Hutson, C. B., Fleming, S. M., Tetreaut, N. A., Salcedo, J., Masliah, E., & Chesselet, M. F. (2007). Behavioral and histopathological consequences of paraquat intoxication in mice: Effects of α -synuclein over-expression. *Synapse*, 61(12), 991-1001. doi.

Fernandes-Junior, S. A., Oliveira, L. M., Czeisler, C. M., Mo, X., Sashwati, R., Somogyi, A., . . . Takakura, A. C. (2020). Stimulation of Retrotrapezoid Nucleus Phox2b-expressing Neurons Rescues Breathing Dysfunction in an Experimental Parkinson's Disease Rat Model. *Brain Pathology*, n/a(n/a). doi: 10.1111/bpa.12868. <https://onlinelibrary.wiley.com/doi/abs/10.1111/bpa.12868>

Fernandez, G. M., & Savage, L. M. (2017). Adolescent binge ethanol exposure alters specific forebrain cholinergic cell populations and leads to selective functional deficits in the prefrontal cortex. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.08.013>. <http://www.sciencedirect.com/science/article/pii/S0306452217305717>

Fernández, M., Reyes-Pinto, R., Norambuena, C., Sentis, E., & Mpodozis, J. (2021). A canonical interlaminar circuit in the sensory dorsal ventricular ridge of birds: The anatomical organization of the trigeminal pallium. [<https://doi.org/10.1002/cne.25201>]. *Journal of Comparative Neurology*, n/a(n/a). doi: <https://doi.org/10.1002/cne.25201>. <https://doi.org/10.1002/cne.25201>

Fernandez, M. L., Wright, A. K., & Arbuthnott, G. W. (2005). Activation of NOS Interneurons in Striatum after Excitotoxic Lesions of Rat Globus Pallidus. *Basal Ganglia* VIII, 485-491. doi.

Fernández, V., Martínez-Martínez, M. Á., Prieto-Colomina, A., Cárdenas, A., Soler, R., Dori, M., . . . Borrell, V. (2020). Repression of *Irs2* by let-7 miRNAs is essential for homeostasis of the telencephalic neuroepithelium. *The EMBO journal*, n/a(n/a), e105479. doi: 10.15252/embj.2020105479. <https://doi.org/10.15252/embj.2020105479>

Fernández-Aburto, P., Delgado, S. E., Sobrero, R., & Mpodozis, J. (2019). Can social behaviour drive accessory olfactory bulb asymmetries? Sister species of caviomorph rodents as a case in point. *Journal of Anatomy*, n/a(n/a). doi: 10.1111/joa.13126. <https://onlinelibrary.wiley.com/doi/abs/10.1111/joa.13126>

Fernandez-Gonzalez, P., Benavides-Piccione, R., Leguey, I., Bielza, C., Larrañaga, P., & DeFelipe, J. (2016). Dendritic-branching angles of pyramidal neurons of the human cerebral cortex. [journal article]. *Brain Structure and Function*, 1-13. doi: 10.1007/s00429-016-1311-0. <http://dx.doi.org/10.1007/s00429-016-1311-0>

Fernández-Juricic, E., Baumhardt, P. E., Tyrrell, L. P., Elmore, A., DeLiberto, S. T., & Werner, S. J. (2019). Vision in an abundant North American bird: The Red-winged Blackbird. *The Auk*. doi: 10.1093/auk/ukz039. <https://doi.org/10.1093/auk/ukz039>

Fernández-Juricic, E., Moore, B. A., Doppler, M., Freeman, J., Blackwell, B. F., Lima, S. L., & DeVault, T. L. (2011). Testing the Terrain Hypothesis: Canada Geese See Their World Laterally and Obliquely. *Brain, Behavior and Evolution*, 77(3), 147-158. doi.

Fernández-López, D., Faustino, J., Derugin, N., Wendland, M., Lizasoain, I., Moro, M. A., & Vexler, Z. S. (2012). Reduced infarct size and accumulation of microglia in rats treated with WIN 55,212-2 after neonatal stroke. *Neuroscience*. doi.

Fernando, C., Kele, J., Bye, C., Niclis, J. C., Alsanie, W., Blakely, B. D., . . . Parish, C. (2014). Diverse roles for Wnt7a in ventral midbrain neurogenesis and dopaminergic axon morphogenesis. *Stem Cells and Development*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/scd.2014.0166>

Ferragud, A., Velazquez-Sanchez, C., Minnig, M. A., Sabino, V., & Cottone, P. (2020). Pituitary adenylate cyclase-activating polypeptide (PACAP) modulates dependence-induced alcohol drinking and anxiety-like behavior in male rats. *Neuropsychopharmacology*. doi: 10.1038/s41386-020-00904-4. <https://doi.org/10.1038/s41386-020-00904-4>

Ferrante, R. J., Andreassen, O. A., Dedeoglu, A., Ferrante, K. L., Jenkins, B. G., Hersch, S. M., & Beal, M. F. (2002). Therapeutic Effects of Coenzyme Q10 and Remacemide in Transgenic Mouse Models of Huntington's Disease. *Journal of Neuroscience*, 22(5), 1592-1599. doi. <http://www.jneurosci.org/cgi/content/abstract/22/5/1592>

Ferrante, R. J., Andreassen, O. A., Jenkins, B. G., Dedeoglu, A., Kuemmerle, S., Kubitius, J. K., . . . Beal, M. F. (2000). Neuroprotective Effects of Creatine in a Transgenic Mouse Model of Huntington's Disease. *Journal of Neuroscience*, 20(12), 4389-4397. doi. <http://www.jneurosci.org/cgi/content/abstract/20/12/4389>

Ferrante, R. J., Klein, A. M., Dedeoglu, A., & Flint Beal, M. (2001). Therapeutic efficacy of Egb761 (Ginkgo biloba extract) in a transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Molecular Neuroscience*, 17(1), 89-96. doi.

Ferrante, R. J., Kubitius, J. K., Lee, J., Ryu, H., Beesen, A., Zucker, B., . . . Hersch, S. M. (2003). Histone Deacetylase Inhibition by Sodium Butyrate Chemotherapy Ameliorates the Neurodegenerative Phenotype in Huntington's Disease Mice. *Journal of Neuroscience*, 23(28), 9418-9427. doi. <http://www.jneurosci.org/cgi/content/abstract/23/28/9418>

Ferrante, R. J., Ryu, H., Kubitius, J. K., D'Mello, S., Sugars, K. L., Lee, J., . . . Ratan, R. R. (2004). Chemotherapy for the Brain: The Antitumor Antibiotic Mithramycin Prolongs Survival in a Mouse Model of Huntington's Disease. *Journal of Neuroscience*, 24(46), 10335-10342. doi. <http://www.jneurosci.org/cgi/content/abstract/24/46/10335>

Ferrari, D., Sanchez-Pernate, R., Lee, H., Studer, L., & Isacson, O. (2006). Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. *European Journal of Neuroscience*, 24(7), 1885-1896. doi: doi:10.1111/j.1460-9568.2006.05093.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.05093.x>

Ferrazzo, S., Gunduz-Cinar, O., Stefanova, N., Pollack, G. A., Holmes, A., Schmuckermair, C., & Ferraguti, F. (2019). Increased anxiety-like behavior following circuit-specific catecholamine denervation in mice. *Neurobiology of Disease*, 125, 55-66. doi: <https://doi.org/10.1016/j.nbd.2019.01.009>.
<http://www.sciencedirect.com/science/article/pii/S0969996119300142>

Ferreiro, E., Lanzillo, M., Canhoto, D., Carvalho da Silva, A. M., Mota, S. I., Dias, I. S., . . . Rego, A. C. (2020). Chronic Hyperglycemia Impairs Hippocampal Neurogenesis and Memory in an Alzheimer's disease mouse model. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2020.04.003>.
<http://www.sciencedirect.com/science/article/pii/S0197458020301226>

Ferrera, D., Mazzaro, N., Canale, C., & Gasparini, L. (2014). Resting microglia react to A beta 42 fibrils but do not detect oligomers or oligomer-induced neuronal damage. *Neurobiology of Aging*, 35. doi: 10.1016/j.neurobiolaging.2014.05.023. <http://dx.doi.org/10.1016/j.neurobiolaging.2014.05.023>

Ferrigno, A., Vairetti, M., Ambrosi, G., Rizzo, V., Richelmi, P., Blandini, F., & Armentero, M.-T. (2015). Selective blockade of mGlu5 metabotropic glutamate receptors is protective against hepatic mitochondrial dysfunction in 6-OHDA lesioned Parkinsonian rats. *Clinical and Experimental Pharmacology and Physiology*, n/a-n/a. doi: 10.1111/1440-1681.12410. <http://dx.doi.org/10.1111/1440-1681.12410>

Fertuzinhos, S., Krsnik, Z., Kawasawa, Y. I., Rasin, M.-R., Kwan, K. Y., Chen, J.-G., . . . Sestan, N. (2009). Selective Depletion of Molecularly Defined Cortical Interneurons in Human Holoprosencephaly with Severe Striatal Hypoplasia. *Cerebral Cortex*, bhp009. doi: 10.1093/cercor/bhp009. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhp009v1>

Fields, J., Dumaop, W., Elueteri, S., Campos, S., Serger, E., Trejo, M., . . . Rockenstein, E. (2015). HIV-1 Tat Alters Neuronal Autophagy by Modulating Autophagosome Fusion to the Lysosome: Implications for HIV-Associated Neurocognitive Disorders. *The Journal of Neuroscience*, 35(5), 1921-1938. doi: <http://www.jneurosci.org/content/35/5/1921.short>

Fields, J. A., Metcalf, J., Overk, C., Adame, A., Spencer, B., Wrasidlo, W., . . . Masliah, E. (2017). The anticancer drug sunitinib promotes autophagy and protects from neurotoxicity in an HIV-1 Tat model of neurodegeneration. [journal article]. *Journal of Neurovirology*, 1-14. doi: 10.1007/s13365-016-0502-z. <http://dx.doi.org/10.1007/s13365-016-0502-z>

Figge, D., Rahman, I., Dougherty, P., & Rademacher, D. (2012). Retrieval of contextual memories increases activity-regulated cytoskeleton-associated protein in the amygdala and hippocampus. *Brain Structure and Function*, 1-20. doi: 10.1007/s00429-012-0453-y. <http://dx.doi.org/10.1007/s00429-012-0453-y>

Figley, S. A., Chen, Y., Maeda, A., Conroy, L., McMullen, J. D., Silver, J. I., . . . DaCosta, R. S. (2013). A Spinal Cord Window Chamber Model for In Vivo Longitudinal Multimodal Optical and Acoustic Imaging in a Murine Model. *Plos one*, 8(3), e58081. doi: 10.1371/journal.pone.0058081. <http://dx.doi.org/10.1371%2Fjournal.pone.0058081>

Figley, S. A., Liu, Y., Karadimas, S. K., Satkunendrarajah, K., Fettes, P., Spratt, S. K., . . . Fehlings, M. G. (2014). Delayed Administration of a Bio-Engineered Zinc-Finger VEGF-A Gene Therapy Is Neuroprotective and Attenuates Allodynia Following Traumatic Spinal Cord Injury. *Plos one*, 9(5), e96137. doi: 10.1371/journal.pone.0096137. <http://dx.doi.org/10.1371%2Fjournal.pone.0096137>

Figueiredo, T., Harbert, C. L., Pidoplichko, V., Almeida-Suhett, C. P., Rossetti, K., Braga, M. F. M., & Marini, A. M. (2019). The Recovery of GABAergic Function in the Hippocampus CA1 Region After mTBI. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-019-01753-z. <https://doi.org/10.1007/s12035-019-01753-z>

Figueiredo, T. H., Aroniadou-Anderjaska, V., Qashu, F., Aplan, J. P., Pidoplichko, V., Stevens, D., . . . Braga, M. F. M. (2011). Neuroprotective efficacy of caramiphen against soman and mechanisms of its action. *British Journal of Pharmacology*, 164(5), 1495-1505. doi: 10.1111/j.1476-5381.2011.01427.x. <http://dx.doi.org/10.1111/j.1476-5381.2011.01427.x>

Figueiredo, T. H., Aroniadou-Anderjaska, V., Qashu, F., Aplan, J. P., Souza, A. P., & Braga, M. F. M. (2011). Efficacy of Topiramate Against Soman Intoxication: Attenuation of Seizures Without Neuroprotection. *American Journal of Neuroprotection and Neuroregeneration*, 3(1), 59-65. doi.

Figueiredo, T. H., Harbert, C. L., Pidoplichko, V., Almeida-Suhett, C. P., Pan, H., Rossetti, K., . . . Marini, A. M. (2017). Alpha-Linolenic Acid Treatment Reduces the Contusion and Prevents the Development of Anxiety-Like Behavior Induced by a Mild Traumatic Brain Injury in Rats. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-017-0732-y. <https://doi.org/10.1007/s12035-017-0732-y>

Figueiredo, T. H., Qashu, F., Aplan, J. P., Aroniadou-Anderjaska, V., Souza, A. P., & Braga, M. F. M. (2011). The GluK1 (GluR5) Kainate/ α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid Receptor Antagonist LY293558 Reduces Soman-Induced Seizures and Neuropathology. *Journal of Pharmacology and Experimental Therapeutics*, 336(2), 303-312. doi: 10.1124/jpet.110.171835. <http://jpet.aspetjournals.org/content/336/2/303.abstract>

Filice, F., Celio, M. R., Babalian, A., Blum, W., & Szabolcsi, V. (2017). Parvalbumin-expressing ependymal cells in rostral lateral ventricle wall adhesions contribute to aging-related ventricle stenosis in mice. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24276. <http://dx.doi.org/10.1002/cne.24276>

Filice, F., Vörckel, K. J., Sungur, A. Ö., Wöhr, M., & Schwaller, B. (2016). Reduction in parvalbumin expression not loss of the parvalbumin-expressing GABA interneuron subpopulation in genetic parvalbumin and shank mouse models of autism. [journal article]. *Molecular Brain*, 9(1), 1-17. doi: 10.1186/s13041-016-0192-8. <http://dx.doi.org/10.1186/s13041-016-0192-8>

Filichia, E., Hoffer, B., Qi, X., & Luo, Y. (2016). Inhibition of Drp1 mitochondrial translocation provides neural protection in dopaminergic system in a Parkinson's disease model induced by MPTP. [Article]. *Scientific Reports*, 6, 32656. doi: 10.1038/srep32656

<http://www.nature.com/articles/srep32656#supplementary-information>. <http://dx.doi.org/10.1038/srep32656>

Filichia, E., Shen, H., Zhou, X., Qi, X., Jin, K., Greig, N., . . . Luo, Y. (2015). Forebrain neuronal specific ablation of p53 gene provides protection in a cortical ischemic stroke model. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.03.018>.

<http://www.sciencedirect.com/science/article/pii/S0306452215002407>

Filipcik, P., Cente, M., Zilka, N., Smolek, T., Hanes, J., Kucerak, J., . . . Novak, M. (2015). Intraneuronal accumulation of misfolded tau protein induces overexpression of Hsp27 in activated astrocytes. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.bbadis.2015.03.003>.

<http://www.sciencedirect.com/science>

[/article/pii/S0925443915000678](http://www.sciencedirect.com/science/article/pii/S0925443915000678)

Filipcik, P., Zilka, N., Bugos, O., Kucerak, J., Koson, P., Novak, P., & Novak, M. (2010). First transgenic rat model developing progressive cortical neurofibrillary tangles. *Neurobiology of Aging*. doi.

Fillman, S. G., Cloonan, N., Catts, V. S., Miller, L. C., Wong, J., McCrossin, T., . . . Weickert, C. S. (2012). Increased inflammatory markers identified in the dorsolateral prefrontal cortex of individuals with schizophrenia. *Molecular Psychiatry*.

doi: <http://www.nature.com/mp/journal/vaop/ncurrent/supinfo/mp2012110s1.html>. <http://dx.doi.org/10.1038/mp.2012.110>

Finardi, A., Colciaghi, F., Castana, L., Locatelli, D., Marras, C., Nobili, P., . . . Battaglia, G. (2013). Long-duration epilepsy affects cell morphology and glutamatergic synapses in type IIB focal cortical dysplasia. *Acta Neuropathologica*, 1-17. doi: 10.1007/s00401-013-1143-4

4. <http://dx.doi.org/10.1007/s00401-013-1143-4>

Finch, D. K., Stolberg, V. R., Ferguson, J., Alikaj, H., Kady, M. R., Richmond, B. W., . . . Freeman, C. M. (2018). Lung Dendritic Cells Drive NK Cytotoxicity in Chronic Obstructive Pulmonary Disease via IL-15R α . *American Journal of Respiratory and Critical Care Medicine*, o(ja), null. doi: 10.1164/rccm.201712-

2513OC. <https://www.atsjournals.org/doi/abs/10.1164/rccm.201712-2513OC>

Finkelstein, D. I., Billings, J. L., Adlard, P. A., Ayton, S., Sedjahtera, A., Masters, C. L., . . . Cherny, R. A. (2017). The novel compound PBT434 prevents iron mediated neurodegeneration and alpha-synuclein toxicity in multiple models of Parkinson's disease. [journal article]. *Acta Neuropathologica Communications*, 5(1), 53. doi: 10.1186/s40478-017-0456-

2. <http://dx.doi.org/10.1186/s40478-017-0456-2>

Finlay, B. L., Charvet, C. J., Bastille, I., Cheung, D. T., Muniz, J. A. P. C., & de Lima Silveira, L. C. (2013). Scaling the primate lateral geniculate nucleus: Niche and neurodevelopment in the regulation of magnocellular and parvocellular cell number and nucleus volume. *Journal of Comparative Neurology*, n/a-n/a. doi:

10.1002/cne.23505. <http://dx.doi.org/10.1002/cne.23505>

Fischer, D. L., Kemp, C. J., Cole-Strauss, A., Polinski, N. K., Paumier, K. L., Lipton, J. W., . . . Sortwell, C. E. (2017). Subthalamic Nucleus Deep Brain Stimulation Employs TrkB Signaling for Neuroprotection and Functional Restoration. [10.1523/JNEUROSCI.2060-16.2017]. The Journal of Neuroscience. doi: <http://www.jneurosci.org/content/early/2017/06/08/JNEUROSCI.2060-16.2017...>

Fischer, D. L., Manfredsson, F. P., Kemp, C. J., Cole-Strauss, A., Lipton, J. W., Duffy, M. F., . . . Sortwell, C. E. (2017). Subthalamic Nucleus Deep Brain Stimulation Does Not Modify the Functional Deficits or Axonopathy Induced by Nigrostriatal α -Synuclein Overexpression. Scientific Reports, 7(1), 16356. doi: 10.1038/s41598-017-16690-x. <https://doi.org/10.1038/s41598-017-16690-x>

Fish, E. W., Krouse, M. C., Stringfield, S. J., DiBerto, J. F., Robinson, J. E., & Malanga, C. (2013). Changes in Sensitivity of Reward and Motor Behavior to Dopaminergic, Glutamatergic, and Cholinergic Drugs in a Mouse Model of Fragile X Syndrome. Plos one, 8(10), e77896. doi: <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0077896>

Fitting, S., Booze, R. M., Hasselrot, U., & Mactutus, C. F. (2007). Differential long-term neurotoxicity of HIV-1 proteins in the rat hippocampal formation: A design-based stereological study. Hippocampus, DOI: 10.1002/hipo.20376. doi.

Fitting, S., Booze, R. M., Hasselrot, U., & Mactutus, C. F. (2010). Dose-dependent long-term effects of Tat in the rat hippocampal formation: A design-based stereological study. Hippocampus, 20(4), 469-480. doi.

Fitting, S., McLaurin, K. A., Booze, R. M., & Mactutus, C. F. (2017). Dose-dependent neurocognitive deficits following postnatal day 10 HIV-1 viral protein exposure: Relationship to hippocampal anatomy parameters. International Journal of Developmental Neuroscience. doi: <https://doi.org/10.1016/j.ijdevneu.2017.10.009>. <http://www.sciencedirect.com/science/article/pii/S0736574817302381>

Flanigan, T. J., Xue, Y., Kishan Rao, S., Dhanushkodi, A., & McDonald, M. P. (2014). Abnormal vibrissa-related behavior and loss of barrel field inhibitory neurons in 5xFAD transgenics. Genes, Brain and Behavior, n/a-n/a. doi: 10.1111/gbb.12133. <http://dx.doi.org/10.1111/gbb.12133>

Fleming, S. M., Mulligan, C. K., Richter, F., Mortazavi, F., Lemesre, V., Frias, C., . . . others. (2010). A pilot trial of the microtubule-interacting peptide (NAP) in mice overexpressing alpha-synuclein shows improvement in motor function and reduction of alpha-synuclein inclusions. Molecular and Cellular Neuroscience. doi.

Flores-Cuadrado, A., Saiz-Sanchez, D., Mohedano-Moriano, A., Lamas-Cenfor, E., Leon-Olmo, V., Martinez-Marcos, A., & Ubeda-Bañon, I. (2021). Astroglial and sexually dimorphic neurodegeneration and microgliosis in the olfactory bulb in Parkinson's disease. Npj Parkinson's Disease, 7(1), 11. doi: 10.1038/s41531-020-00154-7. <https://doi.org/10.1038/s41531-020-00154-7>

Flores-Cuadrado, A., Saiz-Sanchez, D., Mohedano-Moriano, A., Martinez-Marcos, A., & Ubeda-Bañon, I. (2019). Neurodegeneration and contralateral α -synuclein induction after

intracerebral α -synuclein injections in the anterior olfactory nucleus of a Parkinson's disease A53T mouse model. [journal article]. *Acta Neuropathologica Communications*, 7(1), 56. doi: 10.1186/s40478-019-0713-7. <https://doi.org/10.1186/s40478-019-0713-7>

Floriddia, E. M., Rathore, K. I., Tedeschi, A., Quadrato, G., Wuttke, A., Lueckmann, J.-M., . . . Di Giovanni, S. (2012). p53 Regulates the Neuronal Intrinsic and Extrinsic Responses Affecting the Recovery of Motor Function following Spinal Cord Injury. *Journal of Neuroscience*, 32(40), 13956-13970. doi: 10.1523/Jneurosci.1925-12.2012. <http://www.jneurosci.org/content/32/40/13956.abstract>

Fogarty, M., Yanagawa, Y., Obata, K., Bellingham, M., & Noakes, P. (2013). Genetic absence of the vesicular inhibitory amino acid transporter differentially regulates respiratory and locomotor motor neuron development. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-013-0673-9. <http://dx.doi.org/10.1007/s00429-013-0673-9>

Fogarty, M. J., Smallcombe, K. L., Yanagawa, Y., Obata, K., Bellingham, M. C., & Noakes, P. G. (2013). Genetic Deficiency of GABA Differentially Regulates Respiratory and Non-Respiratory Motor Neuron Development. *Plos one*, 8(2), e56257. doi: 10.1371/journal.pone.0056257. <http://dx.doi.org/10.1371%2Fjournal.pone.0056257>

Fonck, C., Nashmi, R., Salas, R., Zhou, C., Huang, Q., De Biasi, M., . . . Lester, H. A. (2009). Demonstration of functional α 4-containing nicotinic receptors in the medial habenula. *Neuropharmacology*, 56(1), 247-253. doi:

Fonseca, C., Taatjes, D., Callas, P., Ittleman, F., & Bovill, E. (2012). The effects of aging on the intimal region of the human saphenous vein: insights from multimodal microscopy and quantitative image analysis. *Histochemistry and Cell Biology*, 1-11. doi: 10.1007/s00418-012-0966-8. <http://dx.doi.org/10.1007/s00418-012-0966-8>

Foote, M., Qiao, H., Graham, K., Wu, Y., & Zhou, Y. (2015). Inhibition of 14-3-3 Proteins Leads to Schizophrenia-Related Behavioral Phenotypes and Synaptic Defects in Mice. *Biological Psychiatry*. doi: 10.1016/j.biopsych.2015.02.015. [http://www.biologicalpsychiatryjournal.com/article/S0006-3223\(15\)00125-0/abstract](http://www.biologicalpsychiatryjournal.com/article/S0006-3223(15)00125-0/abstract)

Ford-Hutchinson, A. F., Ali, Z., Lines, S. E., Hallgrímsson, B., Boyd, S. K., & Jirik, F. R. (2007). Inactivation of Pten in Osteo-Chondroprogenitor Cells Leads to Epiphyseal Growth Plate Abnormalities and Skeletal Overgrowth. *Journal of Bone and Mineral Research*, 22(8), 1245- 1259. doi: doi:10.1359/jbmr.070420. <http://www.jbmronline.org/doi/abs/10.1359/jbmr.070420>

Foresti, M., Arisi, G., Katki, K., Montanez, A., Sanchez, R., & Shapiro, L. (2009). Chemokine CCL2 and its receptor CCR2 are increased in the hippocampus following pilocarpine-induced status epilepticus. *Journal of Neuroinflammation*, 6(1), 40. doi: <http://www.jneuroinflammation.com/content/6/1/40>

Foresti, M. L., Arisi, G. M., Campbell, J. J., & Mello, L. E. (2020). Treatment with CCR2 antagonist is neuroprotective but does not alter epileptogenesis in the pilocarpine rat model of epilepsy. *Epilepsy & Behavior*, 102, 106695.

doi: <https://doi.org/10.1016/j.yebeh.2019.106695>.
<http://www.sciencedirect.com/science/article/pii/S1525505019310157>

Forger, N. G., Rosen, G. J., Waters, E. M., Jacob, D., Simerly, R. B., & de Vries, G. J. (2004). Deletion of Bax eliminates sex differences in the mouse forebrain. *Proceedings of the National Academy of Sciences*, 101(37), 13666-13671. doi: <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/37/13666>

Forgione, N., Chamankhah, M., & Fehlings, M. (2016). A Mouse Model of Bilateral Cervical Contusion-Compression Spinal Cord Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2016.4708.
<http://online.liebertpub.com/doi/abs/10.1089/neu.2016.4708>

Forgione, N., Karadimas, S. K., Foltz, W. D., Satkunendrarajah, K., Lip, A., & Fehlings, M. (2014). Bilateral Contusion-Compression Model of Incomplete Traumatic Cervical Spinal Cord Injury (SCI). *Journal of Neurotrauma*, (ja).
doi: <http://online.liebertpub.com/doi/abs/10.1089/neu.2014.3388>

Fortun, J., Puzis, R., Pearse, D. D., Gage, F. H., & Bunge, M. B. (2009). Muscle injection of AAV- NT3 promotes anatomical reorganization of CST axons and improves behavioral outcome following SCI. *Journal of Neurotrauma*, 26(7), 941-953. doi.

Fournier, D. I., Eddy, M. C., DeAngeli, N. E., Huszár, R., & Bucci, D. J. (2019). Retrosplenial cortex damage produces retrograde and anterograde context amnesia using strong fear conditioning procedures. *Behavioural Brain Research*, 369, 111920.
doi: <https://doi.org/10.1016/j.bbr.2019.111920>.
<http://www.sciencedirect.com/science/article/pii/S0166432819303365>

Fournier, D. I., Todd, T. P., & Bucci, D. J. (2019). Permanent damage or temporary silencing of retrosplenial cortex impairs the expression of negative patterning discrimination. *Neurobiology of Learning and Memory*, 107033.
doi: <https://doi.org/10.1016/j.nlm.2019.107033>.
<http://www.sciencedirect.com/science/article/pii/S1074742719301005>

Fournier, N. M., Andersen, D. R., Botterill, J. J., Sterner, E. Y., Lussier, A. L., Caruncho, H. J., & Kalynchuk, L. E. (2010). The effect of amygdala kindling on hippocampal neurogenesis coincides with decreased reelin and DISC1 expression in the adult dentate gyrus. *Hippocampus*, 20(5), 659-671. doi.

Fournier, N. M., Botterill, J. J., Marks, W. N., Guskjolen, A. J., & Kalynchuk, L. E. (2012). Impaired recruitment of seizure-generated neurons into functional memory networks of the adult dentate gyrus following long-term amygdala kindling. *Experimental Neurology*, (o).
doi: <http://dx.doi.org/10.1016/j.expneurol.2012.11.031>.
<http://www.sciencedirect.com/science/article/pii/S0014488612004487>

Foust, K. D., Nurre, E., Montgomery, C. L., Hernandez, A., Chan, C. M., & Kaspar, B. K. (2008). Intravascular AAV9 preferentially targets neonatal neurons and adult astrocytes. *Nature Biotechnology*, advanced online publication. doi: <http://dx.doi.org/10.1038/nbt.1515>
http://www.nature.com/nbt/journal/vaop/ncurrent/supinfo/nbt.1515_S1.html

Fowke, T. M., Galinsky, R., Davidson, J. O., Wassink, G., Karunasinghe, R. N., Prasad, J. D., . . . Dean, J. M. (2018). Loss of interneurons and disruption of perineuronal nets in the cerebral cortex following hypoxia-ischaemia in near-term fetal sheep. *Scientific Reports*, 8(1), 17686. doi: 10.1038/s41598-018-36083-y.
<https://doi.org/10.1038/s41598-018-36083-y>

Fowler, C. D., Johnson, F., & Wang, Z. (2005). Estrogen regulation of cell proliferation and distribution of estrogen receptor- α in the brains of adult female prairie and meadow voles. *Journal of Comparative Neurology*, 489(2), 166-179. doi.

Fowler, C. D., Lu, Q., Johnson, P. M., Marks, M. J., & Kenny, P. J. (2011). Habenular [agr] 5 nicotinic receptor subunit signalling controls nicotine intake. *Nature*, 471(7340), 597-601. doi.

Fox, J., Lu, Z., & Barrows, L. (2015). Thiol-disulfide Oxidoreductases TRX1 and TMX3 Decrease Neuronal Atrophy in a Lentiviral Mouse Model of Huntington's Disease. *PLoS currents*, 7, ecurrents.hd.b966ec962eca968e962d989d962bb964d020be4351e. doi: 10.1371/currents.hd.b966ec2eca8e2d89d2bb4d020be4351e.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4650837/>

Fox, J. H., Barber, D. S., Singh, B., Zucker, B., Swindell, M. K., Norflus, F., . . . Hersch, S. M. (2004). Cystamine increases l-cysteine levels in Huntington's disease transgenic mouse brain and in a PC12 model of polyglutamine aggregation. *Journal of Neurochemistry*, 91(2), 413-422. doi: doi:10.1111/j.1471-4159.2004.02726.x.
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2004.02726.x>

Fox, R. A., Roth li, T. C., LaDage, L. D., & Pravosudov, V. V. (2010). No effect of social group composition or size on hippocampal formation morphology and neurogenesis in mountain chickadees (*Poecile gambeli*). *Developmental Neurobiology*, 70(7), 538-547. doi.

Fragale, J. E. C., Khariv, V., Gregor, D. M., Smith, I. M., Jiao, X., Elkabes, S., . . . Beck, K. D. (2016). Dysfunction in amygdala-prefrontal plasticity and extinction-resistant avoidance: A model for anxiety disorder vulnerability. *Experimental Neurology*, 275, Part 3, 59-68.
doi: <http://dx.doi.org/10.1016/j.expneurol.2015.11.002>.
<http://www.sciencedirect.com/science/article/pii/S0014488615301163>

França, A. S. C., Lobão-Soares, B., Muratori, L., Nascimento, G., Winne, J., Pereira, C. M., . . . Ribeiro, S. (2015). D2 dopamine receptor regulation of learning, sleep and plasticity. *European Neuropsychopharmacology*, (o).
doi: <http://dx.doi.org/10.1016/j.euroneuro.2015.01.011>.
<http://www.sciencedirect.com/science/article/pii/S0924977X15000127>

Franciosi, S., Ryu, J. K., Shim, Y., Hill, A., Connolly, C., Hayden, M. R., . . . Leavitt, B. R. (2011). Age-dependent neurovascular abnormalities and altered microglial morphology in the YAC128 mouse model of Huntington disease. *Neurobiology of Disease*. doi.

Franciosi, S., Sosa, M. A. G., English, D. F., Oler, E., Oung, T., Janssen, W. G., . . . Elder, G. A. (2009). Novel cerebrovascular pathology in mice fed a high cholesterol diet. *Molecular Neurodegeneration*, 4(1), 42. doi.

Francipane, M. G., Han, B., Oxburgh, L., Sims-Lucas, S., Li, Z., & Lagasse, E. (2019). Kidney-in- a-lymph node: a novel organogenesis assay to model human renal development and test nephron progenitor cell fates. *Journal of Tissue Engineering and Regenerative Medicine*, 0(ja). doi: 10.1002/term.2924. <https://onlinelibrary.wiley.com/doi/abs/10.1002/term.2924>

Franco, A., Knafo, S., Banon-Rodriguez, I., Merino-Serrais, P., Fernaud-Espinosa, I., Nieto, M., . . . Anton, I. M. (2011). WIP Is a Negative Regulator of Neuronal Maturation and Synaptic Activity. *Cerebral Cortex*, bhr199. doi: 10.1093/cercor/bhr199. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhr199v1>

Franco-Iborra, S., Cuadros, T., Parent, A., Romero-Gimenez, J., Vila, M., & Perier, C. (2018). Defective mitochondrial protein import contributes to complex I-induced mitochondrial dysfunction and neurodegeneration in Parkinson's disease. *Cell death & disease*, 9(11), 1122. doi: 10.1038/s41419-018-1154-0. <https://doi.org/10.1038/s41419-018-1154-0>

François, M.-L., Sahún, I., Collin, T., Pereira, P. L., Masini, D., Thomas, S., . . . Créau, N. (2013). Developmental molecular and functional cerebellar alterations induced by PCP4/PEP19 overexpression: Implications for Down syndrome. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.11.016>. <http://www.sciencedirect.com/science/article/pii/S096999611300329X>

Franich, N. R., Fitzsimons, H. L., Fong, D. M., Klugmann, M., During, M. J., & Young, D. (2008). AAV Vector-mediated RNAi of Mutant Huntingtin Expression Is Neuroprotective in a Novel Genetic Rat Model of Huntington's Disease. *Molecular Therapy*, 16(5), 947-956. doi.

Frank, T., Klinker, F., Falkenburger, B. H., Laage, R., Lühder, F., Göricke, B., . . . Weishaupt, J. H. (2012). Pegylated granulocyte colony-stimulating factor conveys long-term neuroprotection and improves functional outcome in a model of Parkinson's disease. *Brain*. doi: 10.1093/brain/aws054. <http://brain.oxfordjournals.org/content/early/2012/03/16/brain.aws054.ab..>

Frank-Cannon, T. C., Tran, T., Ruhn, K. A., Martinez, T. N., Hong, J., Marvin, M., . . . Tansey, M. G. (2008). Parkin Deficiency Increases Vulnerability to Inflammation-Related Nigral Degeneration. *Journal of Neuroscience*, 28(43), 10825-10834. doi: 10.1523/jneurosci.3001-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/43/10825>

Franz, C. K., Rutishauser, U., & Rafuse, V. F. (2005). Polysialylated Neural Cell Adhesion Molecule Is Necessary for Selective Targeting of Regenerating Motor Neurons. *Journal of Neuroscience*, 25(8), 2081-2091. doi: <http://www.jneurosci.org/cgi/content/abstract/25/8/2081>

Franz, S., Ciatipis, M., Pfeifer, K., Kierdorf, B., Sandner, B., Bogdahn, U., . . . Weidner, N. (2014). Thoracic Rat Spinal Cord Contusion Injury Induces Remote Spinal Gliogenesis but Not Neurogenesis or Gliogenesis in the Brain. *Plos one*, 9(7), e102896. doi: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4106835/>

Frappé, I., Wang, C., Caines, G., Rideout-Gros, S., & Aubert, I. (2004). Cell adhesion molecule L1 promotes neurite outgrowth of septal neurons. *Journal of Neuroscience Research*, 75(5), 667-677. doi.

Freas, C., Bingman, K., LaDage, L., & Pravosudov, V. (2013). Untangling Elevation-Related Differences in the Hippocampus in Food-Caching Mountain Chickadees: The Effect of a Uniform Captive Environment. *Brain, Behavior and Evolution*, 82(3), 199-209.

doi: <http://www.karger.com/Article/FullText/355503>

Freas, C. A., LaDage, L. D., Roth li, T. C., & Pravosudov, V. V. (2012). Elevation-related differences in memory and the hippocampus in mountain chickadees, *Poecile gambeli*. *Animal Behaviour*, (0). doi:

10.1016/j.anbehav.2012.04.018.

<http://www.sciencedirect.com/science/article/pii/S0003347212001765>

Freas, C. A., Roth, T. C., LaDage, L. D., & Pravosudov, V. V. (2013). Hippocampal neuron soma size is associated with population differences in winter climate severity in food-caching chickadees. *Functional Ecology*, n/a-n/a. doi: 10.1111/1365-

2435.12125. <http://dx.doi.org/10.1111/1365-2435.12125>

Fréchette, M., Rennie, K., & Pappas, B. A. (2009). Developmental forebrain cholinergic lesion and environmental enrichment: behaviour, CA1 cytoarchitecture and neurogenesis. *Brain Research*, 1252, 172-182. doi.

Freedman, L. J., Insel, T. R., & Smith, Y. (2000). Subcortical projections of area 25 (subgenual cortex) of the macaque monkey *Journal of Comparative Neurology*, 421(2), 172-188. doi.

Fregoso, S. P., & Hoover, D. B. (2012). Development of Cardiac Parasympathetic Neurons, Glial Cells, and Regional Cholinergic Innervation of the Mouse Heart. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.06.061.

<http://www.sciencedirect.com/science/article/pii/S0306452212006793?v=s5>

French, T., Hambardzumyan, D., Matzinger, P., Dunay, I. R., & Wolf, S. A. (2016). Ly6C hi Monocytes Provide a Link between Antibiotic-Induced Changes in Gut Microbiota and Adult Hippocampal Neurogenesis. doi: [http://www.cell.com/cell-reports/pdf/S2211-1247\(16\)30518-6.pdf](http://www.cell.com/cell-reports/pdf/S2211-1247(16)30518-6.pdf)

Fried, G. A., & Bohn, P. W. (2000). Imaging Ultrathin Organic Films on the Nanometer Level Using Surface Plasmons. *Microscopy and Microanalysis*, 6, 712-713. doi.

Friedemann, T., Ying, Y., Wang, W., Kramer, E. R., Schumacher, U., Fei, J., & Schröder, S. (2016). Neuroprotective Effect of *Coptis chinensis* in MPP+ and MPTP-Induced Parkinson's Disease Models. *The American Journal of Chinese Medicine*, 0(0), 1-19. doi: 10.1142/S0192415X16500506

27430912. <http://www.worldscientific.com/doi/abs/10.1142/S0192415X16500506>

Friedman, L. G., Lachenmayer, M. L., Wang, J., He, L., Poulou, S. M., Komatsu, M., . . . Yue, Z. (2012). Disrupted Autophagy Leads to Dopaminergic Axon and Dendrite Degeneration and Promotes Presynaptic Accumulation of α -Synuclein and LRRK2 in the Brain. *Journal of Neuroscience*, 32(22), 7585-7593. doi.

Friedrich, I., Reimann, K., Jankuhn, S., Kirilina, E., Stieler, J., Sonntag, M., . . . Morawski, M. (2021). Cell specific quantitative iron mapping on brain slices by immuno- μ PIXE in healthy

elderly and Parkinson's disease. *Acta Neuropathologica Communications*, 9(1), 47. doi: 10.1186/s40478-021-01145-2. <https://doi.org/10.1186/s40478-021-01145-2>

FRIEDRICH, R. E., BEHRENDT, C.-A., GLATZEL, M., & HAGEL, C. (2015). Vascular Innervation in Benign Neurofibromas of Patients with Neurofibromatosis Type 1. *Anticancer Research*, 35(12), 6509-6516. doi: <http://ar.iiarjournals.org/content/35/12/6509.abstract>

Friel, K., Chakrabarty, S., Kuo, H.-C., & Martin, J. (2012). Using Motor Behavior during an Early Critical Period to Restore Skilled Limb Movement after Damage to the Corticospinal System during Development. *Journal of Neuroscience*, 32(27), 9265-9276. doi: 10.1523/jneurosci.1198-12.2012. <http://www.jneurosci.org/content/32/27/9265.abstract>

Friess, S. H., Lapidus, J. B., & Brody, D. L. (2015). Decompressive craniectomy reduces white matter injury following controlled cortical impact in mice. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3564. <http://dx.doi.org/10.1089/neu.2014.3564>

Fritsch, B., Qashu, F., Figueiredo, T. H., Aroniadou-Anderjaska, V., Rogawski, M. A., & Braga, M. F. M. (2009). Pathological alterations in GABAergic interneurons and reduced tonic inhibition in the basolateral amygdala during epileptogenesis. *Neuroscience*, 163(1), 415-429. doi.

Fritschi, S., Cintron, A., Ye, L., Mahler, J., Bühler, A., Baumann, F., . . . Jucker, M. (2014). A β seeds resist inactivation by formaldehyde. *Acta Neuropathologica*, 128(4), 477-484. doi: 10.1007/s00401-014-1339-2. <http://dx.doi.org/10.1007/s00401-014-1339-2>

Fritschi, S. K., Langer, F., Kaeser, S. A., Maia, L. F., Portelius, E., Pinotsi, D., . . . Jucker, M. (2014). Highly potent soluble amyloid- β seeds in human Alzheimer brain but not cerebrospinal fluid. *Brain*. doi: 10.1093/brain/awu255. http://brain.oxfordjournals.org/content/early/2014/09/10/brain.a_wu255.ab...

Fryer, J. D., Simmons, K., Parsadanian, M., Bales, K. R., Paul, S. M., Sullivan, P. M., & Holtzman, D. M. (2005). Human Apolipoprotein E4 Alters the Amyloid- β 40:42 Ratio and Promotes the Formation of Cerebral Amyloid Angiopathy in an Amyloid Precursor Protein Transgenic Model. *Journal of Neuroscience*, 25(11), 2803-2810. doi: <http://www.jneurosci.org/cgi/content/abstract/25/11/2803>

Fryer, J. D., Taylor, J. W., DeMattos, R. B., Bales, K. R., Paul, S. M., Parsadanian, M., & Holtzman, D. M. (2003). Apolipoprotein E Markedly Facilitates Age-Dependent Cerebral Amyloid Angiopathy and Spontaneous Hemorrhage in Amyloid Precursor Protein Transgenic Mice. *Journal of Neuroscience*, 23(21), 7889-7896. doi: <http://www.jneurosci.org/cgi/content/abstract/23/21/7889>

Fu, B., Le Prell, C., Simmons, D., Lei, D., Schrader, A., Chen, A. B., & Bao, J. (2010). Age-related synaptic loss of the medial olivocochlear efferent innervation. *Molecular Neurodegeneration*, 5(1), 53-53. doi.

Fujita, A., Yamaguchi, H., Yamasaki, R., Cui, Y., Matsuoka, Y., Yamada, K.-i., & Kira, J.-i. (2018). Connexin 30 deficiency attenuates A2 astrocyte responses and induces severe neurodegeneration in a 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine hydrochloride

Parkinson's disease animal model. [journal article]. *Journal of neuroinflammation*, 15(1), 227. doi: 10.1186/s12974-018-1251-0. <https://doi.org/10.1186/s12974-018-1251-0>

Fujita, K., Seike, T., Yutsudo, N., Ohno, M., Yamada, H., Yamaguchi, H., . . . others. (2009). Hydrogen in drinking water reduces dopaminergic neuronal loss in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine mouse model of Parkinson's disease. *PLoS ONE*, 4(9), e7247- e7247. doi.

Fujita, S., Mizoguchi, N., Aoki, R., Cui, Y., Koshikawa, N., & Kobayashi, M. (2015). Cytoarchitecture-Dependent Decrease in Propagation Velocity of Cortical Spreading Depression in the Rat Insular Cortex Revealed by Optical Imaging. *Cerebral Cortex*. doi: 10.1093/cercor/bhu336. <http://cercor.oxfordjournals.org/content/early/2015/01/15/cerc.or.bhu336....>

Fukui, H., Diaz, F., Garcia, S., & Moraes, C. T. (2007). Cytochrome c oxidase deficiency in neurons decreases both oxidative stress and amyloid formation in a mouse model of Alzheimer's disease. *Proceedings of the National Academy of Sciences*, 104(35), 14163- 14168. doi: 10.1073/Proceedings of the National Academy of Sciences.0705738104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/35/14163>

Fukushima, M., Lee, S. M., Moro, N., Hovda, D. A., & Sutton, R. L. (2009). Metabolic and histologic effects of sodium pyruvate treatment in the rat after cortical contusion injury. *Journal of Neurotrauma*, 26(7), 1095-1110. doi.

Fukusumi, Y., Meier, F., Götz, S., Matheus, F., Irmeler, M., Beckervordersandforth, R., . . . Zhang, J. (2015). Dickkopf 3 Promotes the Differentiation of a Rostrolateral Midbrain Dopaminergic Neuronal Subset In Vivo and from Pluripotent Stem Cells In Vitro in the Mouse. *The Journal of Neuroscience*, 35(39), 13385-13401. doi. <http://www.jneurosci.org/content/35/39/13385.abstract>

Fung, S. J., Joshi, D., Allen, K. M., Sivagnanasundaram, S., Rothmond, D. A., Saunders, R., . . . Weickert, C. S. (2011). Developmental Patterns of Doublecortin Expression and White Matter Neuron Density in the Postnatal Primate Prefrontal Cortex and Schizophrenia. *PLoS ONE*, 6(9), e25194-e25194. doi.

Funk, C. K., O'Dell, L. E., Crawford, E. F., & Koob, G. F. (2006). Corticotropin-Releasing Factor within the Central Nucleus of the Amygdala Mediates Enhanced Ethanol Self-Administration in Withdrawn, Ethanol-Dependent Rats. *Journal of Neuroscience*, 26(44), 11324-11332. doi: 10.1523/jneurosci.3096-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/44/11324>

Furcila, D., Domínguez-Álvaro, M., DeFelipe, J., & Alonso-Nanclares, L. (2019). Subregional Density of Neurons, Neurofibrillary Tangles and Amyloid Plaques in the Hippocampus of Patients With Alzheimer's Disease. *Frontiers in Neuroanatomy*, 13, 99-99. doi: 10.3389/fnana.2019.00099. <https://www.ncbi.nlm.nih.gov/pubmed/31920568>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6930895/>

Furlan, J. C., Hawryluk, G. W., Austin, J., & Fehlings, M. G. (2012). Spinal haemorrhage during anticoagulant regimen for thromboprophylaxis: a unique form of central nervous system haemorrhage. *Journal of Neurology, Neurosurgery and Psychiatry*. doi.

Furlanetti, L. L., Coenen, V. A., Aranda, I. A., & Döbrössy, M. D. (2015). Chronic deep brain stimulation of the medial forebrain bundle reverses depressive-like behavior in a hemiparkinsonian rodent model. *Experimental Brain Research*, 1-13. doi: <http://link.springer.com/article/10.1007/s00221-015-4375-9/fulltext.html>

Furlanetti, L. L., Coenen, V. A., & Döbrössy, M. D. (2016). Ventral tegmental area dopaminergic lesion-induced depressive phenotype in the rat is reversed by deep brain stimulation of the medial forebrain bundle. *Behavioural Brain Research*, 299, 132-140. doi: <http://dx.doi.org/10.1016/j.bbr.2015.11.036>.
<http://www.sciencedirect.com/science/article/pii/S0166432815303090>

Furlanetti, L. L., Cordeiro, J. G., Cordeiro, K. K., García, J. A., Winkler, C., Lepski, G. A., . . . Döbrössy, M. D. (2015). Continuous High-Frequency Stimulation of the Subthalamic Nucleus Improves Cell Survival and Functional Recovery Following Dopaminergic Cell Transplantation in Rodents. *Neurorehabilitation and neural repair*. doi: 10.1177/1545968315581419. <http://nnr.sagepub.com/content/early/2015/04/09/1545968315581419.abstract>

Furmanski, O., Gajavelli, S., Lee, J. W., Collado, M. E., Jergova, S., & Sagen, J. (2009). Combined extrinsic and intrinsic manipulations exert complementary neuronal enrichment in embryonic rat neural precursor cultures: an in vitro and in vivo analysis. *Journal of Comparative Neurology*, 515(1), 56-71. doi.

Furne, C., Ricard, J., Cabrera, J. R., Pays, L., Bethea, J. R., Mehlen, P., & Liebl, D. J. (2009). EphrinB3 is an anti-apoptotic ligand that inhibits the dependence receptor functions of EphA4 receptors during adult neurogenesis. *Biochimica et Biophysica Acta (BBA)-Molecular Cell Research*, 1793(2), 231-238. doi.

Fuss, J., Abdallah, N. M. B. B., Hensley, F. W., Weber, K. J., Hellweg, R., & Gass, P. (2010). Deletion of running-induced hippocampal neurogenesis by irradiation prevents development of an anxious phenotype in mice. *PLoS ONE*, 5(9), e12769-e12769. doi.

Fuss, J., Ben Abdallah, N. M. B., Vogt, M. A., Touma, C., Pacifici, P. G., Palme, R., . . . Gass, P. (2010). Voluntary exercise induces anxiety-like behavior in adult C57BL/6J mice correlating with hippocampal neurogenesis. *Hippocampus*, 20(3), 364-376. doi.

Fuzzati-Armentero, M.-T., Cerri, S., Levandis, G., Ambrosi, G., Montepeloso, E., Antoninetti, G., . . . Pinna, A. (2015). Dual target strategy: combining distinct non-dopaminergic treatments reduces neuronal cell loss and synergistically modulates L-DOPA-induced rotational behavior in a rodent model of Parkinson's disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13162. <http://dx.doi.org/10.1111/jnc.13162>

Gabehart, K., Correll, K. A., Yang, J., Collins, M. L., Loader, J. E., Leach, S., . . . Dakhama, A. (2013). Transcriptome profiling of the newborn mouse lung response to acute ozone exposure. *Toxicological Sciences*. doi:

10.1093/toxsci/kft276.

<http://toxsci.oxfordjournals.org/content/early/2013/12/11/toxsci.kf t276....>

Gadadhar, A., Marr, R., & Lazarov, O. (2011). Presenilin-1 Regulates Neural Progenitor Cell Differentiation in the Adult Brain. *Journal of Neuroscience*, 31(7), 2615-2623. doi: 10.1523/jneurosci.4767-10.2011.

<http://www.jneurosci.org/content/31/7/2615.abstract>

Gaglani, S., Lu, L., Williams, R., & Rosen, G. (2009). The genetic control of neocortex volume and covariation with neocortical gene expression in mice. *BMC Neuroscience*, 10(1), 44. doi: <http://www.biomedcentral.com/1471-2202/10/44>

Gagnon, D., Petryszyn, S., Sanchez, M. G., Bories, C., Beaulieu, J. M., De Koninck, Y., . . . Parent, M. (2017). Striatal Neurons Expressing D1 and D2 Receptors are Morphologically Distinct and Differently Affected by Dopamine Denervation in Mice. [Article]. *Scientific Reports*, 7, 41432. doi: 10.1038/srep41432

<http://www.nature.com/articles/srep41432#supplementary-information>. <http://dx.doi.org/10.1038/srep41432>

Gajavelli, S., Kentaro, S., Diaz, J., Yokobori, S., Spurlock, M., Diaz, D., . . . Bullock, M. R. (2015). Glucose and oxygen metabolism after penetrating ballistic-like brain injury. [Original Article]. *Journal of Cerebral Blood Flow and Metabolism*. doi:

10.1038/jcbfm.2014.243. <http://dx.doi.org/10.1038/jcbfm.2014.243>

Galaj, E., Kipp, B. T., Floresco, S. B., & Savage, L. M. (2019). Persistent alterations of accumbal cholinergic interneurons and cognitive dysfunction after adolescent intermittent ethanol exposure. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.01.062>.

<http://www.sciencedirect.com/science/article/pii/S0306452219300892>

Galambos, C., Sims-Lucas, S., & Abman, S. H. (2013). Histologic Evidence of Intrapulmonary Anastomoses by Three-Dimensional Reconstruction in Severe Bronchopulmonary Dysplasia. *Annals of the American Thoracic Society*. doi: 10.1513/AnnalsATS.201305-124OC.

<http://www.atsjournals.org/doi/abs/10.1513/AnnalsATS.201305-124OC>

Galambos, C., Sims-Lucas, S., & Abman, S. H. (2013). Three-Dimensional Reconstruction Identifies Misaligned Pulmonary Veins as Intrapulmonary Shunt Vessels in Alveolar Capillary Dysplasia. *Journal of Pediatrics*, (o).

doi: <http://dx.doi.org/10.1016/j.jpeds.2013.08.035>.

<http://www.sciencedirect.com/science/article/pii/S0022347613010639>

Galarneau, H., Villeneuve, J., Gowing, G., Julien, J.-P., & Vallieres, L. (2007). Increased Glioma Growth in Mice Depleted of Macrophages. *Cancer Research*, 67(18), 8874-8881. doi: 10.1158/0008-5472.can-07-

0177. <http://cancerres.aacrjournals.org/cgi/content/abstract/67/18/8874>

Galeeva, A., Treuter, E., & Peltö-Huikko, M. (2003). Development, Plasticity, Stem Cell Biology, Axonal Growth and Guidance. *Regulation*, 16, 04-04. doi.

Galic, M. A., Riazi, K., Heida, J. G., Mouihate, A., Fournier, N. M., Spencer, S. J., . . . Pittman, Q. J. (2008). Postnatal Inflammation Increases Seizure Susceptibility in Adult Rats. *Journal of Neuroscience*, 28(27), 6904-6913. doi: 10.1523/jneurosci.1901-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/27/6904>

Galinato, M. H., Lockner, J. W., Fannon-Pavlich, M. J., Sobieraj, J. C., Staples, M. C., Somkuwar, S. S., . . . Mandyam, C. D. (2017). A synthetic small-molecule Isoxazole-9 protects against methamphetamine relapse. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2017.46. <http://dx.doi.org/10.1038/mp.2017.46>

Galli, R., Sitoci-Ficici, K. H., Uckermann, O., Later, R., Marečková, M., Koch, M., . . . Kirsch, M. (2018). Label-free multiphoton microscopy reveals relevant tissue changes induced by alginate hydrogel implantation in rat spinal cord injury. *Scientific Reports*, 8(1), 10841. doi: 10.1038/s41598-018-29140-z. <https://doi.org/10.1038/s41598-018-29140-z>

Galliano, E., Gao, Z., Schonewille, M., Todorov, B., Simons, E., Pop, Andreea S., . . . De Zeeuw, Chris I. (2013). Silencing the Majority of Cerebellar Granule Cells Uncovers Their Essential Role in Motor Learning and Consolidation. *Cell Reports*, (0). doi: <http://dx.doi.org/10.1016/j.celrep.2013.03.023>. <http://www.sciencedirect.com/science/article/pii/S2211124713001307>

Galvan, M. D., Luchetti, S., Burgos, A. M., Nguyen, H. X., Hooshmand, M. J., Hamers, F. P. T., & Anderson, A. J. (2008). Deficiency in Complement C1q Improves Histological and Functional Locomotor Outcome after Spinal Cord Injury. *Journal of Neuroscience*, 28(51), 13876-13888. doi: 10.1523/jneurosci.2823-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/51/13876>

Galvez, R., Weiss, C., Weible, A. P., & Disterhoft, J. F. (2006). Vibrissa-Signaled Eyeblick Conditioning Induces Somatosensory Cortical Plasticity. *Journal of Neuroscience*, 26(22), 6062-6068. doi: 10.1523/jneurosci.5582-05.2006. <http://www.jneurosci.org/cgi/content/abstract/26/22/6062>

Gama, C. I., Tully, S. E., Sotogaku, N., Clark, P. M., Rawat, M., Vaidehi, N., . . . Hsieh-Wilson, L. C. (2006). Sulfation patterns of glycosaminoglycans encode molecular recognition and activity. *Nature of Chemical Biology*, 2, 467-473. doi:

Gama Sosa, M. A., Gasperi, R. D., Rocher, A. B., Wang, A. C.-J., Janssen, W. G. M., Flores, T., . . . Elder, G. A. (2010). Age-Related Vascular Pathology in Transgenic Mice Expressing Presenilin 1-Associated Familial Alzheimer's Disease Mutations. *American Journal of Pathology* 176(1), 353-368. doi: 10.2353/ajpath.2010.090482. <http://ajp.amjpathol.org/cgi/content/abstract/176/1/353>

Gamblin, T. C., Chen, F., Zambrano, A., Abraha, A., Lagalwar, S., & Guillozet, A. L. (2003). Caspase cleavage of tau: linking amyloid and neurofibrillary tangles in Alzheimer's disease. *Proceedings of the National Academy of Sciences of the United States of America*, 100. doi: 10.1073/pnas.1630428100. <http://dx.doi.org/10.1073/pnas.1630428100>

Games, D., Valera, E., Spencer, B., Rockenstein, E., Mante, M., Adame, A., . . . Sacayon, P. (2014). Reducing C-Terminal-Truncated Alpha-Synuclein by Immunotherapy Attenuates

Neurodegeneration and Propagation in Parkinson's Disease-Like Models. *The Journal of Neuroscience*, 34(28), 9441-9454. doi: <http://www.jneurosci.org/content/34/28/9441.short>

Gami-Patel, P., van Dijken, I., van Swieten, J. C., Pijnenburg, Y. A. L., Brain Bank, N., Rozemuller, A. J. M., . . . Dijkstra, A. A. (2019). Von Economo neurons are part of a larger neuronal population that are selectively vulnerable in C9orf72 frontotemporal dementia. *Neuropathology and Applied Neurobiology*, 0(ja). doi: 10.1111/nan.12558. <https://onlinelibrary.wiley.com/doi/abs/10.1111/nan.12558>

Gamo, N., Duque, A., Paspalas, C., Kata, A., Fine, R., Boven, L., . . . Bermudez, L. (2013). Role of disrupted in schizophrenia 1 (DISC1) in stress-induced prefrontal cognitive dysfunction. *Translational Psychiatry*, 3(12), e328. doi: <http://www.nature.com/tp/journal/v3/n12/abs/tp2013104a.html>

Gampe, K., Stefani, J., Hammer, K., Brendel, P., Pötzsch, A., Enikolopov, G., . . . Zimmermann, H. (2014). NTPDase2 and Purinergic Signaling Control Progenitor Cell Proliferation in Neurogenic Niches of the Adult Mouse Brain. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1846. <http://dx.doi.org/10.1002/stem.1846>

Ganat, Y. M., Calder, E. L., Kriks, S., Nelander, J., Tu, E. Y., Jia, F., . . . Tomishima, M. J. (2012). Identification of embryonic stem cell-derived midbrain dopaminergic neurons for engraftment. *Journal of Clinical Investigation*, 0-0. doi:

Ganat, Y. M., Silbereis, J., Cave, C., Ngu, H., Anderson, G. M., Ohkubo, Y., . . . Vaccarino, F. M. (2006). Early Postnatal Astroglial Cells Produce Multilineage Precursors and Neural Stem Cells In Vivo. *Journal of Neuroscience*, 26(33), 8609-8621. doi: 10.1523/jneurosci.2532-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/33/8609>

Gandhi, R., Luk, K. C., Rymar, V. V., & Sadikot, A. F. (2008). Group I mGluR5 metabotropic glutamate receptors regulate proliferation of neuronal progenitors in specific forebrain developmental domains. *Journal of Neurochemistry*, 104(1), 155-172. doi: 10.1111/j.1471-4159.2007.04955.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.04955.x>

Ganeshan, V., Skladnev, N. V., Kim, J. Y., Mitrofanis, J., Stone, J., & Johnstone, D. M. (2019). Pre-conditioning with Remote Photobiomodulation Modulates the Brain Transcriptome and Protects Against MPTP Insult in Mice. *Neuroscience*, 400, 85-97. doi: <https://doi.org/10.1016/j.neuroscience.2018.12.050>. <http://www.sciencedirect.com/science/article/pii/S0306452219300016>

Ganguly, K., Favor, J., Neuhäuser-Klaus, A., Sandulache, R., Puk, O., Beckers, J., . . . others. (2008). Novel allele of Crybb2 in the mouse and its expression in the brain. *Investigative Ophthalmology and Visual Science*, 49(4), 1533-1541. doi:

Gannon, P. J., Kheck, N., & Hof, P. R. (2008). Leftward interhemispheric asymmetry of macaque monkey temporal lobe language area homolog is evident at the cytoarchitectural, but not gross anatomic level. *Brain Research*, 1199, 62-73. doi:

Gantelet, E., Kraftsik, R., Delaloye, S., Gourdon, G., Kuntzer, T., & Barakat-Walter, I. (2007). The expansion of 300 CTG repeats in myotonic dystrophy transgenic mice does not induce sensory or motor neuropathy. *Acta Neuropathologica*, 114(2), 175-185. doi.

Gantois, I., Fang, K., Jiang, L., Babovic, D., Lawrence, A. J., Ferreri, V., . . . Drago, J. (2007). Ablation of D1 dopamine receptor-expressing cells generates mice with seizures, dystonia, hyperactivity, and impaired oral behavior. *Proceedings of the National Academy of Sciences*, 104(10), 4182-4187. doi: 10.1073/Proceedings of the National Academy of Sciences.0611625104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/10/4182>

Gao, H., Glatzer, N. R., Williams, K. W., Derbenev, A. V., Liu, D., & Smith, B. N. (2009). Morphological and electrophysiological features of motor neurons and putative interneurons in the dorsal vagal complex of rats and mice. *Brain Research*, 1291, 40-52. doi.

Gao, J., Kang, X.-y., Sun, S., Li, L., & Gao, D.-s. (2019). MES23.5 DA Immortalized Neuroblastoma Cells Self-protect Against Early Injury by Overexpressing Glial Cell-derived Neurotrophic Factor via Akt1/Eya1/Six2 Signaling. [journal article]. *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-019-01416-7. <https://doi.org/10.1007/s12031-019-01416-7>

Gao, J., Qin, D.-l., Tang, C.-x., Kang, X.-y., Song, C.-j., & Zhang, C.-t. (2021). Smarcd1 antagonizes the apoptosis of injured MES23.5 DA cells by enhancing the effect of Six2 on GDNF expression. *Neuroscience Letters*, 136088. doi: <https://doi.org/10.1016/j.neulet.2021.136088>. <https://www.sciencedirect.com/science/article/pii/S0304394021004663>

Gao, Q., Sun, M., Wang, X., & Geller, A. I. (2007). Isolation of an enhancer from the rat tyrosine hydroxylase promoter that supports long-term, neuronal-specific expression from a neurofilament promoter, in a helper virus-free HSV-1 vector system. *Brain Research*, 1130, 1-16. doi.

Gao, Q., Sun, M., Wang, X., Zhang, G., & Geller, A. I. (2006). Long-term inducible expression in striatal neurons from helper virus-free HSV-1 vectors that contain the tetracycline-inducible promoter system. *Brain Research*, 1083(1), 1-13. doi.

Gao, X., Deng, P., Xu, Z. C., & Chen, J. (2011). Moderate Traumatic Brain Injury Causes Acute Dendritic and Synaptic Degeneration in the Hippocampal Dentate Gyrus. *PLoS ONE*, 6(9), e24566-e24566. doi.

Gao, X., Smith, G. M., & Chen, J. (2009). Impaired dendritic development and synaptic formation of postnatal-born dentate gyrus granular neurons in the absence of brain-derived neurotrophic factor signaling. *Experimental Neurology*, 215(1), 178-190. doi.

Gao, Y., Shen, M., Gonzalez, J. C., Dong, Q., Kannan, S., Hoang, J. T., . . . Zhao, X. (2020). RGS6 Mediates Effects of Voluntary Running on Adult Hippocampal Neurogenesis. *Cell Reports*, 32(5), 107997. doi: <https://doi.org/10.1016/j.celrep.2020.107997>. <http://www.sciencedirect.com/science/article/pii/S2211124720309827>

Garas, F. N., Shah, R. S., Kormann, E., Doig, N. M., Vinciati, F., Nakamura, K. C., . . . Sharott, A. (2016). Secretagogen expression delineates functionally-specialized populations of striatal parvalbumin-containing interneurons. [JOUR]. eLife, 5, e16088. doi:

10.7554/eLife.16088. <https://dx.doi.org/10.7554/eLife.16088>

Garbelli, R., Milesi, G., Medici, V., Villani, F., Didato, G., Deleo, F., . . . Spreafico, R. (2012). Blurring in patients with temporal lobe epilepsy: clinical, high-field imaging and ultrastructural study. Brain. doi:

10.1093/brain/aws149. <http://brain.oxfordjournals.org/content/early/2012/06/22/brain.aws149.ab...>

Garbuzova-Davis, S., Haller, E., Tajiri, N., Thomson, A., Barretta, J., Williams, S. N., . . . Borlongan, C. V. (2016). Blood-Spinal Cord Barrier Alterations in Subacute and Chronic Stages of a Rat Model of Focal Cerebral Ischemia. [10.1093/jnen/nlw040]. Journal of Neuropathology and Experimental Neurology.

doi. <http://jnen.oxfordjournals.org/content/early/2016/06/08/jnen.nlw040.abst...>

Garbuzova-Davis, S., Rodrigues, M. C. O., Mirtyl, S., Turner, S., Mitha, S., Sodhi, J., . . . others. (2012). Multiple Intravenous Administrations of Human Umbilical Cord Blood Cells Benefit in a Mouse Model of ALS. PLoS ONE, 7(2), e31254-e31254. doi.

Garcia, A. D. R., Doan, N. B., Imura, T., Bush, T. G., & Sofroniew, M. V. (2004). GFAP-expressing progenitors are the principal source of constitutive neurogenesis in adult mouse forebrain. Nature Neuroscience, 7, 1233-1241. doi.

Garcia, A. D. R., Petrova, R., Eng, L., & Joyner, A. L. (2010). Sonic Hedgehog Regulates Discrete Populations of Astrocytes in the Adult Mouse Forebrain. Journal of Neuroscience, 30(41), 13597-13608. doi: 10.1523/jneurosci.0830-

10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/41/13597>

García, J., Carlsson, T., Döbrösy, M., Nikkhah, G., & Winkler, C. (2011). Extent of pre-operative L-DOPA-induced dyskinesia predicts the severity of graft-induced dyskinesia after fetal dopamine cell transplantation. Experimental Neurology. doi.

García, J., Carlsson, T., Döbrösy, M., Nikkhah, G., & Winkler, C. (2012). Impact of dopamine versus serotonin cell transplantation for the development of graft-induced dyskinesia in a rat Parkinson model. Brain Research, (b). doi:

10.1016/j.brainres.2012.06.029.

<http://www.sciencedirect.com/science/article/pii/S0006899312011031>

García-Cabezas, M. Á., & Barbas, H. (2014). Area 4 has layer IV in adult primates. European Journal of Neuroscience, n/a-n/a. doi: 10.1111/ejn.12585.

<http://dx.doi.org/10.1111/ejn.12585>

García-Cabezas, M. Á., & Barbas, H. (2016). Anterior Cingulate Pathways May Affect Emotions Through Orbitofrontal Cortex. Cerebral Cortex. doi:

10.1093/cercor/bhw284.

<http://cercor.oxfordjournals.org/content/early/2016/09/20/cercor.bhw284....>

García-Cabezas, M. Á., Joyce, M. K. P., John, Y. J., Zikopoulos, B., & Barbas, H. (2017). Mirror trends of plasticity and stability indicators in primate prefrontal cortex. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.13706. <http://dx.doi.org/10.1111/ejn.13706>

García-Lezana, T., Oria, M., Romero-Giménez, J., Bové, J., Vila, M., Genescà, J., . . . Cordoba, J. (2016). Cerebellar neurodegeneration in a new rat model of episodic hepatic encephalopathy. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x16649196. <http://jcb.sagepub.com/content/early/2016/05/05/0271678X.16649196.abstract>

García-Marin, V., Blazquez-Llorca, L., Rodriguez, J. R., Gonzalez-Soriano, J., & DeFelipe, J. (2010). Differential distribution of neurons in the gyral white matter of the human cerebral cortex. *Journal of Comparative Neurology*, 518(23), 4740-4759. doi: <http://dx.doi.org/10.1002/cne.22485>

Garcia-Miralles, M., Geva, M., Tan, J. Y., Yusof, N. A. B. M., Cha, Y., Kusko, R., . . . Pouladi, M. A. (2017). Early pridopidine treatment improves behavioral and transcriptional deficits in YAC128 Huntington disease mice. *JCI Insight*, 2(23). doi: 10.1172/jci.insight.95665. <https://doi.org/10.1172/jci.insight.95665>

Garcia-Miralles, M., Hong, X., Tan, L. J., Caron, N. S., Huang, Y., To, X. V., . . . Pouladi, M. A. (2016). Laquinimod rescues striatal, cortical and white matter pathology and results in modest behavioural improvements in the YAC128 model of Huntington disease. [Article]. *Scientific Reports*, 6, 31652. doi: 10.1038/srep31652

<http://www.nature.com/articles/srep31652#supplementary-information>. <http://dx.doi.org/10.1038/srep31652>

Garcia-Miralles, M., Yusof, N. A. B. M., Tan, J. Y., Radulescu, C. I., Sidik, H., Tan, L. J., . . . Pouladi, M. A. (2018). Laquinimod Treatment Improves Myelination Deficits at the Transcriptional and Ultrastructural Levels in the YAC128 Mouse Model of Huntington Disease. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-1393-1. <https://doi.org/10.1007/s12035-018-1393-1>

Garcia-Reitböck, P., Anichtchik, O., Dalley, J. W., Ninkina, N., Tofaris, G. K., Buchman, V., & Spillantini, M. G. (2013). Endogenous alpha-synuclein influences the number of dopaminergic neurons in mouse substantia nigra. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.07.015>. <http://www.sciencedirect.com/science/article/pii/S001448861300232X>

Gardella, D., Hatton, W. J., Rind, H. B., Rosen, G. D., & von Bartheld, C. S. (2003). Differential tissue shrinkage and compression in the z-axis: implications for optical disector counting in vibratome-, plastic- and cryosections. *Journal of Neuroscience*, 124, 45-59. doi.

Gardian, G., Browne, S. E., Choi, D.-K., Klivenyi, P., Gregorio, J., Kubilus, J. K., . . . Beal, M. F. (2005). Neuroprotective Effects of Phenylbutyrate in the N171-82Q Transgenic Mouse Model of Huntington's Disease. *Journal of Biological Chemistry*, 280(1), 556-563. doi: 10.1074/jbc.M410210200. <http://www.jbc.org/cgi/content/abstract/280/1/556>

Gardian, G., Yang, L., Cleren, C., Calingasan, N. Y., Klivenyi, P., & Beal, M. F. (2004). Neuroprotective effects of phenylbutyrate against MPTP neurotoxicity. *Neuromolecular Medicine*, 5(3), 235-241. doi.

Garfield, A. S., Chan, W. S., Dennis, R. J., Ito, D., Heisler, L. K., & Rochford, J. J. (2012). Neuroanatomical characterisation of the expression of the lipodystrophy and motor- neuropathy gene Bsl2 in adult mouse brain. *Plos one*, 7. doi: 10.1371/journal.pone.0045790. <http://dx.doi.org/10.1371/journal.pone.0045790>

Garitaonandia, I., Gonzalez, R., Christiansen-Weber, T., Abramihina, T., Poustovoitov, M., Noskov, A., . . . Kern, R. (2016). Neural Stem Cell Tumorigenicity and Biodistribution Assessment for Phase I Clinical Trial in Parkinson's Disease. [Article]. *Scientific Reports*, 6, 34478. doi: 10.1038/srep34478

<http://www.nature.com/articles/srep34478#supplementary-information>. <http://dx.doi.org/10.1038/srep34478>

Garraway, S. M., Turtle, J. D., Huie, J. R., Lee, K. H., Hook, M. A., Woller, S. A., & Grau, J. W. (2011). Intermittent noxious stimulation following spinal cord contusion injury impairs locomotor recovery and reduces spinal brain-derived neurotrophic factor-tropomyosin- receptor-kinase signaling in adult rats. *Neuroscience*. doi.

Garrett, J. E., Kim, I., Wilson, R. E., & Wellman, C. L. (2006). Effect of N-methyl-d-aspartate receptor blockade on plasticity of frontal cortex after cholinergic deafferentation in rat. *Neuroscience*, 140(1), 57-66. doi.

Garrett, L., Becker, L., Rozman, J., Puk, O., Stoeger, T., Yildirim, A. Ö., . . . Hölter, S. M. (2017). Fgfg Y162C Mutation Alters Information Processing and Social Memory in Mice. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-017-0659-3

3. <https://doi.org/10.1007/s12035-017-0659-3>

<http://dx.doi.org/10.1007/s12035-017-0659-3>

Garrett, L., Chang, Y. J., Niedermeier, K. M., Heermann, T., Enard, W., Fuchs, H., . . . Hölter, S. M. (2020). A truncating Aspm allele leads to a complex cognitive phenotype and region- specific reductions in parvalbuminergic neurons. *Translational Psychiatry*, 10(1), 66. doi: 10.1038/s41398-020-0686-0. <https://doi.org/10.1038/s41398-020-0686-0>

Garrett, L., Ung, M. C., Heermann, T., Niedermeier, K. M., & Hölter, S. (2018). Analysis of Neuropsychiatric Disease-Related Functional Neuroanatomical Markers in Mice. *Current Protocols in Mouse Biology*, 8(1), 79-128. doi:

doi:10.1002/cpmo.37.

<https://currentprotocols.onlinelibrary.wiley.com/doi/abs/10.1002/cp mo.37>

Garrido Sanabria, E. R., Castañeda, M. T., Banuelos, C., Perez-Cordova, M. G., Hernandez, S., & Colom, L. V. (2006). Septal GABAergic neurons are selectively vulnerable to pilocarpine- induced status epilepticus and chronic spontaneous seizures. *Neuroscience*, 142(3), 871-883. doi.

Gärtner, U., Alpár, A., Reimann, F., Seeger, G., Heumann, R., & Arendt, T. (2004). Constitutive Ras activity induces hippocampal hypertrophy and remodeling of pyramidal neurons in synRas mice. *Journal of Neuroscience Research*, 77(5), 630-641. doi.

Garza-Gisholt, E., Hart, N. S., & Collin, S. P. (2018). Retinal Morphology and Visual Specializations in Three Species of Chimaeras, the Deep-Sea *R. pacifica* and *C. lignaria*, and the Vertical Migrator *C. milii* (Holocephali). *Brain, Behavior and Evolution*, 1-16. doi. <https://www.karger.com/Article/Abstract/490655>

Garza-Gisholt, E., Hemmi, J. M., Hart, N. S., & Collin, S. P. (2014). A Comparison of Spatial Analysis Methods for the Construction of Topographic Maps of Retinal Cell Density. *Plos one*, 9(4), e93485. doi: 10.1371/journal.pone.0093485. <http://dx.doi.org/10.1371%2Fjournal.pone.0093485>

Garza-Gisholt, E., Kempster, R., Hart, N., & Collin, S. (2015). Visual Specializations in Five Sympatric Species of Stingrays from the Family Dasyatidae. *Brain, Behavior and Evolution*. doi. <http://www.karger.com/Article/Abstract/381091>

Gasmi, M., Brandon, E. P., Herzog, C. D., Wilson, A., Bishop, K. M., Hofer, E. K., . . . Bartus, R. T. (2007). AAV2-mediated delivery of human neurturin to the rat nigrostriatal system: long- term efficacy and tolerability of CERE-120 for Parkinson's disease. *Neurobiology of Disease*, 27(1), 67-76. doi.

Gasmi, M., Herzog, C. D., Brandon, E. P., Cunningham, J. J., Ramirez, G. A., Ketchum, E. T., & Bartus, R. T. (2006). Striatal Delivery of Neurturin by CERE-120, an AAV2 Vector for the Treatment of Dopaminergic Neuron Degeneration in Parkinson's Disease. *Molecular Therapy*, 15, 65-68. doi.

Gasparini, L., Crowther, R. A., Martin, K. R., Berg, N., Coleman, M., & Goedert, M. (2011). Tau inclusions in retinal ganglion cells of human P301S tau transgenic mice: Effects on axonal viability. *Neurobiology of Aging*, 32. doi: 10.1016/j.neurobiolaging.2009.03.002. <http://dx.doi.org/10.1016/j.neurobiolaging.2009.03.002>

Gasparini, L., Netzer, W. J., Greengard, P., & Xu, H. (2002). Does insulin dysfunction play a role in Alzheimer's disease? *Trends in Pharmacological Sciences*, 23. doi: 10.1016/S0165- 6147(02)02037-0. [http://dx.doi.org/10.1016/S0165-6147\(02\)02037-0](http://dx.doi.org/10.1016/S0165-6147(02)02037-0)

Gasparini, L., Ongini, E., & Wenk, G. (2004). Non-steroidal anti-inflammatory drugs (NSAIDs) in Alzheimer's disease: old and new mechanisms of action. *Journal of Neurochemistry*, 91. doi: 10.1111/j.1471-4159.2004.02743.x. <http://dx.doi.org/10.1111/j.1471-4159.2004.02743.x>

Gasser, E., Johannssen, H. C., Rüllicke, T., Zeilhofer, H. U., & Stoffel, M. (2016). Foxa1 is essential for development and functional integrity of the subthalamic nucleus. [Article]. *Scientific Reports*, 6, 38611. doi: 10.1038/srep38611

<http://www.nature.com/articles/srep38611#supplementary-information>. <http://dx.doi.org/10.1038/srep38611>

Gatome, C. W., Mwangi, D. K., Lipp, H. P., & Amrein, I. (2010). Hippocampal neurogenesis and cortical cellular plasticity in Wahlberg's epauletted fruit bat: a qualitative and quantitative study. *Brain, Behavior and Evolution*, 76(2), 116-127. doi.

Gatome, C. W., Slomianka, L., Lipp, H. P., & Amrein, I. (2010). Number estimates of neuronal phenotypes in layer II of the medial entorhinal cortex of rat and mouse. *Neuroscience*, 170(1), 156-165. doi.

Gatome, C. W., Slomianka, L., Mwangi, D. K., Lipp, H. P., & Amrein, I. (2010). The entorhinal cortex of the Megachiroptera: a comparative study of Wahlberg's epauletted fruit bat and the straw-coloured fruit bat. *Brain Structure and Function*, 214(4), 375-393. doi.

Geda, Y. E., Schneider, L. S., Gitlin, L. N., Miller, D. S., Smith, G. S., & Bell, J. (2013). Neuropsychiatric symptoms in Alzheimer's disease: past progress and anticipation of the future. *Alzheimers Dement*, 9. doi: 10.1016/j.jalz.2012.12.001. <http://dx.doi.org/10.1016/j.jalz.2012.12.001>

Geddes, A. J., Angka, H. E., Davies, K. A., & Kablar, B. (2006). Subpopulations of motor and sensory neurons respond differently to brain-derived neurotrophic factor depending on the presence of the skeletal muscle. *Developmental Dynamics*, 235(8), 2175-2184. doi.

Gee, D. G., Fetcho, R. N., Jing, D., Li, A., Glatt, C. E., Drysdale, A. T., . . . Consortium, t. P. (2016). Individual differences in frontolimbic circuitry and anxiety emerge with adolescent changes in endocannabinoid signaling across species. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1600013113. http://www.pnas.org/content/early/2016/03/16/1600013113.ab_struct

Gefen, T., Gasho, K., Rademaker, A., Lalehzari, M., Weintraub, S., Rogalski, E., . . . Mesulam, M. M. (2012). Clinically concordant variations of Alzheimer pathology in aphasic versus amnesic dementia. *Brain*, 135(5), 1554-1565. doi.

Gefen, T., Kawles, A., Makowski-Woidan, B., Engelmeyer, J., Ayala, I., Abbassian, P., . . . Geula, C. (2021). Paucity of Entorhinal Cortex Pathology of the Alzheimer's Type in SuperAgers with Superior Memory Performance. *Cerebral Cortex*, (bhaa409). doi: 10.1093/cercor/bhaa409. <https://doi.org/10.1093/cercor/bhaa409>

Gefen, T., Papastefan, S. T., Rezvanian, A., Bigio, E. H., Weintraub, S., Rogalski, E., . . . Geula, C. (2017). Von Economo neurons of the anterior cingulate across the lifespan and in Alzheimer's disease. *Cortex*. doi: <https://doi.org/10.1016/j.cortex.2017.10.015>. <http://www.sciencedirect.com/science/article/pii/S0010945217303611>

Gehrig, S. M., Mihaylova, V., Frese, S., Mueller, S. M., Ligon-Auer, M., Spengler, C. M., . . . Jung, H. H. (2016). Altered skeletal muscle (mitochondrial) properties in patients with mitochondrial DNA single deletion myopathy. [journal article]. *Orphanet Journal of Rare Diseases*, 11(1), 1-12. doi: 10.1186/s13023-016-0488-x. <http://dx.doi.org/10.1186/s13023-016-0488-x>

Gemma, C., Bachstetter, A. D., Cole, M. J., Fister, M., Hudson, C., & Bickford, P. C. (2007). Blockade of caspase-1 increases neurogenesis in the aged hippocampus. *European Journal of Neuroscience*, 26(10), 2795-2803. doi: doi:10.1111/j.1460-9568.2007.05875.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05875.x>

Gemma, C., Catlow, B., Cole, M., Hudson, C., Samec, A., Shah, N., . . . Bickford, P. C. (2007). Early inhibition of TNF α increases 6-hydroxydopamine-induced striatal degeneration. *Brain Research*, 1147, 240-247. doi.

Genoux, D., Haditsch, U., Knobloch, M., Michalon, A., Storm, D., & Mansuy, I. M. (2002). Protein phosphatase 1 is a molecular constraint on learning. *Nature*, 418, 970-975. doi.

Gentile, A., Musella, A., Bullitta, S., Fresegna, D., De Vito, F., Fantozzi, R., . . . Centonze, D. (2016). Siponimod (BAF312) prevents synaptic neurodegeneration in experimental multiple sclerosis. [journal article]. *Journal of neuroinflammation*, 13(1), 1-13. doi: 10.1186/s12974-016-0686-4. <http://dx.doi.org/10.1186/s12974-016-0686-4>

Gentner, T. Q., Hulse, S. H., Duffy, D., & Ball, G. F. (2001). Response Biases in Auditory Forebrain Regions of Female Songbirds Following Exposure to Sexually Relevant Variation in Male Song. *Journal of Neurobiology*, 46, 48-58. doi.

George, P. M., Oh, B., Dewi, R., Hua, T., Cai, L., Levinson, A., . . . Steinberg, G. K. (2018). Engineered stem cell mimics to enhance stroke recovery. *Biomaterials*, 178, 63-72. doi: <https://doi.org/10.1016/j.biomaterials.2018.06.010>. <https://www.sciencedirect.com/science/article/pii/S0142961218304319>

George, S., Rey, N. L., Tyson, T., Esquibel, C., Meyerdirk, L., Schulz, E., . . . Brundin, P. (2019). Microglia affect α -synuclein cell-to-cell transfer in a mouse model of Parkinson's disease. *Molecular Neurodegeneration*, 14(1), 34. doi: 10.1186/s13024-019-0335-3. <https://doi.org/10.1186/s13024-019-0335-3>

Geraerts, M., Eggermont, K., Hernandez-Acosta, P., Garcia-Verdugo, J. M., Baekelandt, V., & Debyser, Z. (2006). Lentiviral vectors mediate efficient and stable gene transfer in adult neural stem cells in vivo. *Human Gene Therapy*, 17(6), 635-650. doi.

Gerashchenko, D., Horvath, T. L., & Xie, X. S. (2010). Direct inhibition of hypocretin/orexin neurons in the lateral hypothalamus by nociceptin/orphanin FQ blocks stress-induced analgesia in rats. *Neuropharmacology*. doi.

Gerashchenko, D., Wisor, J. P., Burns, D., Reh, R. K., Shiromani, P. J., Sakurai, T., . . . Kilduff, T. S. (2008). Identification of a population of sleep-active cerebral cortex neurons. *Proceedings of the National Academy of Sciences*, 105(29), 10227-10232. doi: 10.1073/Proceedings of the National Academy of Sciences.0803125105. <http://www.Proceedings of the National Academy of Sciences.org/content/105/29/10227.abstract>

Gerbatin, R. R., Silva, L. F. A., Hoffmann, M. S., Della-Pace, I. D., do Nascimento, P. S., Kegler, A., . . . Royes, L. F. F. (2019). Delayed creatine supplementation counteracts reduction of GABAergic function and protects against seizures susceptibility after traumatic brain injury

in rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 92, 328-338.

doi: <https://doi.org/10.1016/j.pnpbp.2019.02.004>.

<http://www.sciencedirect.com/science/article/pii/S0278584618308182>

Gerhardt, E., Gräber, S., Szegő, É. M., Moiso, N., Martins, L. M., Outeiro, T. F., & Kermer, P. (2011). Idebenone and Resveratrol Extend Lifespan and Improve Motor Function of HtrA2 Knockout Mice. *PLoS ONE*, 6(12), e28855-e28855. doi.

German, D. C., Nelson, O., Liang, F., Liang, C. L., & Games, D. (2005). The PDAPP mouse model of Alzheimer's disease: locus coeruleus neuronal shrinkage. *Journal of Comparative Neurology*, 492(4), 469-476. doi.

German, D. C., Quintero, E. M., Liang, C. L., Ng, B., Punia, S., Xie, C., & Dietschy, J. M. (2001). Selective neurodegeneration, without neurofibrillary tangles, in a mouse model of Niemann-Pick C disease. *Journal of Comparative Neurology*, 433(3), 415-425. doi.

German, D. C., Quintero, E. M., Liang, C. L., Xie, C., & Dietschy, J. M. (2001). Degeneration of neurons and glia in the Niemann-Pick C mouse is unrelated to the low-density lipoprotein receptor. *Neuroscience*, 105(4), 999-1005. doi.

German, D. C., Yazdani, U., Speciale, S. G., Pasbakhsh, P., Games, D., & Liang, C. L. (2003). Cholinergic neuropathology in a mouse model of Alzheimer's disease. *Journal of Comparative Neurology*, 462(4), 371-381. doi.

Gertz, K., Kronenberg, G., Kälin, R. E., Baldinger, T., Werner, C., Balkaya, M., . . . Endres, M. (2012). Essential role of interleukin-6 in post-stroke angiogenesis. *Brain*. doi: 10.1093/brain/aws075.

<http://brain.oxfordjournals.org/content/early/2012/04/02/brain.aws075.ab...>

Gertz, K., Priller, J., Kronenberg, G., Fink, K. B., Winter, B., Schröck, H., . . . Endres, M. (2006). Physical Activity Improves Long-Term Stroke Outcome via Endothelial Nitric Oxide Synthase-Dependent Augmentation of Neovascularization and Cerebral Blood Flow. *Circulation Research*, 99, 1132-1140. doi.

Ghahramani, N., Ngun, T., Chen, P.-Y., Tian, Y., Krishnan, S., Muir, S., . . . Vilain, E. (2014). The effects of perinatal testosterone exposure on the DNA methylome of the mouse brain are late-emerging. *Biology of Sex Differences*, 5(1), 8. doi. <http://www.bsd-journal.com/content/5/1/8>

Gharami, K., Xie, Y., An, J. J., Tonegawa, S., & Xu, B. (2008). Brain-derived neurotrophic factor over-expression in the forebrain ameliorates Huntington's disease phenotypes in mice.

Journal of Neurochemistry, 105(2), 369-379. doi: doi:10.1111/j.1471-

4159.2007.05137.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.05137.x>

Ghashghaei, H. T., Hilgetag, C. C., & Barbas, H. (2007). Sequence of information processing for emotions based on the anatomic dialogue between prefrontal cortex and amygdala. *Neuroimage*, 34, 905-923. doi.

Ghashghaei, H. T., Weber, J., Pevny, L., Schmid, R., Schwab, M. H., Lloyd, K. C., . . . Anton, E. S. (2006). The role of neuregulin-ErbB4 interactions on the proliferation and organization of cells in the subventricular zone. *Proceedings of the National Academy of Sciences*, 103(6), 1930- 1930. doi.

Ghashghaei, H. T., Weimer, J. M., Schmid, R. S., Yokota, Y., McCarthy, K. D., Popko, B., & Anton, E. S. (2007). Reinduction of ErbB2 in astrocytes promotes radial glial progenitor identity in adult cerebral cortex. *Genes and Development*, 21(24), 3258-3271. doi: 10.1101/gad.1580407.
<http://www.genesdev.org/cgi/content/abstract/21/24/3258>

Ghergherehchi, C. L., Hibbard, E. A., Mikesh, M., Bittner, G. D., & Sengelaub, D. R. (2019). Behavioral recovery and spinal motoneuron remodeling after polyethylene glycol fusion repair of singly cut and ablated sciatic nerves. *Plos one*, 14(10), e0223443. doi: 10.1371/journal.pone.0223443. <https://doi.org/10.1371/journal.pone.0223443>

Ghiglieri, V., Mineo, D., Vannelli, A., Cacace, F., Mancini, M., Pendolino, V., . . . Picconi, B. (2016). Modulation of serotonergic transmission by eltopazine in L-DOPA-induced dyskinesia: Behavioral, molecular, and synaptic mechanisms. *Neurobiology of Disease*, 86, 140-153. doi: <http://dx.doi.org/10.1016/j.nbd.2015.11.022>.
<http://www.sciencedirect.com/science/article/pii/S0969996115301005>

Gholamrezaei, G., & Whishaw, I. Q. (2009). Individual differences in skilled reaching for food related to increased number of gestures: Evidence for goal and habit learning of skilled reaching. *Behavioral Neuroscience; Behavioral Neuroscience*, 123(4), 863-863. doi.

Ghosh, A., Chandran, K., Kalivendi, S. V., Joseph, J., Antholine, W. E., Hillard, C. J., . . . Kalyanaraman, B. (2010). Neuroprotection by a mitochondria-targeted drug in a Parkinson's disease model. *Free Radical Biology and Medicine*, 49(11), 1674-1684. doi.

Ghosh, A., Langley, M. R., Harischandra, D. S., Neal, M. L., Jin, H., Anantharam, V., . . . Kanthasamy, A. (2016). Mitoapocynin Treatment Protects Against Neuroinflammation and Dopaminergic Neurodegeneration in a Preclinical Animal Model of Parkinson's Disease. *Journal of Neuroimmune Pharmacology*, 1-20.
doi. <http://link.springer.com/article/10.1007/s11481-016-9650-4>

Ghosh, A., Roy, A., Liu, X., Kordower, J. H., Mufson, E. J., Hartley, D. M., . . . Pahan, K. (2007). Selective inhibition of NF- κ B activation prevents dopaminergic neuronal loss in a mouse model of Parkinson's disease. *Proceedings of the National Academy of Sciences*, 104(47), 18754-18759. doi: 10.1073/Proceedings of the National Academy of Sciences.0704908104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/47/18754>

Ghosh, A., Roy, A., Matras, J., Brahmachari, S., Gendelman, H. E., & Pahan, K. (2009). Simvastatin Inhibits the Activation of p21ras and Prevents the Loss of Dopaminergic Neurons in a Mouse Model of Parkinson's Disease. *Journal of Neuroscience*, 29(43), 13543-13556. doi: 10.1523/jneurosci.4144-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/43/13543>

Ghosh, A., Saminathan, H., Kanthasamy, A., Anantharam, V., Jin, H., Sondarva, G., . . . Kanthasamy, A. G. (2013). The Peptidyl-prolyl Isomerase Pin1 Upregulation and Proapoptotic Function in Dopaminergic Neurons: Relevance to the Pathogenesis of Parkinson Disease.

Journal of Biological Chemistry. doi:

10.1074/jbc.M112.444224.

<http://www.jbc.org/content/early/2013/06/10/jbc.M112.444224.a.bstract>

Ghosh, A., Tyson, T., George, S., Hildebrandt, E. N., Steiner, J. A., Madaj, Z., . . . Brundin, P. (2016). Mitochondrial pyruvate carrier regulates autophagy, inflammation, and neurodegeneration in experimental models of Parkinson's disease.

[10.1126/scitranslmed.aag2210]. Science translational medicine, 8(368), 368ra174.

doi: <http://stm.sciencemag.org/content/8/368/368ra174.abstract>

Ghosh, M., Tuesta, L. M., Puentes, R., Patel, S., Melendez, K., El Maarouf, A., . . . Pearse, D. D. (2012). Extensive cell migration, axon regeneration, and improved function with polysialic acid-modified Schwann cells after spinal cord injury. *Glia*, n/a-n/a. doi:

10.1002/glia.22330. <http://dx.doi.org/10.1002/glia.22330>

Ghoshal, N., Dearborn, J. T., Wozniak, D. F., & Cairns, N. J. (2011). Core features of frontotemporal dementia recapitulated in progranulin knockout mice. *Neurobiology of Disease*. doi.

Ghulam Muhammad, A. K. M., Candolfi, M., King, G. D., Yagiz, K., Foulad, D., Mineharu, Y., . . . Castro, M. G. (2009). Antiglioma Immunological Memory in Response to Conditional Cytotoxic/Immune-Stimulatory Gene Therapy: Humoral and Cellular Immunity Lead to Tumor Regression. *Clinical Cancer Research*, 15(19), 6113-6127. doi: 10.1158/1078-0432.ccr-09-1087.

<http://clincancerres.aacrjournals.org/cgi/content/abstract/15/19/6113>

Ghuman, H., Gerwig, M., Nicholls, F. J., Liu, J. R., Donnelly, J., Badylak, S. F., & Modo, M. (2017). Long-term retention of ECM hydrogel after implantation into a sub-acute stroke cavity reduces lesion volume. *Acta Biomaterialia*.

doi: <https://doi.org/10.1016/j.actbio.2017.09.011>.

<http://www.sciencedirect.com/science/article/pii/S1742706117305743>

Ghuman, H., Massensini, A. R., Donnelly, J., Kim, S.-M., Medberry, C. J., Badylak, S. F., & Modo, M. (2016). ECM hydrogel for the treatment of stroke: Characterization of the host cell infiltrate. *Biomaterials*.

doi: <http://dx.doi.org/10.1016/j.biomaterials.2016.03.014>.

<http://www.sciencedirect.com/science/article/pii/S0142961216300291>

Ghuman, H., Mauney, C., Donnelly, J., Massensini, A. R., Badylak, S. F., & Modo, M. (2018). Biodegradation of ECM hydrogel promotes endogenous brain tissue restoration in a rat model of stroke. *Acta Biomaterialia*.

doi: <https://doi.org/10.1016/j.actbio.2018.09.020>.

<http://www.sciencedirect.com/science/article/pii/S1742706118305373>

Giampà, C., Laurenti, D., Anzilotti, S., Bernardi, G., Menniti, F. S., & Fusco, F. R. (2010). Inhibition of the striatal specific phosphodiesterase PDE10A ameliorates striatal and cortical pathology in R6/2 mouse model of Huntington's disease. *PLoS ONE*, 5(10), e13417-e13417. doi.

Giampà, C., Montagna, E., Dato, C., Melone, M. A. B., Bernardi, G., & Fusco, F. R. (2013). Systemic Delivery of Recombinant Brain Derived Neurotrophic Factor (BDNF) in the R6/2 Mouse Model of Huntington's Disease. *Plos one*, 8(5), e64037. doi: 10.1371/journal.pone.0064037. <http://dx.doi.org/10.1371%2Fjournal.pone.0064037>

Giannakopoulos, P., von Gunten, A., Kovari, E., Gold, G., Herrmann, F. R., Hof, P. R., & Bouras, C. (2007). Stereological analysis of neuropil threads in the hippocampal formation: relationships with Alzheimer's disease neuronal pathology and cognition. *Neuropathology and Applied Neurobiology*, 33(3), 334-343. doi: doi:10.1111/j.1365-2990.2007.00827.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2990.2007.00827.x>

Giannaris, E. L., & Rosene, D. L. (2012). A stereological study of the numbers of neurons and glia in the primary visual cortex across the lifespan of male and female rhesus monkeys. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23101. <http://dx.doi.org/10.1002/cne.23101>

Giannetto, M., Xia, M., Stæger, F. F., Metcalfe, T., Vinitzky, H. S., Dang, J. A. M. L., . . . Hablitz, L. M. (2020). Biological sex does not predict glymphatic influx in healthy young, middle aged or old mice. *Scientific Reports*, 10(1), 16073. doi: 10.1038/s41598-020-72621-3. <https://doi.org/10.1038/s41598-020-72621-3>

Gibbs, S., Chattopadhyaya, B., Desgent, S., Awad, P. N., Clerk-Lamalice, O., Levesque, M., . . . others. (2011). Long-term consequences of a prolonged febrile seizure in a dual pathology model. *Neurobiology of Disease*. doi.

Gibrat, C., Bousquet, M., Saint-Pierre, M., Levesque, D., Calon, F., Rouillard, C., & Cicchetti, F. (2010). Cystamine prevents MPTP-induced toxicity in young adult mice via the up-regulation of the brain-derived neurotrophic factor. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 34(1), 193-203. doi.

Gibrat, C., Saint-Pierre, M., Bousquet, M., Lévesque, D., Rouillard, C., & Cicchetti, F. (2009). Differences between subacute and chronic MPTP mice models: investigation of dopaminergic neuronal degeneration and α -synuclein inclusions. *Journal of Neurochemistry*, 109(5), 1469-1482. doi.

Gibson, E. M., et al. (2014). Neuronal Activity Promotes Oligodendrogenesis and Adaptive Myelination in the Mammalian Brain. *Science*, 344. doi: 10.1126/science.1252304.

Gibson, E. M., Nagaraja, S., Ocampo, A., Tam, L. T., Wood, L. S., Pallegar, P. N., . . . Monje, M. (2018). Methotrexate Chemotherapy Induces Persistent Tri-glial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment. *Cell*. doi: <https://doi.org/10.1016/j.cell.2018.10.049>. <http://www.sciencedirect.com/science/article/pii/S0092867418314053>

Gibson, M. E., Han, B. H., Choi, J., Knudson, C. M., Korsmeyer, S. J., Parsadanian, M., . . . others. (2001). BAX contributes to apoptotic-like death following neonatal hypoxia-ischemia: evidence for distinct apoptosis pathways. *Molecular Medicine*, 7(9), 644-644. doi.

Gidyk, D. C., McDonald, R. J., & Sutherland, R. J. (2020). Intact behavioural expression of contextual fear, context discrimination, and object discrimination memories acquired in the absence of the hippocampus. *The Journal of Neuroscience*, JN-RM-0546-0520. doi: 10.1523/jneurosci.0546-20.2020. <http://www.jneurosci.org/content/early/2020/12/09/JNEUROSCI.0546-20.2020..>

Giesert, F., Glasl, L., Zimprich, A., Ernst, L., Piccoli, G., Stautner, C., . . . Wurst, W. (2017). The pathogenic LRRK2 R1441C mutation induces specific deficits modeling the prodromal phase of Parkinson's disease in the mouse. *Neurobiology of Disease*. doi: <https://doi.org/10.1016/j.nbd.2017.05.013>. <http://www.sciencedirect.com/science/article/pii/S0969996117301237>

Gigliotti, J. C., Huang, L., Ye, H., Bajwa, A., Chattrabhuti, K., Lee, S., . . . Okusa, M. D. (2013). Ultrasound Prevents Renal Ischemia-Reperfusion Injury by Stimulating the Splenic Cholinergic Anti-Inflammatory Pathway. *Journal of the American Society of Nephrology*. doi: 10.1681/asn.2013010084. <http://jasn.asnjournals.org/content/early/2013/07/29/ASN.2013.010084.abst..>

Giguère, N., Delignat-Lavaud, B., Herborg, F., Voisin, A., Li, Y., Jacquemet, V., . . . Trudeau, L.-E. (2019). Increased vulnerability of nigral dopamine neurons after expansion of their axonal arborization size through D2 dopamine receptor conditional knockout. *PLOS Genetics*, 15(8), e1008352. doi: 10.1371/journal.pgen.1008352. <https://doi.org/10.1371/journal.pgen.1008352>

Gilbert, M. E., Sui, L., Walker, M. J., Anderson, W., Thomas, S., Smoller, S. N., . . . Goodman, J. H. (2007). Thyroid Hormone Insufficiency during Brain Development Reduces Parvalbumin Immunoreactivity and Inhibitory Function in the Hippocampus. *Endocrinology*, 148(1), 92-102. doi: 10.1210/en.2006-0164. <http://endo.endojournals.org/cgi/content/abstract/148/1/92>

Gilby, K. L., Sydserff, S., Patey, A. M., Thorne, V., St-Onge, V., Jans, J., & McIntyre, D. C. (2009). Postnatal epigenetic influences on seizure susceptibility in seizure-prone versus seizure-resistant rat strains. *Behavioral Neuroscience*, 123(2), 337-337. doi.

Giles, N., Rea, S., Beer, T., Wood, F. M., & Fear, M. W. (2008). A peptide inhibitor of c-Jun promotes wound healing in a mouse full-thickness burn model. *Wound Repair and Regeneration*, 16(1), 58-64. doi: doi:10.1111/j.1524-475X.2007.00331.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1524-475X.2007.00331.x>

Gilles, Y. D., & Polston, E. K. (2017). Effects of social deprivation on social and depressive-like behaviors and the numbers of oxytocin expressing neurons in rats. *Behavioural Brain Research* SreeTestContent1, 328, 28-38. doi: <http://doi.org/10.1016/j.bbr.2017.03.036>. <http://www.sciencedirect.com/science/article/pii/S016643281631169X>

Gillespie, J., Ross, R. L., Corinaldesi, C., Esteves, F., Derrett-Smith, E., McDermott, M. F., . . . Del Galdo, F. (2018). TGF β activation primes canonical Wnt signaling through the downregulation of AXIN2. *Arthritis & Rheumatology*, n/a-n/a. doi: 10.1002/art.40437. <http://dx.doi.org/10.1002/art.40437>

Gilley, J. A., Yang, C.-P., & Kernie, S. G. (2011). Developmental profiling of postnatal dentate gyrus progenitors provides evidence for dynamic cell-autonomous regulation. *Hippocampus*, 21(1), 33-47. doi: 10.1002/hipo.20719. <http://dx.doi.org/10.1002/hipo.20719>

Giovanoli, S., Notter, T., Richetto, J., Labouesse, M., Vuillermot, S., Riva, M., & Meyer, U. (2015). Late prenatal immune activation causes hippocampal deficits in the absence of persistent inflammation across aging. *Journal of neuroinflammation*, 12(1), 221. doi: <http://www.jneuroinflammation.com/content/12/1/221>

Giovanoli, S., Weber, L., & Meyer, U. (2014). Single and combined effects of prenatal immune activation and peripubertal stress on parvalbumin and reelin expression in the hippocampal formation. *Brain, Behavior, and Immunity*, (o). doi: <http://dx.doi.org/10.1016/j.bbi.2014.04.005>. <http://www.sciencedirect.com/science/article/pii/S0889159114001184>

Giovanoli, S., Weber-Stadlbauer, U., Schedlowski, M., Meyer, U., & Engler, H. (2015). Prenatal immune activation causes hippocampal synaptic deficits in the absence of overt microglia anomalies. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2015.09.015>. <http://www.sciencedirect.com/science/article/pii/S0889159115300222>

Girão da Cruz, M. T., Jordão, J., DaSilva, K. A., Ayala-Grosso, C. A., Ypsilanti, A., Weng, Y. Q., . . . Aubert, I. (2012). Early Increases in Soluble Amyloid- β Levels Coincide with Cholinergic Degeneration in 3xTg-AD mice. *Journal of Alzheimer's Disease*. doi.

Gispert, S., Ricciardi, F., Kurz, A., Azizov, M., Hoepken, H. H., Becker, D., . . . others. (2009). Parkinson phenotype in aged PINK1-deficient mice is accompanied by progressive mitochondrial dysfunction in absence of neurodegeneration. *PLoS ONE*, 4(6), e5777-e5777. doi.

Giuliano, C., Siani, F., Mus, L., Ghezzi, C., Cerri, S., Pacchetti, B., . . . Blandini, F. (2019). Neuroprotective effects of lignan 7-hydroxymatairesinol (HMR/lignan β) in a rodent model of Parkinson's disease. *Nutrition*. doi: <https://doi.org/10.1016/j.nut.2019.04.006>. <http://www.sciencedirect.com/science/article/pii/S0899900719300498>

Givogri, M. I., Bottai, D., Zhu, H. L., Fasano, S., Lamorte, G., Brambilla, R., . . . Bongarzone, E. (2008). Multipotential neural precursors transplanted into the metachromatic leukodystrophy brain fail to generate oligodendrocytes but contribute to limit brain dysfunction. *Developmental Neuroscience*, 30(5), 340-357. doi.

Giza, J. I., Kim, J., Meyer, H. C., Anastasia, A., Dincheva, I., Zheng, C. I., . . . Lee, F. S. (2018). The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. *Neuron*. doi: <https://doi.org/10.1016/j.neuron.2018.05.024>. <https://www.sciencedirect.com/science/article/pii/S0896627318304227>

Gizerian, S. S., Morrow, A. L., Lieberman, J. A., & Grobin, A. C. (2004). Neonatal neurosteroid administration alters parvalbumin expression and neuron number in medial dorsal thalamus of adult rats. *Brain Research*, 1012(1-2), 66-74. doi.

Gizerian, S. S., Moy, S. S., Lieberman, J. A., & Grobin, A. C. (2006). Neonatal neurosteroid administration results in development-specific alterations in prepulse inhibition and locomotor activity. *Psychopharmacology*, 186(3), 334-342. doi.

Glaser, E. M., & Wilson, P. D. (1998). The coefficient of error of optical fractionator population size estimates: a computer simulation comparing three estimators. *Journal of Microscopy*, 192(2), 163. doi.

Glaser, J., Hendricks, S., & Greene, G. (2006). *Stereology for biological research with a focus on neuroscience*: MBF Press.

Glaser, J. R., & Berggren, K. (2005). The MicroBrightField virtual slice system. Virtual microscopy and virtual slides in teaching, diagnosis, and research, 49-49. doi.

Glaser, J. R., & Glaser, E. M. (2000). Stereology, morphometry, and mapping: the whole is greater than the sum of its parts. *Journal of Chemical Neuroanatomy*, 20(1), 115-126. doi.

Glasl, L., Kloos, K., Giesert, F., Roethig, A., Di Benedetto, B., Kühn, R., . . . others. (2012). *Pink1*- deficiency in mice impairs gait, olfaction and serotonergic innervation of the olfactory bulb. *Experimental Neurology*. doi.

Glaser, E. R., LaMarca, E. A., Bocarsly, M. E., Fasolino, M., Opendak, M., & Gould, E. (2015). Sexual experience enhances cognitive flexibility and dendritic spine density in the medial prefrontal cortex. *Neurobiology of Learning and Memory*. doi: <http://dx.doi.org/10.1016/j.nlm.2015.07.007>.
<http://www.sciencedirect.com/science/article/pii/S1074742715001288>

Glass, R., Synowitz, M., Kronenberg, G., Walzlein, J.-H., Markovic, D. S., Wang, L.-P., . . . Kettenmann, H. (2005). Glioblastoma-Induced Attraction of Endogenous Neural Precursor Cells Is Associated with Improved Survival. *Journal of Neuroscience*, 25(10), 2637-2646. doi.
<http://www.jneurosci.org/cgi/content/abstract/25/10/2637>

Glatzer, N. R., Hasney, C. P., Bhaskaran, M. D., & Smith, B. N. (2003). Synaptic and morphologic properties in vitro of premotor rat nucleus tractus solitarius neurons labeled transneurally from the stomach. *Journal of Comparative Neurology*, 464(4), 525-539. doi.

Glenn, M. J., Gibson, E. M., Kirby, E. D., Mellott, T. J., Blusztajn, J. K., & Williams, C. L. (2007). Prenatal choline availability modulates hippocampal neurogenesis and neurogenic responses to enriching experiences in adult female rats. *European Journal of Neuroscience*, 25(8), 2473-2482. doi: doi:10.1111/j.1460-9568.2007.05505.x.
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05505.x>

Glezer, I., Chernomoretz, A., David, S., Plante, M. M., & Rivest, S. (2007). Genes involved in the balance between neuronal survival and death during inflammation. *PLoS ONE*, 2(3), e310- e310. doi.

Glickstein, S. B., DeSteno, D. A., Hof, P. R., & Schmauss, C. (2005). Mice lacking dopamine D2 and D3 receptors exhibit differential activation of prefrontal cortical neurons during tasks requiring attention. *Cerebral Cortex*, 15(7), 1016-1024. doi:

Glickstein, S. B., Hof, P. R., & Schmauss, C. (2002). Mice Lacking Dopamine D2 and D3 Receptors Have Spatial Working Memory Deficits. *Journal of Neuroscience*, 22(13), 5619- 5629. doi: <http://www.jneurosci.org/cgi/content/abstract/22/13/5619>

Glickstein, S. B., Monaghan, J. A., Koeller, H. B., Jones, T. K., & Ross, M. E. (2009). Cyclin D2 Is Critical for Intermediate Progenitor Cell Proliferation in the Embryonic Cortex. *Journal of Neuroscience*, 29(30), 9614-9624. doi: 10.1523/jneurosci.2284-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/30/9614>

Glickstein, S. B., Moore, H., Slowinska, B., Racchumi, J., Suh, M., Chuhma, N., & Ross, M. E. (2007). Selective cortical interneuron and GABA deficits in cyclin D2-null mice. *Development*, 134(22), 4083-4093. doi: 10.1242/dev.008524. <http://dev.biologists.org/cgi/content/abstract/134/22/4083>

Gliebus, G., Bigio, E. H., Gasho, K., Mishra, M., Caplan, D., Mesulam, M. M., & Geula, C. (2010). Asymmetric TDP-43 distribution in primary progressive aphasia with progranulin mutation. *Neurology*, 74(20), 1607-1610. doi: 10.1212/WNL.0b013e3181df0a1b. <http://www.neurology.org/cgi/content/abstract/74/20/1607>

Gobrogge, K. L., Liu, Y., Jia, X., & Wang, Z. (2007). Anterior hypothalamic neural activation and neurochemical associations with aggression in pair-bonded male prairie voles. *Journal of Comparative Neurology*, 502(6), 1109-1122. doi:

Godar, S. C., Mosher, L. J., Scheggi, S., Devoto, P., Moench, K. M., Strathman, H. J., . . . Bortolato, M. (2019). Gene-environment interactions in antisocial behavior are mediated by early-life 5-HT_{2A} receptor activation. *Neuropharmacology*. doi: <https://doi.org/10.1016/j.neuropharm.2019.01.028>. <http://www.sciencedirect.com/science/article/pii/S0028390819300280>

Godden, K. E., Landry, J. P., Slepneva, N., Miguez, P. V., & Pompeiano, M. (2014). Early Expression of Hypocretin/Orexin in the Chick Embryo Brain. *Plos one*, 9(9), e106977. doi: 10.1371/journal.pone.0106977. <http://dx.doi.org/10.1371%2Fjournal.pone.0106977>

Gokozan, H. N., Baig, F., Corcoran, S., Catacutan, F. P., Gygli, P. E., Takakura, A. C., . . . Otero, J. J. (2015). Area postrema undergoes dynamic postnatal changes in mice and humans. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23903. <http://dx.doi.org/10.1002/cne.23903>

Golden, K. L., Pearse, D. D., Blits, B., Garg, M. S., Oudega, M., Wood, P. M., & Bunge, M. B. (2007). Transduced Schwann cells promote axon growth and myelination after spinal cord injury. *Experimental Neurology*, 207(2), 203-217. doi:

Goldman, H. M., McFarlin, S. C., Cooper, D. M. L., Thomas, C. D. L., & Clement, J. G. (2009). Ontogenetic Patterning of Cortical Bone Microstructure and Geometry at the Human Mid-

Shaft Femur. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 292(1), 48-64. doi.

Gollamudi, S., Johri, A., Calingasan, N. Y., Yang, L., Elemento, O., & Beal, M. F. (2012). Concordant Signaling Pathways Produced by Pesticide Exposure in Mice Correspond to Pathways Identified in Human Parkinson's Disease. *PLoS ONE*, 7(5), e36191. doi.

Goller, B., Fellows, T. K., Dakin, R., Tyrell, L., Fernandez-Juricic, E., & Altshuler, D. (2019). Spatial and temporal resolution of the visual system of the Anna's hummingbird (*Calypte anna*) relative to other birds. *Physiological and Biochemical Zoology*, 0(ja), null. doi: 10.1086/705124. <https://www.journals.uchicago.edu/doi/abs/10.1086/705124>

Golub, Y., Schildbach, E.-M., Touma, C., Kratz, O., Moll, G. H., von Hörsten, S., & Canneva, F. (2018). Role of hypothalamus-pituitary-adrenal axis modulation in the stress-resilient phenotype of DPP4-deficient rats. *Behavioural Brain Research*. doi: <https://doi.org/10.1016/j.bbr.2018.08.029>. <http://www.sciencedirect.com/science/article/pii/S0166432818308313>

Gombash, S., Manfredsson, F., Mandel, R., Collier, T., Fischer, D., Kemp, C., . . . Sortwell, C. (2014). Neuroprotective potential of pleiotrophin overexpression in the striatonigral pathway compared with overexpression in both the striatonigral and nigrostriatal pathways. *Gene Therapy*. doi. <http://www.nature.com/gt/journal/vaop/ncurrent/full/gt201442a.html>

Gombash, S. E., Lipton, J. W., Collier, T. J., Madhavan, L., Steece-Collier, K., Cole-Strauss, A., . . . others. (2011). Striatal Pleiotrophin Overexpression Provides Functional and Morphological Neuroprotection in the 6-Hydroxydopamine Model. *Molecular Therapy*. doi.

Gombash, S. E., Manfredsson, F. P., Kemp, C. J., Kuhn, N. C., Fleming, S. M., Egan, A. E., . . . Sortwell, C. E. (2013). Morphological and Behavioral Impact of AAV2/5-Mediated Overexpression of Human Wildtype Alpha-Synuclein in the Rat Nigrostriatal System. *Plos one*, 8(11), e81426. doi: 10.1371/journal.pone.0081426. <http://dx.doi.org/10.1371%2Fjournal.pone.0081426>

Gomes, G. F., Peixoto, R. D. d. F., Maciel, B. G., Santos, K. F. d., Bayma, L. R., Feitoza Neto, P. A., . . . Diniz, C. W. P. (2019). Differential Microglial Morphological Response, TNF α , and Viral Load in Sedentary-like and Active Murine Models After Systemic Non-neurotropic Dengue Virus Infection. *Journal of Histochemistry and Cytochemistry*, 0022155419835218. doi: 10.1369/0022155419835218. <https://doi.org/10.1369/0022155419835218>

Gomes, W. A., Lado, F. A., De Lanerolle, N. C., Takahashi, K., Pan, C., & Hetherington, H. P. (2007). Spectroscopic imaging of the pilocarpine model of human epilepsy suggests that early NAA reduction predicts epilepsy. *Magnetic Resonance in Medicine*, 58(2), 230-235. doi.

Gomez, A. M., Stevens, J. A. A., Mané-Damas, M., Molenaar, P., Duimel, H., Verheyen, F., . . . Martinez-Martinez, P. (2016). Silencing of Dok-7 in Adult Rat Muscle Increases Susceptibility to Passive Transfer Myasthenia Gravis. *The American journal of pathology*, 186(10), 2559- 2568. doi: <http://dx.doi.org/10.1016/j.ajpath.2016.05.025>. <http://www.sciencedirect.com/science/article/pii/S0002944016302358>

Gomez, A. M., Van den Broeck, J., Vrolix, K., Janssen, S. P., Lemmens, M. A. M., Van der Esch, E., . . . others. (2010). Antibody effector mechanisms in myasthenia gravis-Pathogenesis at the neuromuscular junction. *Autoimmunity*, 43(5-6), 353-370. doi.

Gomez, D. L., O'Driscoll, M., Sheets, T. P., Hruban, R. H., Oberholzer, J., McGarrigle, J. J., & Shamlott, M. J. (2015). Neurogenin 3 Expressing Cells in the Human Exocrine Pancreas Have the Capacity for Endocrine Cell Fate. *Plos one*, 10(8), e0133862. doi: 10.1371/journal.pone.0133862. <http://dx.doi.org/10.1371%2Fjournal.pone.0133862>

Gómez-Lira, G., Mendoza-Torreblanca, J. G., & Granados-Rojas, L. (2011). Ketogenic diet does not change NKCC1 and KCC2 expression in rat hippocampus. *Epilepsy Research*. doi.

Gómez-López, S., Martínez-Silva, A. V., Montiel, T., Osorio-Gómez, D., Bermúdez-Rattoni, F., Massieu, L., & Escalante-Alcalde, D. (2016). Neural ablation of the PARK10 candidate Plpp3 leads to dopaminergic transmission deficits without neurodegeneration. [Article]. *Scientific Reports*, 6, 24028. doi: 10.1038/srep24028

<http://www.nature.com/articles/srep24028#supplementary-information>. <http://dx.doi.org/10.1038/srep24028>

Gomez-Smith, M., Janik, R., Lake, E. M., Thomason, L. A. M., Adams, C., Jeffers, M. S., . . . Corbett, D. (2017). Reduced Cerebrovascular Reactivity and Increased Resting Cerebral Perfusion in Rats Exposed to a Cafeteria Diet. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.11.054>. <https://www.sciencedirect.com/science/article/pii/S0306452217308710>

Gomez-Smith, M., Karthikeyan, S., Jeffers, M. S., Janik, R., Thomason, L. A., Stefanovic, B., & Corbett, D. (2016). A physiological characterization of the Cafeteria diet model of metabolic syndrome in the rat. *Physiology and Behavior*. doi: <http://dx.doi.org/10.1016/j.physbeh.2016.09.029>. <http://www.sciencedirect.com/science/article/pii/S0031938416302608>

Gonçalves, L., Silva, R., Pinto-Ribeiro, F., Pêgo, J. M., Bessa, J. M., Pertovaara, A., . . . Almeida, A. (2008). Neuropathic pain is associated with depressive behaviour and induces neuroplasticity in the amygdala of the rat. *Experimental Neurology*, 213(1), 48-56. doi.

Gonchar, Y., Wang, Q., & Burkhalter, A. (2007). Multiple distinct subtypes of GABAergic neurons in mouse visual cortex identified by triple immunostaining. *Frontiers in Neuroanatomy*, 1. doi.

Gondré-Lewis, M. C., Darius, P. J., Wang, H., & Allard, J. S. (2016). Stereological analyses of reward system nuclei in maternally deprived/separated alcohol drinking rats. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2016.02.004>. <http://www.sciencedirect.com/science/article/pii/S0891061816300278>

Gong, C., Zheng, X., Guo, F., Wang, Y., Zhang, S., Chen, J., . . . Chen, H. (2021). Human spinal GABA neurons alleviate spasticity and improve locomotion in rats with spinal cord injury. *Cell Reports*, 34(12), 108889.

doi: <https://doi.org/10.1016/j.celrep.2021.108889>. <https://www.sciencedirect.com/science/article/pii/S2211124721002035>

Gong, J., Szegő, É. M., Leonov, A., Benito, E., Becker, S., Fischer, A., . . . Schneider, A. (2019). Translocator protein ligand protects against neurodegeneration in the MPTP mouse model of Parkinsonism. *The Journal of Neuroscience*, 2070-2018. doi: 10.1523/jneurosci.2070-18.2019. <http://www.jneurosci.org/content/early/2019/02/21/JNEUROSCI.2070-18.2019...>

Gonsalvez, D. G., Cane, K. N., Landman, K. A., Enomoto, H., Young, H. M., & Anderson, C. R. (2013). Proliferation and Cell Cycle Dynamics in the Developing Stellate Ganglion. *Journal of Neuroscience*, 33(14), 5969-5979. doi: 10.1523/jneurosci.4350-12.2013. <http://www.jneurosci.org/content/33/14/5969.abstract>

Gonzalez, M. M. C., & Aston-Jones, G. (2008). Light deprivation damages monoamine neurons and produces a depressive behavioral phenotype in rats. *Proceedings of the National Academy of Sciences*, 105(12), 4898-4903. doi: 10.1073/Proceedings of the National Academy of Sciences.0703615105. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/105/12/4898>

Gonzalez-Brito, M. R., & Bixby, J. L. (2005). Regulation of Developing Neurons by Receptor Protein Tyrosine Phosphatases: 12. *Pediatric Critical Care Medicine*, 6(1), 105-105. doi.

Gonzalez-Brito, M. R., & Bixby, J. L. (2009). Protein tyrosine phosphatase receptor type O regulates development and function of the sensory nervous system. *Molecular and Cellular Neuroscience*, 42(4), 458-465. doi.

González-Cabrera, C., Garrido-Charad, F., Roth, A., & Marín, G. J. (2015). The isthmus nuclei providing parallel feedback connections to the avian tectum have different neurochemical identities: Expression of Glutamatergic and Cholinergic Markers in the chick (*Gallus gallus*). *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23739. <http://dx.doi.org/10.1002/cne.23739>

González-Cabrera, C., Meza, R., Ulloa, L., Merino-Sepúlveda, P., Luco, V., Sanhueza, A., . . . Henny, P. (2017). Characterization of the axon initial segment of mice substantia nigra dopaminergic neurons. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24288. <http://dx.doi.org/10.1002/cne.24288>

González-Gómez, P. L., Madrid-Lopez, N., Salazar, J. E., Suárez, R., Razeto-Barry, P., Mpodozis, J., . . . Vásquez, R. A. (2014). Cognitive Ecology in Hummingbirds: The Role of Sexual Dimorphism and Its Anatomical Correlates on Memory. *Plos one*, 9(3), e90165. doi: 10.1371/journal.pone.0090165. <http://dx.doi.org/10.1371%2Fjournal.pone.0090165>

Good, P. F., Alapat, D., Hsu, A., Chu, C., Perl, D., Wen, X., . . . Kohtz, D. S. (2004). A role for semaphorin 3A signaling in the degeneration of hippocampal neurons during Alzheimer's disease. *Journal of Neurochemistry*, 91(3), 716-736. doi: doi:10.1111/j.1471-4159.2004.02766.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2004.02766.x>

Goodfellow, M. J., Borcar, A., Proctor, J. L., Greco, T., Rosenthal, R. E., & Fiskum, G. (2020). Transcriptional activation of antioxidant gene expression by Nrf2 protects against mitochondrial dysfunction and neuronal death associated with acute and chronic neurodegeneration. *Experimental Neurology*, 113247. doi: <https://doi.org/10.1016/j.expneurol.2020.113247>. <http://www.sciencedirect.com/science/article/pii/S0014488620300789>

Goodrich, J. A., Kim, J. H., Situ, R., Taylor, W., Westmoreland, T., Du, F., . . . de Lanerolle, N. C. (2016). Neuronal and glial changes in the brain resulting from explosive blast in an experimental model. [journal article]. *Acta Neuropathologica Communications*, 4(1), 124. doi: 10.1186/s40478-016-0395-3. <http://dx.doi.org/10.1186/s40478-016-0395-3>

Goodus, M. T., Kerr, N. A., Talwar, R., Buziashvili, D., Fragale, J. E. C., Pang, K., & Levison, S. W. (2015). LIF Haplodeficiency Desynchronizes Glial Reactivity and Exacerbates Damage and Functional Deficits After a Concussive Brain Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4234. <http://dx.doi.org/10.1089/neu.2015.4234>

Gorbatyuk, M. S., Shabashvili, A., Chen, W., Meyers, C., Sullivan, L. F., Salganik, M., . . . Gorbatyuk, O. S. (2012). Glucose Regulated Protein 78 Diminishes α -Synuclein Neurotoxicity in a Rat Model of Parkinson Disease. *Mol Ther*. doi: <http://www.nature.com/mt/journal/vaop/ncurrent/suppinfo/mt201228s1.html>. <http://dx.doi.org/10.1038/mt.2012.28>

Gorbatyuk, O. S., Li, S., Sullivan, L. F., Chen, W., Kondrikova, G., Manfredsson, F. P., . . . Muzyczka, N. (2008). The phosphorylation state of Ser-129 in human α -synuclein determines neurodegeneration in a rat model of Parkinson disease. *Proceedings of the National Academy of Sciences*, 105(2), 763-763. doi.

Gorbatyuk, O. S., Warrington, K. H., Gorbatyuk, M. S., Zolotukhin, I., Lewin, A. S., & Muzyczka, N. (2019). Biodistribution of Adeno-Associated Virus Type 2 with Mutations in the Capsid that Contribute to Heparan Sulfate Proteoglycan Binding. *Virus Research*, 197771. doi: <https://doi.org/10.1016/j.virusres.2019.197771>. <http://www.sciencedirect.com/science/article/pii/S0168170219303892>

Gordon, R., Singh, N., Lawana, V., Ghosh, A., Harischandra, D. S., Jin, H., . . . Kanthasamy, A. (2016). Protein kinase C δ upregulation in microglia drives neuroinflammatory responses and dopaminergic neurodegeneration in experimental models of Parkinson's disease. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.04.008>. <http://www.sciencedirect.com/science/article/pii/S0969996116300900>

Gorris, R., Fischer, J., Erwes, K. L., Kesavan, J., Peterson, D. A., Alexander, M., . . . Brüstle, O. (2015). Pluripotent stem cell-derived radial glia-like cells as stable intermediate for efficient generation of human oligodendrocytes. *Glia*, n/a-n/a. doi: 10.1002/glia.22882. <http://dx.doi.org/10.1002/glia.22882>

Gotsbacher, M. P., Telfer, T. J., Witting, P. K., Double, K. L., Finkelstein, D. I., & Codd, R. (2017). Analogues of desferrioxamine B designed to attenuate iron-mediated neurodegeneration: Synthesis, characterisation and activity in the MPTP-mouse model of Parkinson's disease.

[10.1039/C7MT00039A]. Metallomics. doi:
10.1039/c7mt00039a. <http://dx.doi.org/10.1039/C7MT00039A>

Gotsiridze, T., Kang, N., Jacob, D., & Forger, N. G. (2007). Development of sex differences in the principal nucleus of the bed nucleus of the stria terminalis of mice: Role of Bax- dependent cell death. *Developmental Neurobiology*, 67(3), 355-362. doi.

Gotts, J. E., & Chesselet, M.-F. (2005). Migration and fate of newly born cells after focal cortical ischemia in adult rats. *Journal of Neuroscience Research*, 80(2), 160-171. doi.

Gotts, J. E., & Chesselet, M. F. (2005). Mechanisms of subventricular zone expansion after focal cortical ischemic injury. *Journal of Comparative Neurology*, 488(2), 201-214. doi.

Gotts, J. E., & Chesselet, M. F. (2005). Vascular changes in the subventricular zone after distal cortical lesions. *Experimental Neurology*, 194(1), 139-150. doi.

Gou, D.-H., Huang, T.-T., Li, W., Gao, X.-D., Haikal, C., Wang, X.-H., . . . Li, J.-Y. (2021). Inhibition of copper transporter 1 prevents α -synuclein pathology and alleviates nigrostriatal degeneration in AAV-based mouse model of Parkinson's disease. *Redox Biology*, 38, 101795. doi: <https://doi.org/10.1016/j.redox.2020.101795>.
<http://www.sciencedirect.com/science/article/pii/S2213231720310004>

Gould, E., Reeves, A. J., Graziano, M. S. A., & Gross, C. G. (1999). Neurogenesis in the Neocortex of Adult Primates. *Science*, 286(5439), 548-552. doi:
10.1126/science.286.5439.548.
<http://www.sciencemag.org/cgi/content/abstract/286/5439/548>

Gould, E., Vail, N., Wagers, M., & Gross, C. G. (2001). Adult-generated hippocampal and neocortical neurons in macaques have a transient existence. *Proceedings of the National Academy of Sciences*, 98(19), 10910-10910. doi.

Gould, E., Vail, N., Wagers, M., & Gross, C. G. (2001). Inaugural Article: Adult-generated hippocampal and neocortical neurons in macaques have a transient existence. *Proceedings of the National Academy of Sciences*, 98(19), 10910-10917. doi: 10.1073/Proceedings of the National Academy of Sciences.181354698.
<http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/98/19/10910>

Gould, K. L., Gilbertson, K. E., Hrvol, A. J., Nelson, J. C., Seyfer, A. L., Brantner, R. M., & Kamil, A. C. (2013). Differences in Relative Hippocampus Volume and Number of Hippocampus Neurons among Five Corvid Species. *Brain, Behavior and Evolution*, 81(1), 56-70. doi.

Gowing, G., Lalancette-Hébert, M., Audet, J. N., Dequen, F., & Julien, J. P. (2009). Macrophage colony stimulating factor (M-CSF) exacerbates ALS disease in a mouse model through altered responses of microglia expressing mutant superoxide dismutase. *Experimental Neurology*, 220(2), 267-275. doi.

Gowing, G., Philips, T., Van Wijmeersch, B., Audet, J.-N., Dewil, M., Van Den Bosch, L., . . .

Julien, J.-P. (2008). Ablation of Proliferating Microglia Does Not Affect Motor Neuron Degeneration in Amyotrophic Lateral Sclerosis Caused by Mutant Superoxide Dismutase.

Journal of Neuroscience, 28(41), 10234-10244. doi: 10.1523/jneurosci.3494-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/41/10234>

Gowing, G., Vallières, L., & Julien, J. P. (2006). Mouse model for ablation of proliferating microglia in acute CNS injuries. *Glia*, 53(3), 331-337. doi.

Gozal, D., Row, B. W., Gozal, E., Kheirandish, L., Neville, J. J., Brittan, K. R., . . . Guo, S. Z. (2003). Temporal aspects of spatial task performance during intermittent hypoxia in the rat: evidence for neurogenesis. *European Journal of Neuroscience*, 18(8), 2335-2342. doi: 10.1046/j.1460-9568.2003.02947.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02947.x>

Graham, R. K., Pouladi, M. A., Joshi, P., Lu, G., Deng, Y., Wu, N.-P., . . . Hayden, M. R. (2009). Differential Susceptibility to Excitotoxic Stress in YAC128 Mouse Models of Huntington Disease between Initiation and Progression of Disease. *Journal of Neuroscience*, 29(7), 2193- 2204. doi: 10.1523/jneurosci.5473-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/7/2193>

Graham, R. K., Slow, E. J., Deng, Y., Bissada, N., Lu, G., Pearson, J., . . . Hayden, M. R. (2006). Levels of mutant huntingtin influence the phenotypic severity of Huntington disease in YAC128 mouse models. *Neurobiology of Disease*, 21(2), 444-455. doi.

Granado, N., Ares-Santos, S., Tizabi, Y., & Moratalla, R. (2018). Striatal Reinnervation Process after Acute Methamphetamine-Induced Dopaminergic Degeneration in Mice. [journal article]. *Neurotoxicity research*. doi: 10.1007/s12640-018-9925-z. <https://doi.org/10.1007/s12640-018-9925-z>

Granholm, A.-C., Zaman, V., Godbee, J., Smith, M., Ramadan, R., Umphlet, C., . . . Boger, H. A. (2010). Prenatal LPS increases Inflammation in the Substantia Nigra of Gdnf Heterozygous Mice. *Brain Pathology*, no-no. doi: 10.1111/j.1750-3639.2010.00457.x. <http://dx.doi.org/10.1111/j.1750-3639.2010.00457.x>

Granholm, A. C. E., Ford, K. A., Hyde, L. A., Bimonte, H. A., Hunter, C. L., Nelson, M., . . . Crnic, L. S. (2002). Estrogen restores cognition and cholinergic phenotype in an animal model of Down syndrome. *Physiology and Behavior*, 77(2-3), 371-385. doi.

Grant, A., Speed, Z., Labelle-Dumais, C., & Flores, C. (2009). Post-pubertal emergence of a dopamine phenotype in netrin-1 receptor-deficient mice. *European Journal of Neuroscience*, 30(7), 1318-1328. doi.

Grant, L. M., Richter, F., Miller, J. E., White, S. A., Fox, C. M., Zhu, C., . . . Ciucci, M. R. (2014). Vocalization deficits in mice over-expressing alpha-synuclein, a model of pre-manifest Parkinson's disease. *Behavioral Neuroscience*, 128(2), 110. doi. <http://psycnet.apa.org/journals/bne/128/2/110/>

Grapov, D., Fahrman, J., Hwang, J., Poudel, A., Jo, J., Periwal, V., . . . Hara, M. (2014). Diabetes associated metabolomic perturbations in NOD mice. *Metabolomics*, 1-13. doi: 10.1007/s11306-014-0706-2. <http://dx.doi.org/10.1007/s11306-014-0706-2>

Grau-Perales, A. B., Gómez-Chacón, B., & Gallo, M. (2019). Differential activity pattern of c-Fos in the nucleus accumbens between adult and aged rats during flavor recognition memory. *Behavioural Brain Research*, 111935. doi: <https://doi.org/10.1016/j.bbr.2019.111935>.
<http://www.sciencedirect.com/science/article/pii/S0166432819301603>

Gray, K. (2013). Society for Pediatric Pathology, 2013 Fall Meeting Abstracts. *Pediatric and Developmental Pathology*. doi: 10.2350/13-09-1379-0a.1.
<http://dx.doi.org/10.2350/13-09-1379-OA.1>

Gray, M., Shirasaki, D. I., Cepeda, C., Andre, V. M., Wilburn, B., Lu, X.-H., . . . Yang, X. W. (2008). Full-Length Human Mutant Huntingtin with a Stable Polyglutamine Repeat Can Elicit Progressive and Selective Neuropathogenesis in BACHD Mice. *Journal of Neuroscience*, 28(24), 6182-6195. doi: 10.1523/jneurosci.0857-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/24/6182>

Gray, N. E., Zweig, J. A., Caruso, M., Zhu, J. Y., Wright, K. M., Quinn, J. F., & Soumyanath, A. (2018). Centella asiatica attenuates hippocampal mitochondrial dysfunction and improves memory and executive function in β -amyloid overexpressing mice. *Molecular and Cellular Neuroscience*, 93, 1-9. doi: <https://doi.org/10.1016/j.mcn.2018.09.002>.
<http://www.sciencedirect.com/science/article/pii/S1044743118302252>

Greco, C. M., Berman, R. F., Martin, R. M., Tassone, F., Schwartz, P. H., Chang, A., . . . Hagerman, P. J. (2006). Neuropathology of fragile X-associated tremor/ataxia syndrome (FXTAS) *Brain*, 129, 243-255. doi.

Greco, C. M., Navarro, C. S., Hunsaker, M. R., Maezawa, I., Shuler, J. F., Tassone, F., . . . others. (2011). Neuropathologic features in the hippocampus and cerebellum of three older men with fragile X syndrome. *Molecular Autism*, 2(1), 2-2. doi.

Greene, J., Banasr, M., Lee, B., Warner-Schmidt, J., & Duman, R. S. (2009). Vascular endothelial growth factor signaling is required for the behavioral actions of antidepressant treatment: pharmacological and cellular characterization. *Neuropsychopharmacology*, 34(11), 2459-2468. doi.

Greene-Schloesser, D., Payne, V., Peiffer, A. M., Hsu, F.-C., Riddle, D. R., Zhao, W., . . . Robbins, M. E. (2014). The Peroxisomal Proliferator-Activated Receptor (PPAR) α Agonist, Fenofibrate, Prevents Fractionated Whole-Brain Irradiation-Induced Cognitive Impairment. *Radiation Research*. doi: 10.1667/rr13202.1.
<http://dx.doi.org/10.1667/RR13202.1>

Greene-Schloesser, D. M., Kooshki, M., Payne, V., D'Agostino, R. B., Wheeler, K. T., Metheny-Barlow, L. J., & Robbins, M. E. (2014). Cellular response of the rat brain to single doses of ^{137}Cs γ rays does not predict its response to prolonged "biologically equivalent" fractionated doses. *International Journal of Radiation Biology*, 0(ja), 1-33. doi: 10.3109/09553002.2014.933915.
<http://informahealthcare.com/doi/abs/10.3109/09553002.2014.933915>

Grégoire, C.-A., Bonenfant, D., Le Nguyen, A., Aumont, A., & Fernandes, K. J. L. (2014). Untangling the Influences of Voluntary Running, Environmental Complexity, Social Housing and Stress on Adult Hippocampal Neurogenesis. *Plos one*, 9(1), e86237. doi: 10.1371/journal.pone.0086237. <http://dx.doi.org/10.1371%2Fjournal.pone.0086237>

Gresle, M. M., Jarrott, B., Jones, N. M., & Callaway, J. K. (2006). Injury to axons and oligodendrocytes following endothelin-1-induced middle cerebral artery occlusion in conscious rats. *Brain Research*, 1110(1), 13-22. doi.

Grieb, B., Engler, G., Sharott, A., von Nicolai, C., Streichert, T., Papageorgiou, I., . . . Hamel, W. (2014). High-Frequency Stimulation of the Subthalamic Nucleus Counteracts Cortical Expression of Major Histocompatibility Complex Genes in a Rat Model of Parkinson's Disease. *Plos one*, 9(3), e91663. doi: 10.1371/journal.pone.0091663. <http://dx.doi.org/10.1371%2Fjournal.pone.0091663>

Griffey, M., Bible, E., Vogler, C., Levy, B., Gupta, P., Cooper, J., & Sands, M. S. (2004). Adeno-associated virus 2-mediated gene therapy decreases autofluorescent storage material and increases brain mass in a murine model of infantile neuronal ceroid lipofuscinosis. *Neurobiology of Disease*, 16(2), 360-369. doi.

Griffey, M. A., Wozniak, D., Wong, M., Bible, E., Johnson, K., Rothman, S. M., . . . Sands, M. S. (2005). CNS-Directed AAV2-Mediated Gene Therapy Ameliorates Functional Deficits in a Murine Model of Infantile Neuronal Ceroid Lipofuscinosis. *Molecular Therapy*, 13, 538-547. doi.

Grigg, N. P., Krilow, J. M., Gutierrez-Ibanez, C., Wylie, D. R., Graves, G. R., & Iwaniuk, A. N. (2017). Anatomical evidence for scent guided foraging in the turkey vulture. *Scientific Reports*, 7(1), 17408. doi: 10.1038/s41598-017-17794-0. <https://doi.org/10.1038/s41598-017-17794-0>

Grinevich, V., Kollek, A., Eliava, M., Takada, N., Takuma, H., Fukazawa, Y., . . . others. (2009). Fluorescent Arc/Arg3.1 indicator mice: A versatile tool to study brain activity changes in vitro and in vivo. *Journal of Neuroscience Methods*, 184(1), 25-36. doi.

Gritti, I., Henny, P., Galloni, F., Mainville, L., Mariotti, M., & Jones, B. E. (2006). Stereological estimates of the basal forebrain cell population in the rat, including neurons containing choline acetyltransferase, glutamic acid decarboxylase or phosphate-activated glutaminase and colocalizing vesicular glutamate transporters. *Neuroscience*, 143(4), 1051-1064. doi.

Grodecki, J., Rao, S. S., Short, A. R., Otero, J. J., Lannutti, J. J., Sarkar, A., & Winter, J. O. (2015). Glioma-astrocyte interactions on white matter tract-mimetic aligned electrospun nanofibers. *Biotechnology Progress*, n/a-n/a. doi: 10.1002/btpr.2123. <http://dx.doi.org/10.1002/btpr.2123>

Groh, J., Kühl, T. G., Ip, C. W., Nelvagal, H. R., Sri, S., Duckett, S., . . . Martini, R. (2013). Immune cells perturb axons and impair neuronal survival in a mouse model of infantile neuronal ceroid lipofuscinosis. *Brain*. doi: 10.1093/brain/awt020. <http://brain.oxfordjournals.org/content/early/2013/03/12/brain.awt020.ab...>

Gröhn, O. H. J., Kettunen, M. I., Mäkelä, H. I., Penttonen, M., Pitkänen, A., Lukkarinen, J. A., & Kauppinen, R. A. (2000). Early Detection of Irreversible Cerebral Ischemia in the Rat Using Dispersion of the Magnetic Resonance Imaging Relaxation Time, T1ρ. *Journal of Cerebral Blood Flow and Metabolism*, 20(10), 1457-1466. doi.

Grohn, O. H. J., Valonen, P. K., Lehtimäki, K. K., Vaisanen, T. H., Kettunen, M. I., Ylä-Herttuala, S., . . . Garwood, M. (2003). Novel Magnetic Resonance Imaging Contrasts for Monitoring Response to Gene Therapy in Rat Glioma. *Cancer Research*, 63(22), 7571-7574.
doi: <http://cancerres.aacrjournals.org/cgi/content/abstract/63/22/7571>

Groleau, M., Nguyen, H. N., Vanni, M., Huppé-Gourgues, F., Casanova, C., & Vaucher, E. (2014). Impaired functional organization in the visual cortex of muscarinic receptor knock-out mice. *Neuroimage*, (0).
doi: <http://dx.doi.org/10.1016/j.neuroimage.2014.05.016>.
<http://www.sciencedirect.com/science/article/pii/S1053811914003814>

Gross, A., Benninger, F., Madar, R., Illouz, T., Griffioen, K., Steiner, I., . . . Okun, E. (2017). Toll-like receptor 3 deficiency decreases epileptogenesis in a pilocarpine model of SE-induced epilepsy in mice. *Epilepsia*, n/a-n/a. doi: 10.1111/epi.13688. <http://dx.doi.org/10.1111/epi.13688>

Gross, A., Sims, R. E., Swinny, J. D., Sieghart, W., Bolam, J. P., & Stanford, I. M. (2011). Differential localization of GABAA receptor subunits in relation to rat striatopallidal and pallidopallidal synapses. *European Journal of Neuroscience*, 33(5), 868-878. doi: 10.1111/j.1460-9568.2010.07552.x. <http://dx.doi.org/10.1111/j.1460-9568.2010.07552.x>

Gross, C. M., Flubacher, A., Tinnes, S., Heyer, A., Scheller, M., Herpfer, I., . . . Haas, C. A. (2012). Early life stress stimulates hippocampal reelin gene expression in a sex-specific manner: Evidence for corticosterone-mediated action. *Hippocampus*, 22(3), 409-420. doi: 10.1002/hipo.20907. <http://dx.doi.org/10.1002/hipo.20907>

Grossetete, M., & Rosenberg, G. A. (2007). Matrix metalloproteinase inhibition facilitates cell death in intracerebral hemorrhage in mouse. *Journal of Cerebral Blood Flow and Metabolism*, doi: 10.1038/sj.jcbfm.9600572. doi.

Grote, H. E., Bull, N. D., Howard, M. L., van Dellen, A., Blakemore, C., Bartlett, P. F., & Hannan, A. J. (2005). Cognitive disorders and neurogenesis deficits in Huntington's disease mice are rescued by fluoxetine. *European Journal of Neuroscience*, 22(8), 2081-2088. doi: 10.1111/j.1460-9568.2005.04365.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04365.x>

Grotzer, M. A., Janss, A. J., Fung, K. M., Sutton, L. N., Zhao, H., Trojanowski, J. Q., . . . Phillips, P. C. (2001). Abundance of apoptotic neoplastic cells in diagnostic biopsy samples is not a prognostic factor in childhood primitive neuroectodermal tumors of the central nervous system. *Journal of Pediatric Hematology/Oncology*, 23(1), 25-25. doi.

Groves, N., O'Keefe, I., Lee, W., Toft, A., Blackmore, D., Bandhavkar, S., . . . Jhaveri, D. J. (2019). Blockade of TrkB but not p75NTR activates a subpopulation of quiescent neural precursor cells and enhances neurogenesis in the adult mouse hippocampus. *Developmental*

Neurobiology, n/a(n/a). doi:

10.1002/dneu.22729. <https://onlinelibrary.wiley.com/doi/abs/10.1002/dneu.22729>

Grudzien, A., Shaw, P., Weintraub, S., Bigio, E., Mash, D. C., & Mesulam, M. (2007). Locus coeruleus neurofibrillary degeneration in aging, mild cognitive impairment and early Alzheimer's disease. *Neurobiology of Aging*, 28(3), 327-335. doi.

Gu, X., Greiner, E. R., Mishra, R., Kodali, R., Osmand, A., Finkbeiner, S., . . . Yang, X. W. (2009). Serines 13 and 16 are critical determinants of full-length human mutant huntingtin induced disease pathogenesis in HD mice. *Neuron*, 64(6), 828-840. doi.

Gu, X. L., Long, C. X., Sun, L., Xie, C., Lin, X., & Cai, H. (2010). Astrocytic expression of Parkinson's disease-related A53T alpha-synuclein causes neurodegeneration in mice. *Molecular Brain* 3, 12. doi.

Guadagno, A., Wong, T. P., & Walker, C.-D. (2018). Morphological and functional changes in the preweaning basolateral amygdala induced by early chronic stress associate with anxiety and fear behavior in adult male, but not female rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 81(Supplement C), 25-37. doi: <https://doi.org/10.1016/j.pnpbp.2017.09.025>.

<http://www.sciencedirect.com/science/article/pii/S0278584617306437>

Gualtieri, F., Armstrong, E. A., Longmoor, G. K., D'Eath, R. B., Sandilands, V., Boswell, T., & Smulders, T. V. (2019). Unpredictable Chronic Mild Stress Suppresses the Incorporation of New Neurons at the Caudal Pole of the Chicken Hippocampal Formation. *Scientific Reports*, 9(1), 7129. doi: 10.1038/s41598-019-43584-x. <https://doi.org/10.1038/s41598-019-43584-x>

Gualtieri, F., Nowakowska, M., von Rüden, E.-L., Seiffert, I., & Potschka, H. (2019). Epileptogenesis-Associated Alterations of Heat Shock Protein 70 in a Rat Post-Status Epilepticus Model. *Neuroscience*, 415, 44-58.

doi: <https://doi.org/10.1016/j.neuroscience.2019.06.031>.

<http://www.sciencedirect.com/science/article/pii/S0306452219304488>

Guan, J., Yang, B., Fan, Y., & Zhang, J. (2017). GPER Agonist G1 Attenuates Neuroinflammation and Dopaminergic Neurodegeneration in Parkinson Disease. *Neuroimmunomodulation*, 0(0), 60-66. doi.

<http://www.karger.com/DOI/10.1159/000478908>

Guardia Clausi, M., & Levison, S. W. (2016). Delayed ALK5 inhibition improves functional recovery in neonatal brain injury. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x16638669. <http://jcb.sagepub.com/content/early/2016/03/16/0271678x16638669.abstract>

Guatteo, E., Rizzo, F. R., Federici, M., Cordella, A., Ledonne, A., Latini, L., . . . Mercuri, N. B. (2017). Functional alterations of the dopaminergic and glutamatergic systems in spontaneous α -synuclein overexpressing rats. *Experimental Neurology*, 287, Part 1, 21-33. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.10.009>.

<http://www.sciencedirect.com/science/article/pii/S0014488616303314>

Guedj, F., Pereira, P. L., Najas, S., Barallobre, M. J., Chabert, C., Souchet, B., . . . others. (2012). DYRK1A: A master regulatory protein controlling brain growth. *Neurobiology of Disease*. doi.

Guerra-Crespo, M., Gleason, D., Sistos, A., Toosky, T., Solaroglu, I., Zhang, J. H., . . . Fallon, J. H. (2009). Transforming growth factor- α induces neurogenesis and behavioral improvement in a chronic stroke model. *Neuroscience*, 160(2), 470-483. doi.

Guerreiro-Diniz, C., de Melo Paz, R. B., Hamad, M. H. S., Martins, A. A. V., Neves, H. B., de Souza Cunha, E. D., . . . Picanço-Diniz, C. (2010). Hippocampus and dentate gyrus of the *Cebus* monkey: Architectonic and stereological study. *Journal of Chemical Neuroanatomy*, 40(2), 148-159. doi.

Guijarro, C., Rutz, S., Rothmaier, K., Turiault, M., Zhi, Q., Naumann, T., . . . Kretz, O. (2006). Maturation and maintenance of cholinergic medial septum neurons require glucocorticoid receptor signaling. *Journal of Neurochemistry*, doi:10.1111/j.1471-4159.2006.03728.x. doi.

Guillamon-Vivancos, T., Tyler, W. A., Medalla, M., Chang, W. W.-e., Okamoto, M., Haydar, T. F., & Luebke, J. I. (2018). Distinct Neocortical Progenitor Lineages Fine-tune Neuronal Diversity in a Layer-specific Manner. *Cerebral Cortex*. doi: 10.1093/cercor/bhy019. <http://dx.doi.org/10.1093/cercor/bhy019>

Guillozet-Bongaarts, A. L., Cahill, M. E., Cryns, V. L., Reynolds, M. R., Berry, R. W., & Binder, L. I. (2006). Pseudophosphorylation of tau at serine 422 inhibits caspase cleavage: in vitro evidence and implications for tangle formation in vivo. *Journal of Neurochemistry*, 97(4), 1005-1014. doi: doi:10.1111/j.1471-4159.2006.03784.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.03784.x>

Guimarães, M. R., Soares, A. R., Cunha, A. M., Esteves, M., Borges, S., Magalhães, R., . . . Leite-Almeida, H. (2018). Evidence for lack of direct causality between pain and affective disturbances in a rat peripheral neuropathy model. *Genes, Brain and Behavior*, 0(ja), e12542. doi: doi:10.1111/gbb.12542. <https://onlinelibrary.wiley.com/doi/abs/10.1111/gbb.12542>

Guitar, N. A., & Sherry, D. F. (2018). Decreased neurogenesis increases spatial reversal errors in chickadees (*Parus atricapillus*). *Developmental Neurobiology*, 0(ja). doi: doi:10.1002/dneu.22641. <https://onlinelibrary.wiley.com/doi/abs/10.1002/dneu.22641>

Gulacsi, A. A., & Anderson, S. A. (2008). β -catenin-mediated Wnt signaling regulates neurogenesis in the ventral telencephalon. *Nature Neuroscience*, 11, 1383-1391. doi.

Gulbrandsen, T. L., Sparks, F. T., & Sutherland, R. J. (2012). Interfering with post-learning hippocampal activity does not affect long-term consolidation of a context fear memory outside the hippocampus. *Behavioural Brain Research*, (o). doi: <http://dx.doi.org/10.1016/j.bbr.2012.11.027>. <http://www.sciencedirect.com/science/article/pii/S0166432812007565>

Gulbrandsen, T. L., & Sutherland, R. J. (2014). Temporary inactivation of the rodent hippocampus: An evaluation of the current methodology. *Journal of Neuroscience Methods*, (o).

doi: <http://dx.doi.org/10.1016/j.jneumeth.2014.01.015>.
<http://www.sciencedirect.com/science/article/pii/S0165027014000260>

Güleç, A., Bakkalbaş, B. Ç., Cumbul, A., Uslu, Ü., Alev, B., & Yarat, A. (2017). Effects of local platelet-rich plasma injection on the rate of orthodontic tooth movement in a rat model: A histomorphometric study. *American Journal of Orthodontics and Dentofacial Orthopedics*, 151(1), 92-104.

doi: <http://dx.doi.org/10.1016/j.ajodo.2016.05.016>.
<http://www.sciencedirect.com/science/article/pii/S0889540616305777>

Guley, N. H., Rogers, J. T., Del Mar, N. A., Deng, Y., Islam, R. M., D'Surney, L., . . . Reiner, A. (2015). A Novel Closed-head Model of Mild Traumatic Brain Injury using Focal Primary Overpressure Blast to the Cranium in Mice. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.3886. <http://dx.doi.org/10.1089/neu.2015.3886>

Gully, J. C., Sergeev, V. G., Bhootada, Y., Mendez-Gomez, H., Meyers, C. A., Zolotukhin, S., . . . Gorbatyuk, O. S. (2016). Up-regulation of activating transcription factor 4 induces severe loss of dopamine nigral neurons in a rat model of Parkinson's disease. *Neuroscience Letters*.

doi: <http://dx.doi.org/10.1016/j.neulet.2016.05.039>. <http://www.sciencedirect.com/science/article/pii/S0304394016303597>

Guma, E., Rocchetti, J., Devenyi, G. A., Tanti, A., Mathieu, A., Lerch, J. P., . . . Giros, B. (2018). Regional brain volume changes following chronic antipsychotic administration are mediated by the dopamine D2 receptor. *Neuroimage*.

doi: <https://doi.org/10.1016/j.neuroimage.2018.04.054>.
<http://www.sciencedirect.com/science/article/pii/S1053811918303641>

Guma, E., Rocchetti, J., Devenyi, G. A., Tanti, A., Mathieu, A. P., Lerch, J. P., . . . Giros, B. (2019). Role of D3 dopamine receptors in modulating neuroanatomical changes in response to antipsychotic administration. *Scientific Reports*, 9(1), 7850. doi: 10.1038/s41598-019-43955-4

4. <https://doi.org/10.1038/s41598-019-43955-4>

Gumusoglu, S. B., Fine, R. S., Murray, S. J., Bittle, J. L., & Stevens, H. E. (2017). The role of IL-6 in neurodevelopment after prenatal stress. *Brain, Behavior, and Immunity*.

doi: <https://doi.org/10.1016/j.bbi.2017.05.015>.
<http://www.sciencedirect.com/science/article/pii/S0889159117301617>

Gunapala, K. M., Chang, D., Hsu, C. T., Manaye, K., Drenan, R. M., Switzer, R. C., & Steele, A. D. (2010). Striatal pathology underlies prion infection-mediated hyperactivity in mice. *Prion*, 4(4), 302-302. doi:

Gundersen, H. J., & Osterby, R. (1981). Optimizing sampling efficiency of stereological studies in biology: or 'do more less well!'. *Journal of Microscopy*, 121(1), 65-73. doi:

Gunten, A., Kövari, E., Bussi re, T., Rivara, C. B., Gold, G., Bouras, C., . . . Giannakopoulos, P. (2006). Cognitive impact of neuronal pathology in the entorhinal cortex and CA1 field in Alzheimer's disease. *Neurobiology of Aging*, 27(2), 270-277. doi:

Guo, F., Ma, J., McCauley, E., Bannerman, P., & Pleasure, D. (2009). Early Postnatal Proteolipid Promoter-Expressing Progenitors Produce Multilineage Cells In Vivo. *Journal of Neuroscience*, 29(22), 7256-7270. doi: 10.1523/jneurosci.5653-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/22/7256>

Guo, R., Hou, W., Dong, Y., Yu, Z., Stites, J., & Weiner, C. P. (2010). Brain injury caused by chronic fetal hypoxemia is mediated by inflammatory cascade activation. *Reproductive Sciences*, 17(6), 540-548. doi.

Guo, W., Allan, A. M., Zong, R., Zhang, L., Johnson, E. B., Schaller, E. G., . . . others. (2011). Ablation of Fmrp in adult neural stem cells disrupts hippocampus-dependent learning. *Nature Medicine*, 17(5), 559-565. doi.

Guo, W., Murthy, A. C., Zhang, L., Johnson, E. B., Schaller, E. G., Allan, A. M., & Zhao, X. (2012). Inhibition of GSK3 β improves hippocampus-dependent learning and rescues neurogenesis in a mouse model of fragile X syndrome. *Human Molecular Genetics*, 21(3), 681-691. doi.

Guo, X., Sun, X., Hu, D., Wang, Y.-J., Fujioka, H., Vyas, R., . . . Qi, X. (2016). VCP recruitment to mitochondria causes mitophagy impairment and neurodegeneration in models of Huntington's disease. [Article]. *Nature Communications*, 7, 12646. doi: 10.1038/ncomms12646

<http://www.nature.com/articles/ncomms12646#supplementary-information>. <http://dx.doi.org/10.1038/ncomms12646>

Guo, Z., Rudow, G., Pletnikova, O., Codispoti, K.-E., Orr, B. A., Crain, B. J., . . . Troncoso, J. C. (2012). Striatal neuronal loss correlates with clinical motor impairment in Huntington's disease. *Movement Disorders*, 27(11), 1379-1386. doi: 10.1002/mds.25159. <http://dx.doi.org/10.1002/mds.25159>

Guo, Z., Su, Y., & Lou, H. (2018). GFAP-Positive Progenitor Cell Production is Concentrated in Specific Encephalic Regions in Young Adult Mice. [journal article]. *Neuroscience bulletin*. doi: 10.1007/s12264-018-0228-4. <https://doi.org/10.1007/s12264-018-0228-4>

Gupta, A., Bisht, B., & Dey, C. S. (2011). Peripheral insulin-sensitizer drug metformin ameliorates neuronal insulin resistance and Alzheimer's-like changes. *Neuropharmacology*, 60. doi: 10.1016/j.neuropharm.2011.01.033. <http://dx.doi.org/10.1016/j.neuropharm.2011.01.033>

Gupta, A., Elgammal, F. S., Proddutur, A., Shah, S., & Santhakumar, V. (2012). Decrease in Tonic Inhibition Contributes to Increase in Dentate Semilunar Granule Cell Excitability after Brain Injury. *Journal of Neuroscience*, 32(7), 2523-2537. doi: 10.1523/jneurosci.4141-11.2012. <http://www.jneurosci.org/content/32/7/2523.abstract>

Gupta, M. K., Papay, R. S., Jurgens, C. W. D., Gaivin, R. J., Shi, T., Doze, V. A., & Perez, D. M. (2009). α 1-Adrenergic Receptors Regulate Neurogenesis and Gliogenesis. *Molecular Pharmacology*, 76(2), 314-326. doi.

Gupta, N., Ang, L.-C., Tilly, L. N. d., Bidaisee, L., & Yücel, Y. H. (2006). Human glaucoma and neural degeneration in intracranial optic nerve, lateral geniculate nucleus, and visual cortex. *British Journal of Ophthalmology*, 90(6), 674-678. doi.

Gupta, R., Saini, S., Sharma, S., Jacob, T. G., & Roy, T. S. (2017). Morphology of the Human Pancreas During Development and Aging. In P. C. Rath, R. Sharma & S. Prasad (Eds.), *Topics in Biomedical Gerontology* (pp. 67-89). Singapore: Springer Singapore.

Gupta, R., Sharma, A., Mahanta, P. J., Jacob, T. G., Agarwal, S. K., Roy, T. S., & Dinda, A. K. (2010). Focal segmental glomerulosclerosis in idiopathic membranous glomerulonephritis: a clinico-pathological and stereological study. *Nephrology Dialysis Transplantation*, 25(2), 444-449. doi.

Gür, F., Cengiz, M., & Gür, B. (2020). Alternations in nuclear factor kappa beta activity (NF- κ B) in the rat brain due to long-term use of atomoxetine for treating ADHD: In vivo and in silico studies. *Biochemical and Biophysical Research Communications*. doi: <https://doi.org/10.1016/j.bbrc.2020.10.072>.
<http://www.sciencedirect.com/science/article/pii/S0006291X20320015>

Gurkoff, G. G., Feng, J.-F., Ken, C. V., Izadi, A., Ghiasvand, R., Shahlaie, K., . . . Lyeth, B. G. (2013). NAAG Peptidase Inhibitor Improves Motor Function and Reduces Cognitive Dysfunction in a Model of TBI with Secondary Hypoxia. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2013.03.043>.
<http://www.sciencedirect.com/science/article/pii/S0006899313004654>

Gurkoff, G. G., Gahan, J. D., Ghiasvand, R., Hunsaker, M. R., Van, K. C., Feng, J., . . . Folkerts, M. M. (2012). Evaluation of metric, topological and temporal ordering memory tasks after lateral fluid percussion injury. *Journal of Neurotrauma*, (ja). doi.

Gurkoff, G. G., Giza, C. C., & Hovda, D. A. (2006). Lateral fluid percussion injury in the developing rat causes an acute, mild behavioral dysfunction in the absence of significant cell death. *Brain Research*, 1077(1), 24-36. doi.

Gurkoff, G. G., Giza, C. C., Shin, D., Auvin, S., Sankar, R., & Hovda, D. A. (2009). Acute neuroprotection to pilocarpine-induced seizures is not sustained after traumatic brain injury in the developing rat. *Neuroscience*, 164(2), 862-876. doi.

Gurney, K. J., Estrada, E. Y., & Rosenberg, G. A. (2006). Blood-brain barrier disruption by stromelysin-1 facilitates neutrophil infiltration in neuroinflammation. *Neurobiology of Disease*, 23(1), 87-96. doi.

Gursky, Z. H., & Klintsova, A. Y. (2021). Changes in Representation of Thalamic Projection Neurons within Prefrontal-Thalamic-Hippocampal Circuitry in a Rat Model of Third Trimester Binge Drinking. *Brain Sciences*, 11(3). doi: 10.3390/brainsci11030323.

Gursky, Z. H., Spillman, E. C., & Klintsova, A. Y. (2020). Single-day Postnatal Alcohol Exposure Induces Apoptotic Cell Death and Causes long-term Neuron Loss in Rodent Thalamic Nucleus Reuniens. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2020.03.046>.
<http://www.sciencedirect.com/science/article/pii/S0306452220302050>

Gustavsson, M., Mallard, C., Vannucci, S. J., Wilson, M. A., Johnston, M. V., & Hagberg, H. (2006). Vascular response to hypoxic preconditioning in the immature brain. *Journal of Cerebral Blood Flow and Metabolism*. doi:

Gustus, K., Lozano, E., Newville, J., Li, L., Valenzuela, C. F., & Cunningham, L. A. (2019). Resistance of postnatal hippocampal neurogenesis to alcohol toxicity in a third trimester-equivalent mouse model of gestational alcohol exposure. *Alcoholism: Clinical and Experimental Research*, 0(ja). doi: 10.1111/acer.14207. <https://onlinelibrary.wiley.com/doi/abs/10.1111/acer.14207>

Gutierrez, S., Carnes, A., Finucane, B., Musci, G., Oelsner, W., Hicks, L., . . . Turner, C. P. (2010). Is age-dependent, ketamine-induced apoptosis in the rat somatosensory cortex influenced by temperature? *Neuroscience*, 168(1), 253-262. doi:

Güven, D., Altunkaynak, B. Z., Altun, G., Alkan, I., & Kocak, İ. (2018). Histomorphometric changes in the placenta and umbilical cord during complications of pregnancy. *Biotechnic and Histochemistry*, 1-13. doi: 10.1080/10520295.2017.1410993. <https://doi.org/10.1080/10520295.2017.1410993>

Guymer, C., Damp, L., Chidlow, G., Wood, J., Tang, Y. F., & Casson, R. (2020). Software for Quantifying and Batch Processing Images of Brn3a and RBPMS Immunolabelled Retinal Ganglion Cells in Retinal Wholemounts. *Translational Vision Science & Technology*, 9(6), 28-28. doi: 10.1167/tvst.9.6.28. <https://doi.org/10.1167/tvst.9.6.28>

Guzman, R., Bliss, T., De Los Angeles, A., Moseley, M., Palmer, T., & Steinberg, G. (2008). Neural progenitor cells transplanted into the uninjured brain undergo targeted migration after stroke onset. *Journal of Neuroscience Research*, 86(4), 873-882. doi:

Guzman, R., Uchida, N., Bliss, T. M., He, D., Christopherson, K. K., Stellwagen, D., . . . Steinberg, G. K. (2007). Long-term monitoring of transplanted human neural stem cells in developmental and pathological contexts with MRI. *Proceedings of the National Academy of Sciences*, 104(24), 10211-10216. doi: 10.1073/Proceedings of the National Academy of Sciences.0608519104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/24/10211>

Guzman-Marin, R., Bashir, T., Suntsova, N., Szymusiak, R., & McGinty, D. (2007). Hippocampal neurogenesis is reduced by sleep fragmentation in the adult rat. *Neuroscience*, 148(1), 325-333. doi:

Guzman-Marin, R., Suntsova, N., Bashir, T., Nienhuis, R., Szymusiak, R., & McGinty, D. (2008). Rapid eye movement sleep deprivation contributes to reduction of neurogenesis in the hippocampal dentate gyrus of the adult rat. *Sleep*, 31(2), 167-167. doi:

Guzman-Marin, R., Suntsova, N., Bashir, T., Szymusiak, R., & McGinty, D. (2007). Cell proliferation in the dentate gyrus of the adult rat fluctuates with the light-dark cycle. *Neuroscience Letters*, 422(3), 198-201. doi:

Guzman-Marin, R., Suntsova, N., Methippara, M., Greiffenstein, R., Szymusiak, R., & McGinty, D. (2005). Sleep deprivation suppresses neurogenesis in the adult hippocampus of rats. *European Journal of Neuroscience*, 22(8), 2111-2116. doi: doi:10.1111/j.1460-9568.2005.04376.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04376.x>

Guzman-Marin, R., Suntsova, N., Stewart, D. R., Gong, H., Szymusiak, R., & McGinty, D. (2003). Sleep deprivation reduces proliferation of cells in the dentate gyrus of the hippocampus in rats. *Journal of Physiology*, 549(2), 563-571. doi.

Gyengesi, E., Andrews, Z. B., Paxinos, G., & Zaborszky, L. (2013). Distribution of secretagogin- containing neurons in the basal forebrain of mice, with special reference to the cholinergic corticopetal system. *Brain Research Bulletin*, (o). doi: <http://dx.doi.org/10.1016/j.brainresbull.2013.01.009>. <http://www.sciencedirect.com/science/article/pii/S0361923013000105>

Gyengesi, E., Calabrese, E., Sherrier, M., Johnson, G. A., Paxinos, G., & Watson, C. (2013). Semi- automated 3D segmentation of major tracts in the rat brain: comparing DTI with standard histological methods. *Brain Structure and Function*, 1-12. doi: 10.1007/s00429-013-0516-8. <http://dx.doi.org/10.1007/s00429-013-0516-8>

Ha, S., Moon, E., Lee, P., Ryu, J., Oh, M., & Kim, S. (2012). Acacetin Attenuates Neuroinflammation via Regulation the Response to LPS Stimuli In Vitro and In Vivo. *Neurochemical Research*, 1-8. doi: 10.1007/s11064-012-0751-z. <http://dx.doi.org/10.1007/s11064-012-0751-z>

Ha, S. K., Moon, E., Ju, M. S., Kim, D. H., Ryu, J. H., Oh, M. S., & Kim, S. Y. (2012). 6-Shogaol, a ginger product, modulates neuroinflammation: A new approach to neuroprotection. *Neuropharmacology*, (o). doi: 10.1016/j.neuropharm.2012.03.016. <http://www.sciencedirect.com/science/article/pii/S0028390812001141>

Haas, B. R., & Sontheimer, H. (2010). Inhibition of the Sodium-Potassium-Chloride Cotransporter Isoform-1 Reduces Glioma Invasion. *Cancer Research*, 70(13), 5597-5606. doi: 10.1158/0008-5472.can-09-4666. <http://cancerres.aacrjournals.org/content/70/13/5597.abstract>

Haas, C. A., Dudeck, O., Kirsch, M., Huszka, C., Kann, G., Pollak, S., . . . Frotscher, M. (2002). Role for Reelin in the Development of Granule Cell Dispersion in Temporal Lobe Epilepsy. *Journal of Neuroscience*, 22(14), 5797-5802. doi: <http://www.jneurosci.org/cgi/content/abstract/22/14/5797>

Haas, S. J.-P., Petrov, S., Kronenberg, G., Schmitt, O., & Wree, A. (2008). Orthotopic transplantation of immortalized mesencephalic progenitors (CSM14.1 cells) into the substantia nigra of hemiparkinsonian rats induces neuronal differentiation and motoric improvement. *Journal of Anatomy*, 212(1), 19-30. doi: doi:10.1111/j.1469-7580.2007.00834.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1469-7580.2007.00834.x>

Habli, M., Jones, H., Aronow, B., Omar, K., & Crombleholme, T. M. (2013). Recapitulation of Characteristics of Human Placental Vascular Insufficiency in a Novel Mouse Model. *Placenta*, (0).

doi: <http://dx.doi.org/10.1016/j.placenta.2013.09.011>.

<http://www.sciencedirect.com/science/article/pii/S0143400413007376>

Hablitz, L. M., Plá, V., Giannetto, M., Vinitsky, H. S., Stæger, F. F., Metcalfe, T., . . . Nedergaard, M. (2020). Circadian control of brain glymphatic and lymphatic fluid flow. *Nature Communications*, 11(1), 4411. doi: 10.1038/s41467-020-18115-

2. <https://doi.org/10.1038/s41467-020-18115-2>

Hack, I., Hellwig, S., Junghans, D., Brunne, B., Bock, H. H., Zhao, S., & Frotscher, M. (2007). Divergent roles of ApoER2 and Vldlr in the migration of cortical neurons. *Development*, 134(21), 3883-3891. doi:

10.1242/dev.005447. <http://dev.biologists.org/cgi/content/abstract/134/21/3883>

Hackett, A. R., Lee, D.-H., Dawood, A., Rodriguez, M., Funk, L., Tsoulfas, P., & Lee, J. K. (2016). STAT3 and SOCS3 regulate NG2 cell proliferation and differentiation after contusive spinal cord injury. *Neurobiology of Disease*.

doi: <http://dx.doi.org/10.1016/j.nbd.2016.01.017>.

<http://www.sciencedirect.com/science/article/pii/S0969996116300183>

Hackl, C., Papazoglou, A., Ganser, C., Klein, A., Prakash, N., Wurst, W., & Nikkhah, G. (2010). Ectopic Dopaminergic Progenitor Cells From *En1*⁺/*Otx2lacZ* Transgenic Mice Survive and Functionally Reinnervate the Striatum Following Transplantation in a Rat Model of Parkinson's Disease. *Cell Transplantation*, 19(9), 1085-1101. doi:

Hacohen-Kleiman, G., Moaraf, S., Kapitansky, O., & Gozes, I. (2020). Sex-and Region-Dependent Expression of the Autism-Linked ADNP Correlates with Social- and Speech- Related Genes in the Canary Brain. *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-020-01700-x. <https://doi.org/10.1007/s12031-020-01700-x>

Hadaczek, P., Kohutnicka, M., Krauze, M. T., Bringas, J., Pivrotto, P., Cunningham, J., & Bankiewicz, K. (2006). Convection-enhanced delivery of adeno-associated virus type 2 (AAV2) into the striatum and transport of AAV2 within monkey brain. *Human Gene Therapy*, 17(3), 291-302. doi:

Hadar, R., Winter, R., Edemann-Callesen, H., Wieske, F., Habelt, B., Khadka, N., . . . Winter, C. (2019). Prevention of schizophrenia deficits via non-invasive adolescent frontal cortex stimulation in rats. *Molecular Psychiatry*. doi: 10.1038/s41380-019-0356-x. <https://doi.org/10.1038/s41380-019-0356-x>

Hadipour-Niktarash, A., Rommelfanger, K. S., Masilamoni, G. J., Smith, Y., & Wichmann, T. (2012). Extrastriatal D2-like receptors modulate basal ganglia pathways in normal and parkinsonian monkeys. *Journal of Neurophysiology*, 107(5), 1500-1512. doi:

Haditsch, U., Anderson, M. P., Freewoman, J., Cord, B., Babu, H., Brakebusch, C., & Palmer, T. D. (2013). Neuronal Rac1 Is Required for Learning-Evoked Neurogenesis. *Journal of*

Neuroscience, 33(30), 12229-12241. doi: 10.1523/jneurosci.2939-12.2013. <http://www.jneurosci.org/content/33/30/12229.abstract>

Haes, W., Frooninckx, L., Assche, R., Smolders, A., Depuydt, G., & Billen, J. (2014). Metformin promotes lifespan through mitohormesis via the peroxiredoxin PRDX-2. *Proceedings of the National Academy of Sciences of the United States of America*, 111. doi: 10.1073/pnas.1321776111. <http://dx.doi.org/10.1073/pnas.1321776111>

Haeussner, E., Aschauer, B., Burton, G. J., Huppertz, B., Edler von Koch, F., Müller-Starck, J., . . . Frank, H.-G. (2015). Does 2D-Histologic identification of villous types of human placentas at birth enable sensitive and reliable interpretation of 3D structure? *Placenta*. doi: <http://dx.doi.org/10.1016/j.placenta.2015.10.003>. <http://www.sciencedirect.com/science/article/pii/S0143400415300631>

Haeussner, E., Schmitz, C., von Koch, F., & Frank, H.-G. (2013). Birth weight correlates with size but not shape of the normal human placenta. *Placenta*. doi.

Hagemann, T. L., Connor, J. X., & Messing, A. (2006). Alexander Disease-Associated Glial Fibrillary Acidic Protein Mutations in Mice Induce Rosenthal Fiber Formation and a White Matter Stress Response. *Journal of Neuroscience*, 26(43), 11162-11173. doi: 10.1523/jneurosci.3260-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/43/11162>

Hagen, M. W., Riddle, A., McClendon, E., Gong, X., Shaver, D., Srivastava, T., . . . Back, S. A. (2014). Role of Recurrent Hypoxia-Ischemia in Preterm White Matter Injury Severity. *Plos one*, 9(11), e112800. doi: 10.1371/journal.pone.0112800. <http://dx.doi.org/10.1371%2Fjournal.pone.0112800>

Hager, R., Lu, L., Rosen, G. D., & Williams, R. W. (2012). Genetic architecture supports mosaic brain evolution and independent brain-body size regulation. *Nature Communications*, 3, 1079. doi.

Haggerty, A. E., Bening, M. R., Pherribo, G., Dauer, E. A., & Oudega, M. (2019). Laminin polymer treatment accelerates repair of the crushed peripheral nerve in adult rats. *Acta Biomaterialia*. doi: <https://doi.org/10.1016/j.actbio.2019.01.024>. <http://www.sciencedirect.com/science/article/pii/S1742706119300443>

Hahm, K., Lukashev, M. E., Luo, Y., Yang, W. J., Dolinski, B. M., Weinreb, P. H., . . . others. (2007). α v β 6 integrin regulates renal fibrosis and inflammation in Alport mouse. *American Journal of Pathology*, 170(1), 110-110. doi.

Hahm, K., Lukashev, M. E., Luo, Y., Yang, W. J., Dolinski, B. M., Weinreb, P. H., . . . others. (2007). α v β 6 integrin regulates renal fibrosis and inflammation in Alport mouse. *American Journal of Pathology*, 170(1), 110-110. doi.

Haidar, M., Guèvremont, G., Zhang, C., Bathgate, R. A. D., Timofeeva, E., Smith, C. M., & Gundlach, A. L. (2017). Relaxin-3 Inputs Target Hippocampal Interneurons and Deletion of

Hilar Relaxin-3 Receptors in 'Floxed-RXFP3' Mice Impairs Spatial Memory. Hippocampus, n/a-n/a. doi: 10.1002/hipo.22709. <http://dx.doi.org/10.1002/hipo.22709>

Haight, J. L., Fuller, Z. L., Fraser, K. M., & Flagel, S. B. (2016). A food-predictive cue attributed with incentive salience engages subcortical afferents and efferents of the paraventricular nucleus of the thalamus. Neuroscience. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.10.043>. <http://www.sciencedirect.com/science/article/pii/S0306452216305838>

Hain, E. G., Klein, C., Munder, T., Braun, J., Riek, K., Mueller, S., . . . Steiner, B. (2016). Dopaminergic Neurodegeneration in the Mouse Is Associated with Decrease of Viscoelasticity of Substantia Nigra Tissue. Plos one, 11(8), e0161179. doi: 10.1371/journal.pone.0161179. <http://dx.doi.org/10.1371%2Fjournal.pone.0161179>

Hain, E. G., Sparenberg, M., Rasińska, J., Klein, C., Akyüz, L., & Steiner, B. (2018). Indomethacin promotes survival of new neurons in the adult murine hippocampus accompanied by anti- inflammatory effects following MPTP-induced dopamine depletion. [journal article]. Journal of neuroinflammation, 15(1), 162. doi: 10.1186/s12974-018-1179-

4. <https://doi.org/10.1186/s12974-018-1179-4>

Hains, D. S., Sims-Lucas, S., Carpenter, A., Saha, M., Murawski, I., Kish, K., . . . Bates, C. M. (2010). High incidence of vesicoureteral reflux in mice with Fgfr2 deletion in kidney mesenchyma. Journal of Urology, 183(5), 2077-2084. doi.

Hairston, I. S., Little, M. T. M., Scanlon, M. D., Barakat, M. T., Palmer, T. D., Sapolsky, R. M., & Heller, H. C. (2005). Sleep restriction suppresses neurogenesis induced by hippocampus- dependent learning. Journal of Neurophysiology, 94(6), 4224-4233. doi.

Hajheidari, S., Sameni, H. R., Bandegi, A. R., & Miladi-gorji, H. (2017). Effects of prolonged abstinence from METH on the hippocampal BDNF levels, neuronal numbers and apoptosis in methamphetamine-sensitized rats. Neuroscience Letters, 645, 80-85.

doi: <http://dx.doi.org/10.1016/j.neulet.2017.02.051>. <http://www.sciencedirect.com/science/article/pii/S0304394017301672>

Hajszan, T., Dow, A., Warner-Schmidt, J. L., Szigeti-Buck, K., Sallam, N. L., Parducz, A., . . . Duman, R. S. (2009). Remodeling of hippocampal spine synapses in the rat learned helplessness model of depression. Biological Psychiatry, 65(5), 392-400. doi.

Hajszan, T., Leranthy, C., & Roth, R. H. (2006). Subchronic phencyclidine treatment decreases the number of dendritic spine synapses in the rat prefrontal cortex. Biological Psychiatry, 60(6), 639-644. doi.

Hajszan, T., MacLusky, N. J., Johansen, J. A., Jordan, C. L., & Leranthy, C. (2007). Effects of Androgens and Estradiol on Spine Synapse Formation in the Prefrontal Cortex of Normal and Testicular Feminization Mutant Male Rats. Endocrinology, 148(5), 1963-1967. doi: 10.1210/en.2006-1626.

<http://endo.endojournals.org/cgi/content/abstract/148/5/1963>

Hajszan, T., Szigeti-Buck, K., Sallam, N. L., Bober, J., Parducz, A., MacLusky, N. J., . . . Duman, R. S. (2010). Effects of estradiol on learned helplessness and associated remodeling of hippocampal spine synapses in female rats. *Biological Psychiatry*, 67(2), 168-174. doi.

Hakeem, A. Y., Sherwood, C. C., Bonar, C. J., Butti, C., Hof, P. R., & Allman, J. M. (2009). Von Economo neurons in the elephant brain. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 292(2), 242-248. doi.

Hakes, E. (2016). BDNF Knockdown in the VTA Blocks Social Stress-Induced Deficits in Social Behavior and Nucleus Accumbens FosB Expression. The University of Arizona. Retrieved from <http://hdl.handle.net/10150/603650>

Hakim, J. D., Chami, J., & Keay, K. A. (2019). μ -Opioid and Dopamine-D2 Receptor Expression in the Nucleus Accumbens of Male Sprague-Dawley Rats Whose Sucrose Consumption, but not Preference, Decreases after Nerve Injury. *Behavioural Brain Research*, 112416. doi: <https://doi.org/10.1016/j.bbr.2019.112416>.
<http://www.sciencedirect.com/science/article/pii/S0166432819310733>

Hakim, J. S., Esmaeili Rad, M., Grahn, P. J., Chen, B., Knight, A. M., Schmeichel, A. M., . . . Yaszemski, M. J. (2015). Positively charged oligo[poly(ethylene glycol) fumarate] scaffold implantation results in a permissive lesion environment after spinal cord injury in rat. *Tissue Engineering Part A*. doi: 10.1089/ten.TEA.2015.0019. <http://dx.doi.org/10.1089/ten.TEA.2015.0019>

Halford, R. W., & Russell, D. W. (2009). Reduction of cholesterol synthesis in the mouse brain does not affect amyloid formation in Alzheimer's disease, but does extend lifespan. *Proceedings of the National Academy of Sciences*, 106(9), 3502-3506. doi: 10.1073/Proceedings of the National Academy of Sciences.0813349106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/9/3502.abstract>

Halici, Z., Dursun, H., Keles, O. N., Odaci, E., Suleyman, H., Aydin, N., . . . Unal, B. (2009). Effect of chronic treatment of haloperidol on the rat liver: a stereological and histopathological study. *Naunyn-Schmiedeberg's archives of pharmacology*, 379(3), 253-261. doi.

Halici, Z., Keles, O. N., Unal, D., Albayrak, M., Suleyman, H., Cadirci, E., . . . Kaplan, S. (2008). Chronically Administered Risperidone Did Not Change the Number of Hepatocytes in Rats: A Stereological and Histopathological Study. *Basic and Clinical Pharmacology and Toxicology*, 102(5), 426-432. doi: 10.1111/j.1742-7843.2007.00198.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1742-7843.2007.00198.x>

Halici, Z., Polat, B., Cadirci, E., Topcu, A., Karakus, E., Kose, D., . . . Bayir, Y. (2016). Inhibiting renin angiotensin system in rate limiting step by aliskiren as a new approach for preventing indomethacin induced gastric ulcers. *Chemico-Biological Interactions*, 258, 266-275. doi: <http://dx.doi.org/10.1016/j.cbi.2016.09.011>.
<http://www.sciencedirect.com/science/article/pii/S0009279716303726>

Hall, J. C. E., Priestley, J. V., Hugh Perry, V., & Michael-Titus, A. T. (2012). Docosahexaenoic Acid, but not Eicosapentaenoic Acid, Reduces the Early Inflammatory Response Following

Compression Spinal Cord Injury in the Rat. *Journal of Neurochemistry*, no-no. doi: 10.1111/j.1471-4159.2012.07726.x. <http://dx.doi.org/10.1111/j.1471-4159.2012.07726.x>

Hall, J. M., & Savage, L. M. (2016). Exercise leads to the re-emergence of the cholinergic/nestin neuronal phenotype within the medial septum/diagonal band and subsequent rescue of both hippocampal ACh efflux and spatial behavior. *Experimental Neurology*.

doi: <http://dx.doi.org/10.1016/j.expneurol.2016.01.018>.
<http://www.sciencedirect.com/science/article/pii/S0014488616300176>

Hall, J. M., Vetreno, R. P., & Savage, L. M. (2013). Differential Cortical Neurotrophin and Cytogenetic Adaptation after Voluntary Exercise in Normal and Amnesic Rats. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.10.075>.
<http://www.sciencedirect.com/science/article/pii/S0306452213009354>

Hamaguchi, T., Eisele, Y. S., Varvel, N. H., Lamb, B. T., Walker, L. C., & Jucker, M. (2012). The presence of A β seeds, and not age per se, is critical to the initiation of A β deposition in the brain. *Acta Neuropathologica*, 1-7. doi.

Hamann, M., Plank, J., Richter, F., Bode, C., Smiljanic, S., Creed, M., . . . Richter, A. (2017). Alterations of M1 and M4 acetylcholine receptors in the genetically dystonic (dtsz) hamster and moderate antidystonic efficacy of M1 and M4 anticholinergics. *Neuroscience*, 357, 84- 98.

doi: <https://doi.org/10.1016/j.neuroscience.2017.05.051>. <http://www.sciencedirect.com/science/article/pii/S0306452217303858>

Hamidian, G., Zirak, K., Sheikhzadeh, N., Khani Oushani, A., Shabanzadeh, S., & Divband, B. (2018). Intestinal histology and stereology in rainbow trout (*Oncorhynchus mykiss*) administrated with nanochitosan/zeolite and chitosan/zeolite composites. *Aquaculture Research*, n/a-n/a. doi: 10.1111/are.13634. <http://dx.doi.org/10.1111/are.13634>

Hamilton, A. M., Forkert, N. D., Yang, R., Wu, Y., Rogers, J. A., Yong, V. W., & Dunn, J. F. (2019). Central nervous system targeted autoimmunity causes regional atrophy: a 9.4T MRI study of the EAE mouse model of Multiple Sclerosis. *Scientific Reports*, 9(1), 8488. doi: 10.1038/s41598-019-44682-6. <https://doi.org/10.1038/s41598-019-44682-6>

Hamilton, G. F., Boschen, K. E., Goodlett, C. R., Greenough, W. T., & Klintsova, A. Y. (2012). Housing in Environmental Complexity Following Wheel Running Augments Survival of Newly Generated Hippocampal Neurons in a Rat Model of Binge Alcohol Exposure During the Third Trimester Equivalent. *Alcoholism: Clinical and Experimental Research*. doi.

Hamilton, G. F., Hernandez, I. J., Krebs, C. P., Bucko, P. J., & Rhodes, J. S. (2017). Neonatal alcohol exposure reduces number of parvalbumin-positive interneurons in the medial prefrontal cortex and impairs passive avoidance acquisition in mice deficits not rescued from exercise. *Neuroscience*.

doi: <http://doi.org/10.1016/j.neuroscience.2017.03.058>.
<http://www.sciencedirect.com/science/article/pii/S0306452217302336>

Hamilton, G. F., Jablonski, S. A., Schiffino, F. L., St. Cyr, S. A., Stanton, M. E., & Klintsova, A. Y. (2014). Exercise and environment as an intervention for neonatal alcohol effects on hippocampal adult neurogenesis and learning. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.01.061>. <http://www.sciencedirect.com/science/article/pii/S0306452214000827>

Hamilton, G. F., Murawski, N. J., Cyr, S. A. S., Jablonski, S. A., Schiffino, F. L., Stanton, M. E., & Klintsova, A. Y. (2011). Neonatal alcohol exposure disrupts hippocampal neurogenesis and contextual fear conditioning in adult rats. *Brain Research*. doi.

Hamity, M. V., Walder, R. Y., & Hammond, D. L. (2014). Increased Neuronal Expression of Neurokinin-1 Receptor and Stimulus-Evoked Internalization of the Receptor in the Rostral Ventromedial Medulla of the Rat after Peripheral Inflammatory Injury. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23564. <http://dx.doi.org/10.1002/cne.23564>

Hammad, M., Schmidt, S. L., Zhang, X., Bray, R., Frohlich, F., & Troy Ghashghaei, H. (2014). Transplantation of GABAergic Interneurons into the Neonatal Primary Visual Cortex Reduces Absence Seizures in Stargazer Mice. *Cerebral Cortex*. doi: 10.1093/cercor/bhu094. <http://cercor.oxfordjournals.org/content/early/2014/05/08/cercor.bhu094....>

Hammels, C., Prickaerts, J., Kenis, G., Vanmierlo, T., Fischer, M., Steinbusch, H. W. M., . . . Rutten, B. P. F. (2014). Differential susceptibility to chronic social defeat stress relates to the number of Dnmt3a-immunoreactive neurons in the hippocampal dentate gyrus. *Psychoneuroendocrinology*, (0). doi: <http://dx.doi.org/10.1016/j.psyneuen.2014.09.021>. <http://www.sciencedirect.com/science/article/pii/S0306453014003618>

Hammond, D. L., Ackerman, L., Holdsworth, R., & Elzey, B. (2004). Effects of spinal nerve ligation on immunohistochemically identified neurons in the L4 and L5 dorsal root ganglia of the rat. *Journal of Comparative Neurology*, 475(4), 575-589. doi.

Hamodeh, S., Baizer, J., Sugihara, I., & Sultan, F. (2014). Systematic analysis of neuronal wiring of the rodent deep cerebellar nuclei reveals differences reflecting adaptations at the neuronal circuit and internuclear level. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23545. <http://dx.doi.org/10.1002/cne.23545>

Hampp, C., Borders-Hemphill, V., Moeny, D. G., & Wysowski, D. K. (2014). Use of antidiabetic drugs in the U.S., 2003–2012. *Diabetes Care*, 37. doi: 10.2337/dc13-2289. <http://dx.doi.org/10.2337/dc13-2289>

Hampton, D. W., Webber, D. J., Bilican, B., Goedert, M., Spillantini, M. G., & Chandran, S. (2010). Cell-mediated neuroprotection in a mouse model of human tauopathy. *Journal of Neuroscience*, 30. doi: 10.1523/JNEUROSCI.0834-10.2010. <http://dx.doi.org/10.1523/JNEUROSCI.0834-10.2010>

Han, C. J., O'Tuathaigh, C. M., van Trigt, L., Quinn, J. J., Fanselow, M. S., Mongeau, R., . . . Anderson, D. J. (2003). Trace but not delay fear conditioning requires attention and the

anterior cingulate cortex. *Proceedings of the National Academy of Sciences*, 100(22), 13087- 13092. doi: 10.1073/Proceedings of the National Academy of Sciences.2132313100. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/100/22/13087>

Han, S.-W., Kim, Y.-C., & Narayanan, N. S. (2017). Projection targets of medial frontal D1DR-expressing neurons. *Neuroscience Letters*. doi: <http://dx.doi.org/10.1016/j.neulet.2017.06.057>. <http://www.sciencedirect.com/science/article/pii/S0304394017305487>

Han, W., Sun, Y., Wang, X., Zhu, C., & Blomgren, K. (2014). Delayed, Long-Term Administration of the Caspase Inhibitor Q-VD-OPh Reduced Brain Injury Induced by Neonatal Hypoxia-Ischemia. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/FullText/357939>

Han, X., Xu, T., Fang, Q., Zhang, H., Yue, L., Hu, G., & Sun, L. (2021). Quercetin hinders microglial activation to alleviate neurotoxicity via the interplay between NLRP3 inflammasome and mitophagy. *Redox Biology*, 44, 102010. doi: <https://doi.org/10.1016/j.redox.2021.102010>. <https://www.sciencedirect.com/science/article/pii/S2213231721001683>

Han, X., Zhao, S., Song, H., Xu, T., Fang, Q., Hu, G., & Sun, L. (2021). Kaempferol alleviates LD- mitochondrial damage by promoting autophagy: Implications in Parkinson's disease. *Redox Biology*, 41, 101911. doi: <https://doi.org/10.1016/j.redox.2021.101911>. <https://www.sciencedirect.com/science/article/pii/S2213231721000598>

Hanbury, R., Chen, E. Y., Wu, J., & Kordower, J. H. (2003). Knockout of p75 NTR does not alter the viability of striatal neurons following a metabolic or excitotoxic injury. *Journal of Molecular Neuroscience*, 20(2), 93-102. doi.

Hanbury, R., Ling, Z. D., Wu, J., & Kordower, J. H. (2003). GFAP knockout mice have increased levels of GDNF that protect striatal neurons from metabolic and excitotoxic insults. *Journal of Comparative Neurology*, 461(3), 307-316. doi.

Haney, M. J., Klyachko, N. L., Zhao, Y., Gupta, R., Plotnikova, E. G., He, Z., . . . Batrakova, E. V. (2015). Exosomes as drug delivery vehicles for Parkinson's disease therapy. *Journal of Controlled Release*, 207(0), 18-30. doi: <http://dx.doi.org/10.1016/j.jconrel.2015.03.033>. <http://www.sciencedirect.com/science/article/pii/S0168365915002138>

Haney, M. J., Zhao, Y., Harrison, E. B., Mahajan, V., Ahmed, S., He, Z., . . . Batrakova, E. V. (2013). Specific Transfection of Inflamed Brain by Macrophages: A New Therapeutic Strategy for Neurodegenerative Diseases. *Plos one*, 8(4), e61852. doi: 10.1371/journal.pone.0061852. <http://dx.doi.org/10.1371%2Fjournal.pone.0061852>

Hannah, H., Maria-Eleni, A., J., B. H., P., G. J., W., T. R., A., B. L., . . . Z., L. N. (2018). Dissecting the neuronal vulnerability underpinning Alpers' syndrome: A clinical and neuropathological

study. *Brain Pathology*, 0(ja). doi:

doi:10.1111/bpa.12640. <https://onlinelibrary.wiley.com/doi/abs/10.1111/bpa.12640>

Hanscom, M., Loane, D. J., Aubretch, T., Leser, J., Molesworth, K., Hedgekar, N., . . . Faden, A. I. (2021). Acute colitis during chronic experimental traumatic brain injury in mice induces dysautonomia and persistent extraintestinal, systemic, and CNS inflammation with exacerbated neurological deficits. *Journal of neuroinflammation*, 18(1), 24. doi: 10.1186/s12974-020-02067-x. <https://doi.org/10.1186/s12974-020-02067-x>

Hansen, C., Björklund, T., Petit, G. H., Lundblad, M., Murmu, R. P., Brundin, P., & Li, J.-Y. (2013). A novel α -synuclein-GFP mouse model displays progressive motor impairment, olfactory dysfunction and accumulation of α -synuclein-GFP. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.04.017>.

<http://www.sciencedirect.com/science/article/pii/S0969996113001319>

Hansen, C. N., Fisher, L. C., Deibert, R. J., Jakeman, L. B., Zhang, H., Noble-Haeusslein, L., . . . Basso, D. M. (2013). Elevated MMP-9 in the Lumbar Cord Early after Thoracic Spinal Cord Injury Impedes Motor Relearning in Mice. *Journal of Neuroscience*, 33(32), 13101-13111. doi: 10.1523/jneurosci.1576-13.2013. <http://www.jneurosci.org/content/33/32/13101.abstract>

Hansen, K. R., Craig, L. T. B., Zavy, M. T., Klein, N. A., & Soules, M. R. (2012). Ovarian primordial and nongrowing follicle counts according to the Stages of Reproductive Aging Workshop (STRAW) staging system. *Menopause*, 19(2), 164-164. doi.

Hansen, K. R., Knowlton, N. S., Thyer, A. C., Charleston, J. S., Soules, M. R., & Klein, N. A. (2008). A new model of reproductive aging: the decline in ovarian non-growing follicle number from birth to menopause. *Human Reproduction*, 23(3), 699-708. doi: 10.1093/humrep/dem408.

<http://humrep.oxfordjournals.org/cgi/content/abstract/23/3/699>

Hanslick, J. L., Lau, K., Noguchi, K. K., Olney, J. W., Zorumski, C. F., Mennerick, S., & Farber, N. B. (2009). Dimethyl sulfoxide (DMSO) produces widespread apoptosis in the developing central nervous system. *Neurobiology of Disease*, 34(1), 1-10. doi.

Hanson, K. L., Lew, C. H., Hrvoj-Mihic, B., Groeniger, K. M., Halgren, E., Bellugi, U., & Semendeferi, K. (2017). Increased glia density in the caudate nucleus in Williams syndrome: Implications for frontostriatal dysfunction in autism. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22554.

<http://dx.doi.org/10.1002/dneu.22554>

Hao, F., Yang, C., Chen, S.-S., Wang, Y.-Y., Zhou, W., Hao, Q., . . . Xu, Q.-Y. (2017). Long-Term Protective Effects of AAV9-Mesencephalic Astrocyte-Derived Neurotrophic Factor Gene Transfer in Parkinsonian Rats. *Experimental Neurology*.

doi: <http://dx.doi.org/10.1016/j.expneurol.2017.01.008>.

<http://www.sciencedirect.com/science/article/pii/S001448861730016X>

Hao, J., Janssen, W. G. M., Tang, Y., Roberts, J. A., McKay, H., Lasley, B., . . . others. (2003). Estrogen increases the number of spinophilin-immunoreactive spines in the hippocampus of young and aged female rhesus monkeys. *Journal of Comparative Neurology*, 465(4), 540-550. doi.

Harburga, G. C., Hallb, F. S., Harrist, A. V., Sorad, I., Uhlb, G. R., & Eisch, A. J. (2007). Knockout of the mu opioid receptor enhances the survival of adult-generated hippocampal granule cell neurons *Neuroscience*, 144(1), 77-87. doi.

Hargus, G., Cooper, O., Deleidi, M., Levy, A., Lee, K., Marlow, E., . . . Isacson, O. (2010). Differentiated Parkinson patient-derived induced pluripotent stem cells grow in the adult rodent brain and reduce motor asymmetry in Parkinsonian rats. *Proceedings of the National Academy of Sciences*. doi: 10.1073/Proceedings of the National Academy of Sciences.1010209107. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2010/08/18/1010209107.abstract>

Harhausen, D., Khojasteh, U., Stahel, P. F., Morgan, B. P., Nietfeld, W., Dirnagl, U., . . . others. (2010). Membrane attack complex inhibitor CD59a protects against focal cerebral ischemia in mice. *Journal of neuroinflammation*, 7(1), 15-15. doi.

Harhausen, D., Prinz, V., Ziegler, G., Gertz, K., Endres, M., Lehrach, H., . . . Trendelenburg, G. (2010). CD93/AA4.1: A Novel Regulator of Inflammation in Murine Focal Cerebral Ischemia. *Journal of Immunology*, 184(11), 6407-6417. doi: 10.4049/jimmunol.0902342. <http://www.jimmunol.org/cgi/content/abstract/184/11/6407>

Harischandra, D. S., Rokad, D., Neal, M. L., Ghaisas, S., Manne, S., Sarkar, S., . . . Lewis, M. (2019). Manganese promotes the aggregation and prion-like cell-to-cell exosomal transmission of α -synuclein. *Sci. Signal.*, 12(572), eaau4543. doi. <http://stke.sciencemag.org/content/12/572/eaau4543.abstract>

Harkin, A., Sanyal, S., Park, S., Chen, L., Zhang, T., Hong, J., & Di Tand Chen, L. (2018). Tingting Zhang^{1, 2}, Juan Hong^{1, 2}, Tingting Di² and Ling Chen^{1, 2}. *Biology of Brain Disorders*, 405. doi. https://books.google.com/books?hl=en&lr=lang_en&id=isRJDwAAQBAJ&oi=fnd&p..

Harley, S. B. R., Willis, E. F., Shaikh, S. N., Blackmore, D. G., Sah, P., Ruitenberg, M. J., . . . Vukovic, J. (2021). Selective ablation of BDNF from microglia reveals novel roles in self-renewal and hippocampal neurogenesis. *The Journal of Neuroscience*, JN-RM-2539-2520. doi: 10.1523/jneurosci.2539-20.2021. <http://www.jneurosci.org/content/early/2021/03/22/JNEUROSCI.2539-20.2021..>

Harms, A. S., Barnum, C. J., Ruhn, K. A., Varghese, S., Treviño, I., Blesch, A., & Tansey, M. G. (2010). Delayed dominant-negative TNF gene therapy halts progressive loss of nigral dopaminergic neurons in a rat model of Parkinson's disease. *Molecular Therapy*, 19(1), 46-52. doi.

Harms, A. S., Cao, S., Rowse, A. L., Thome, A. D., Li, X., Mangieri, L. R., . . . Standaert, D. G. (2013). MHCII Is Required for α -Synuclein-Induced Activation of Microglia, CD4 T Cell Proliferation, and Dopaminergic Neurodegeneration. *Journal of Neuroscience*, 33(23), 9592- 9600. doi: 10.1523/jneurosci.5610-12.2013. <http://www.jneurosci.org/content/33/23/9592.abstract>

Harnack, D., Meissner, W., Jira, J. A., Winter, C., Morgenstern, R., & Kupsch, A. (2008). Placebo-controlled chronic high-frequency stimulation of the subthalamic nucleus

preserves dopaminergic nigral neurons in a rat model of progressive Parkinsonism. *Experimental Neurology*, 210(1), 257-260. doi.

Harorli, O. T., Bayindir, Y. Z., Altunkaynak, Z., & Tatar, A. (2009). Cytotoxic effects of TEGDMA on THP-1 cells in vitro. *CAL*, 14(9), e489fÇö493-e489fÇö493. doi.

Harrell, C. S., Zainaldin, C., McFarlane, D., Hyer, M. M., Stein, D., Sayeed, I., & Neigh, G. N. (2018). High-fructose diet during adolescent development increases neuroinflammation and depressive-like behavior without exacerbating outcomes after stroke. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2018.05.018>.
<http://www.sciencedirect.com/science/article/pii/S0889159118301910>

Harris, N. G., Mironova, Y. A., Hovda, D. A., & Sutton, R. L. (2010). Chondroitinase ABC enhances pericontusion axonal sprouting but does not confer robust improvements in behavioral recovery. *Journal of Neurotrauma*, 27(11), 1971-1971. doi.

Harris, N. G., Mironova, Y. A., Hovda, D. A., & Sutton, R. L. (2010). Pericontusion axon sprouting is spatially and temporally consistent with a growth-permissive environment after traumatic brain injury. *Journal of Neuropathology and Experimental Neurology*, 69(2), 139-139. doi.

Harris, N. G., Verley, D. R., Gutman, B. A., & Sutton, R. L. (2016). Bi-directional changes in fractional anisotropy after experiment TBI: Disorganization and reorganization? *Neuroimage*. doi: <http://dx.doi.org/10.1016/j.neuroimage.2016.03.012>.
<http://www.sciencedirect.com/science/article/pii/S1053811916002081>

Harrison, T. A., Adams, L. B. S., Moore, P. D., Perna, M. K., Sword, J. D., & Defoe, D. M. (2011). Accelerated turnover of taste bud cells in mice deficient for the cyclin-dependent kinase inhibitor p27Kip1. *BMC Neuroscience*, 12(1), 34-34. doi.

Hart, N. S., Coimbra, J. P., Collin, S. P., & Westhoff, G. (2012). Photoreceptor types, visual pigments, and topographic specializations in the retinas of hydrophiid sea snakes. *Journal of Comparative Neurology*, 520(6), 1246-1261. doi: 10.1002/cne.22784. <http://dx.doi.org/10.1002/cne.22784>

Hartley, D., & Cooper, G. M. (2002). Role of mTOR in the degradation of IRS-1: regulation of PP2A activity. *Journal of Cellular Biochemistry*, 85. doi: 10.1002/jcb.10135. <http://dx.doi.org/10.1002/jcb.10135>

Hartman, R. E., Izumi, Y., Bales, K. R., Paul, S. M., Wozniak, D. F., & Holtzman, D. M. (2005). Treatment with an Amyloid- β Antibody Ameliorates Plaque Load, Learning Deficits, and Hippocampal Long-Term Potentiation in a Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 25(26), 6213-6220. doi: <http://www.jneurosci.org/cgi/content/abstract/25/26/6213>

Hartman, R. E., Laurer, H., Longhi, L., Bales, K. R., Paul, S. M., McIntosh, T. K., & Holtzman, D. M. (2002). Apolipoprotein E4 Influences Amyloid Deposition But Not Cell Loss after Traumatic Brain Injury in a Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 22, 10083- 10087. doi.

Hartman, R. E., Shah, A., Fagan, A. M., Schwetye, K. E., Parsadanian, M., Schulman, R. N., ... Holtzman, D. M. (2006). Pomegranate juice decreases amyloid load and improves behavior in a mouse model of Alzheimer's disease. *Neurobiology of Disease*, 24(3), 506-515. doi.

Harun-Or-Rashid, M., Pappenhagen, N., Palmer, P. G., Smith, M. A., Gevorgyan, V., Wilson, G. N., ... Inman, D. M. (2018). Structural and functional rescue of chronic metabolically stressed optic nerves through respiration. [10.1523/JNEUROSCI.3652-17.2018]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2018/05/14/JNEUROSCI.3652-17.2018...>

Haruyama, N., Sakumi, K., Katogi, A., Tsuchimoto, D., De Luca, G., Bignami, M., & Nakabeppu, Y. (2019). 8-Oxoguanine accumulation in aged female brain impairs neurogenesis in the dentate gyrus and major island of Calleja, causing sexually dimorphic phenotypes. *Progress in Neurobiology*. doi: <https://doi.org/10.1016/j.pneurobio.2019.04.002>. <http://www.sciencedirect.com/science/article/pii/S0301008218302363>

Harvey, L., & Boksa, P. (2011). A stereological comparison of GAD67 and reelin expression in the hippocampal stratum oriens of offspring from two mouse models of maternal inflammation during pregnancy. *Neuropharmacology*. doi.

Hasbani, D. M., Perez, F. A., Palmiter, R. D., & O'Malley, K. L. (2005). Dopamine Depletion Does Not Protect against Acute 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Toxicity In Vivo. *Journal of Neuroscience*, 25(41), 9428-9433. doi. <http://www.jneurosci.org/cgi/content/abstract/25/41/9428>

Hasegawa, M., Smith, M. J., & Goedert, M. (1998). Tau proteins with FTDP-17 mutations have a reduced ability to promote microtubule assembly. *FEBS Letters*, 437. doi: 10.1016/S0014-5793(98)01217-4. [http://dx.doi.org/10.1016/S0014-5793\(98\)01217-4](http://dx.doi.org/10.1016/S0014-5793(98)01217-4)

Hassani, O. K., Rymar, V. V., Nguyen, K. Q., Huo, L., Cloutier, J.-F., Miller, F. D., & Sadikot, A. F. (2019). The noradrenergic system is necessary for survival of vulnerable midbrain dopaminergic neurons: Implications for development and Parkinson's disease. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2019.09.014>. <http://www.sciencedirect.com/science/article/pii/S0197458019303355>

Hassani, Z., O'Reilly, J., Pearse, Y., Stroemer, P., Tang, E., Sinden, J., ... Thuret, S. (2012). Human Neural Progenitor Cell Engraftment Increases Neurogenesis and Microglial Recruitment in the Brain of Rats with Stroke. *Plos one*, 7(11), e50444. doi: 10.1371/journal.pone.0050444. <http://dx.doi.org/10.1371/journal.pone.0050444>

Hassen, G. W., Kesner, L., Stracher, A., Shulman, A., Rockenstein, E., Mante, M., ... Masliah, E. (2018). Effects of Novel Calpain Inhibitors in Transgenic Animal Model of Parkinson's disease/dementia with Lewy bodies. *Scientific Reports*, 8(1), 18083. doi: 10.1038/s41598-018-35729-1. <https://doi.org/10.1038/s41598-018-35729-1>

Hassouna, I., Ott, C., Wustefeld, L., Offen, N., Neher, R. A., Mitkovski, M., ... Ehrenreich, H. (2016). Revisiting adult neurogenesis and the role of erythropoietin for neuronal and

oligodendroglial differentiation in the hippocampus. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2015.212. <http://dx.doi.org/10.1038/mp.2015.212>

Hastings, N. B., Seth, M. I., Tanapat, P., Rydel, T. A., & Gould, E. (2002). Granule neurons generated during development extend divergent axon collaterals to hippocampal area CA3. *Journal of Comparative Neurology*, 452(4), 324-333. doi.

Hasturk, A. E., Yilmaz, E. R., Hayirli, N., Kayalar, A. E., Akyildiz, S., Gökce, E. C., . . . Bakir, A. (2018). Stereologic and ultrastructural comparison of human and rat amniotic membrane wrapping for rat sciatic nerve repair. *Journal of Clinical Neuroscience*. doi: 10.1016/j.jocn.2018.08.007. <https://doi.org/10.1016/j.jocn.2018.08.007>

Hata, T., Chen, J., Ebihara, K., Date, Y., Ishida, Y., & Nakahara, D. (2011). Intra-ventral tegmental area or intracerebroventricular orexin-A increases the intra-cranial self-stimulation threshold via activation of the corticotropin-releasing factor system in rats. *European Journal of Neuroscience*, 34(5), 816-826. doi: 10.1111/j.1460-9568.2011.07808.x. <http://dx.doi.org/10.1111/j.1460-9568.2011.07808.x>

Hatcher, J. M., Richardson, J. R., Guillot, T. S., McCormack, A. L., Di Monte, D. A., Jones, D. P., . . . Miller, G. W. (2007). Dieldrin exposure induces oxidative damage in the mouse nigrostriatal dopamine system. *Experimental Neurology*, 204(2), 619-630. doi.

Hattiangady, B., Kuruba, R., & Shetty, A. K. (2011). Acute seizures in old age leads to a greater loss of CA1 pyramidal neurons, an increased propensity for developing chronic TLE and a severe cognitive dysfunction. *Aging and Disease*, 2(1), 1-1. doi.

Hattiangady, B., Rao, M. S., & Shetty, A. K. (2004). Chronic temporal lobe epilepsy is associated with severely declined dentate neurogenesis in the adult hippocampus. *Neurobiology of Disease*, 17(3), 473-490. doi.

Hattiangady, B., Rao, M. S., & Shetty, A. K. (2008). Grafting of striatal precursor cells into hippocampus shortly after status epilepticus restrains chronic temporal lobe epilepsy. *Experimental Neurology*, 212(2), 468-481. doi.

Hattiangady, B., Rao, M. S., & Shetty, A. K. (2008). Plasticity of hippocampal stem/progenitor cells to enhance neurogenesis in response to kainate-induced injury is lost by middle age. *Aging Cell*, 7(2), 207-224. doi: doi:10.1111/j.1474-9726.2007.00363.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1474-9726.2007.00363.x>

Hattiangady, B., Rao, M. S., Shetty, G. A., & Shetty, A. K. (2005). Brain-derived neurotrophic factor, phosphorylated cyclic AMP response element binding protein and neuropeptide Y decline as early as middle age in the dentate gyrus and CA1 and CA3 subfields of the hippocampus. *Experimental Neurology*, 195(2), 353-371. doi.

Hattiangady, B., Rao, M. S., Zaman, V., & Shetty, A. K. (2006). Incorporation of embryonic CA3 cell grafts into the adult hippocampus at 4-months after injury: effects of combined neurotrophic supplementation and caspase inhibition. *Neuroscience*, 139(4), 1369-1383. doi.

Hattiangady, B., & Shetty, A. K. (2007). Neural Stem Cell Grafting in an Animal Model of Chronic Temporal Lobe Epilepsy Current Protocols in Stem Cell Biology: John Wiley & Sons, Inc.

Hattiangady, B., & Shetty, A. K. (2008). Aging does not alter the number or phenotype of putative stem/progenitor cells in the neurogenic region of the hippocampus. *Neurobiology of Aging*, 29(1), 129-147. doi.

Hattiangady, B., & Shetty, A. K. (2010). Decreased neuronal differentiation of newly generated cells underlies reduced hippocampal neurogenesis in chronic temporal lobe epilepsy. *Hippocampus*, 20(1), 97-112. doi.

Hattiangady, B., Shuaib, B., Caic, J., Coksayganc, T., Raod, M. S., & Shetty, A. K. (2007). Increased Dentate Neurogenesis After Grafting of Glial Restricted Progenitors or Neural Stem Cells in the Aging Hippocampus. *Stem Cells*, 25(8), 2104-2117. doi.

Hattori, T., Sato, Y., Kondo, T., Ichinohashi, Y., Sugiyama, Y., Yamamoto, M., . . . Suzuki, S. (2015). Administration of Umbilical Cord Blood Cells Transiently Decreased Hypoxic- Ischemic Brain Injury in Neonatal Rats. *Developmental Neuroscience*. doi. <http://www.karger.com/Article/Abstract/368396>

Hatzipetros, T., Bogdanik, L. P., Tassinari, V. R., Kidd, J. D., Moreno, A. J., Davis, C., . . . Lutz, C. (2013). C57BL/6J congenic Prp-TDP43A315T mice develop progressive neurodegeneration in the myenteric plexus of the colon without exhibiting key features of ALS. *Brain Research*. doi. <http://www.ncbi.nlm.nih.gov/pubmed/24141148>

Haus, D. L., López-Velázquez, L., Gold, E. M., Cunningham, K. M., Perez, H., Anderson, A. J., & Cummings, B. J. (2016). Transplantation of human neural stem cells restores cognition in an immunodeficient rodent model of traumatic brain injury. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.04.008>. <http://www.sciencedirect.com/science/article/pii/S0014488616300887>

Hausdorf, J., Lemmens, M. A. M., Heck, K. D. W., Grolms, N., Korr, H., Kertschanska, S., . . . Maier, M. (2008). Selective loss of unmyelinated nerve fibers after extracorporeal shockwave application to the musculoskeletal system. *Neuroscience*, 155(1), 138-144. doi.

Hauser, J., Llano López, L. H., Feldon, J., Gargiulo, P. A., & Yee, B. K. (2020). Small lesions of the dorsal or ventral hippocampus subregions are associated with distinct impairments in working memory and reference memory retrieval, and combining them attenuates the acquisition rate of spatial reference memory. *Hippocampus*, n/a(n/a). doi: 10.1002/hipo.23207. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hipo.23207>

Hauser, T., Klaus, F., Lipp, H.-P., & Amrein, I. (2009). No effect of running and laboratory housing on adult hippocampal neurogenesis in wild caught long-tailed wood mouse. *BMC Neuroscience*, 10(1), 43. doi. <http://www.biomedcentral.com/1471-2202/10/43>

Haussler, U., Bielefeld, L., Froriep, U. P., Wolfart, J., & Haas, C. A. (2011). Septotemporal Position in the Hippocampal Formation Determines Epileptic and Neurogenic Activity in

Temporal Lobe Epilepsy. *Cerebral Cortex*, bhr054. doi: 10.1093/cercor/bhr054. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhr054v1>

Hawes, J. E., Tesic, D., Whitehouse, A. J., Zosky, G. R., Smith, J. T., & Wyrwoll, C. S. (2015). Maternal vitamin D deficiency alters fetal brain development in the BALB/c mouse. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2015.03.008>. <http://www.sciencedirect.com/science/article/pii/S0166432815001527>

Hawkins, R. F. W., Patenaude, A., Dumas, A., Jain, R., Tesfagiorgis, Y., Kerfoot, S., . . . Vallières, L. (2017). ICAM1⁺ neutrophils promote chronic inflammation via ASPRV1 in B cell-dependent autoimmune encephalomyelitis. *JCI Insight*, 2(23). doi: 10.1172/jci.insight.96882. <https://doi.org/10.1172/jci.insight.96882>

Hawley, D. F., & Leasure, J. L. (2011). Region-specific response of the hippocampus to chronic unpredictable stress. *Hippocampus*. doi.

Hawley, D. F., Morch, K., Christie, B. R., & Leasure, J. L. (2012). Differential Response of Hippocampal Subregions to Stress and Learning. *Plos one*, 7(12), e53126. doi: 10.1371/journal.pone.0053126. <http://dx.doi.org/10.1371%2Fjournal.pone.0053126>

Hawley, S. A., Gadalla, A. E., Olsen, G. S., & Hardie, D. G. (2002). The antidiabetic drug metformin activates the AMP-activated protein kinase cascade via an adenine nucleotide-independent mechanism. *Diabetes*, 51. doi: 10.2337/diabetes.51.8.2420. <http://dx.doi.org/10.2337/diabetes.51.8.2420>

Hawlitschka, A., Holzmann, C., Witt, S., Spiewok, J., Neumann, A.-M., Schmitt, O., . . . Antipova, V. (2017). Intrastratially injected botulinum neurotoxin-A differently affects cholinergic and dopaminergic fibers in C57BL/6 mice. *Brain Research*, 1676(Supplement C), 46-56. doi: <https://doi.org/10.1016/j.brainres.2017.09.016>. <http://www.sciencedirect.com/science/article/pii/S0006899317304018>

Hayashi, A., Koob, J. W., Liu, D. Z., Tong, A. Y., Hunter, D. A., Parsadanian, A., . . . Myckatyn, T. M. (2007). A double-transgenic mouse used to track migrating Schwann cells and regenerating axons following engraftment of injured nerves. *Experimental Neurology*, 207, 128-138. doi.

Hayashi, A., Moradzadeh, A., Hunter, D. A., Kawamura, D. H., Puppala, V. K., Tung, T. H., . . . Myckatyn, T. M. (2007). Retrograde Labeling in Peripheral Nerve Research: It Is Not All Black and White. *Journal of Reconstructive Microsurgery*, DOI 10.1055/s-2007-992344. ISSN 0743- 684X. doi.

Hayashi, A., Moradzadeh, A., Tong, A., Wei, C., Tuffaha, S. H., Hunter, D. A., . . . Myckatyn, T. M. (2008). Treatment modality affects allograft-derived Schwann cell phenotype and myelinating capacity. *Experimental Neurology*, 212(2), 324-336. doi.

Hayashi, A., Pannucci, C., Moradzadeh, A., Kawamura, D., Magill, C., Hunter, D. A., . . . Myckatyn, T. M. (2008). Axotomy or compression is required for axonal sprouting following end-to-side neurorrhaphy. *Experimental Neurology*, 211(2), 539-550. doi.

Hayden, E. C. (2015). Anti-Ageing pill pushed as bona fide drug. *Nature*, 522. doi: 10.1038/522265a. <http://dx.doi.org/10.1038/522265a>

Hayden, E. Y., Putman, J., Nunez, S., Shin, W. S., Oberoi, M., Charreton, M., . . . Hinman, J. D. (2019). Ischemic axonal injury up-regulates MARK4 in cortical neurons and primes tau phosphorylation and aggregation. *Acta Neuropathologica Communications*, 7(1), 135. doi: 10.1186/s40478-019-0783-6. <https://doi.org/10.1186/s40478-019-0783-6>

Hayes, L., Ralls, S., Wang, H., & Ahn, S. (2012). Duration of Shh signaling contributes to mDA neuron diversity. *Developmental Biology*, (0). doi: <http://dx.doi.org/10.1016/j.ydbio.2012.11.016>. <http://www.sciencedirect.com/science/article/pii/S0012160612006355>

Hays, S. A., Ruiz, A., Bethea, T., Khodaparast, N., Carmel, J. B., Rennaker II, R. L., & Kilgard, M. P. (2016). Vagus Nerve Stimulation during Rehabilitative Training Enhances Recovery of Forelimb Function after Ischemic Stroke in Aged Rats. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2016.03.030>. <http://www.sciencedirect.com/science/article/pii/S0197458016300227>

Hayward, N. M. E. A., Immonen, R., Tuunanen, P. I., Ndoe-Ekane, X. E., Gröhn, O., & Pitkänen, A. (2010). Association of chronic vascular changes with functional outcome after traumatic brain injury in rats. *Journal of Neurotrauma*, 27(12), 2203-2219. doi.

Hayward, N. M. E. A., Tuunanen, P. I., Immonen, R., Ndoe-Ekane, X. E., Pitkänen, A., & Gröhn, O. (2010). Magnetic resonance imaging of regional hemodynamic and cerebrovascular recovery after lateral fluid-percussion brain injury in rats. *Journal of Cerebral Blood Flow and Metabolism*, 31(1), 166-177. doi.

Hayward, N. M. E. A., Yanev, P., Haapasalo, A., Miettinen, R., Hiltunen, M., Gröhn, O., & Jolkkonen, J. (2010). Chronic hyperperfusion and angiogenesis follow subacute hypoperfusion in the thalamus of rats with focal cerebral ischemia. *Journal of Cerebral Blood Flow and Metabolism*, 31(4), 1119-1132. doi.

Hazelton, J. L., Balan, I., Elmer, G. I., Kristian, T., Rosenthal, R. E., Krause, G., . . . Fiskum, G. (2010). Hyperoxic reperfusion after global cerebral ischemia promotes inflammation and long-term hippocampal neuronal death. *Journal of Neurotrauma*, 27(4), 753-762. doi.

He, B.-R., Lu, F., Zhang, L., Hao, D.-J., & Yang, H. (2014). An alternative long-term culture system for highly-pure mouse spermatogonial stem cells. *Journal of Cellular Physiology*, n/a-n/a. doi: 10.1002/jcp.24880. <http://dx.doi.org/10.1002/jcp.24880>

He, F., Zou, J.-T., Zhou, Q.-F., Niu, D.-L., & Jia, W.-H. (2014). Glatiramer acetate reverses cognitive deficits from cranial-irradiated rat by inducing hippocampal neurogenesis. *Journal of Neuroimmunology*, (0). doi: <http://dx.doi.org/10.1016/j.jneuroim.2014.03.015>. <http://www.sciencedirect.com/science/article/pii/S0165572814000940>

He, H., Guo, W.-W., Xu, R.-R., Chen, X.-Q., Zhang, N., Wu, X., & Wang, X.-M. (2016). Alkaloids from piper longum protect dopaminergic neurons against inflammation-mediated damage

induced by intranigral injection of lipopolysaccharide. [journal article]. BMC Complementary and Alternative Medicine, 16(1), 412. doi: 10.1186/s12906-016-1392-6. <http://dx.doi.org/10.1186/s12906-016-1392-6>

He, J.-W., Rabiller, G., Nishijima, Y., Akamatsu, Y., Khateeb, K., Yazdan-Shahmorad, A., & Liu, J. (2019). Experimental cortical stroke induces aberrant increase of sharp-wave-associated ripples in the hippocampus and disrupts cortico-hippocampal communication. *Journal of Cerebral Blood Flow and Metabolism*, 0271678X19877889. doi: 10.1177/0271678x19877889. <https://doi.org/10.1177/0271678x19877889>

He, K. Y., Yang, S. Z., Shen, D. H., Zhang, L. M., Lu, S. D., & Sun, F. Y. (2009). Excision repair cross-complementing 1 expression protects against ischemic injury following middle cerebral artery occlusion in the rat brain. *Gene Therapy*, 16(7), 840-848. doi.

He, Q., Koprich, J., Wang, Y., Yu, W.-b., Xiao, B.-g., Brotchie, J., & Wang, J. (2015). Treatment with Trehalose Prevents Behavioral and Neurochemical Deficits Produced in an AAV α -Synuclein Rat Model of Parkinson's Disease. *Molecular Neurobiology*, 1-11. doi: 10.1007/s12035-015-9173-7. <http://dx.doi.org/10.1007/s12035-015-9173-7>

Healy-Stoffel, M., Ahmad, S. O., Stanford, J. A., & Levant, B. (2012). A novel use of combined tyrosine hydroxylase and silver nucleolar staining to determine the effects of a unilateral intrastriatal 6-hydroxydopamine lesion in the substantia nigra: A stereological study. *Journal of Neuroscience Methods*, 210, 187-194. doi: 10.1016/j.jneumeth.2012.07.013. <http://www.sciencedirect.com/science/article/pii/S0165027012002774>

Healy-Stoffel, M., Ahmad, S. O., Stanford, J. A., & Levant, B. (2013). Altered Nucleolar Morphology in Substantia Nigra Dopamine Neurons Following 6-Hydroxydopamine Lesion in Rats. *Neuroscience Letters*, (0). doi: <http://dx.doi.org/10.1016/j.neulet.2013.04.033>. <http://www.sciencedirect.com/science/article/pii/S0304394013003923>

Healy-Stoffel, M., Omar Ahmad, S., Stanford, J. A., & Levant, B. (2014). Differential effects of intrastriatal 6-hydroxydopamine on cell number and morphology in midbrain dopaminergic subregions of the rat. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2014.05.045>. <http://www.sciencedirect.com/science/article/pii/S0006899314007768>

Hebbeler, S. L., & Sengelaub, D. R. (2003). Development of a sexually dimorphic neuromuscular system in male rats after spinal transection: morphologic changes and implications for estrogen sites of action. *Journal of Comparative Neurology*, 467(1), 80-96. doi.

Hebbeler, S. L., Verhovshek, T., & Sengelaub, D. R. (2002). N-methyl-D-aspartate receptor blockade inhibits estrogenic support of dendritic growth in a sexually dimorphic rat spinal nucleus. *Journal of Comparative Neurology*, 451(2), 142-152. doi.

Hebert, L. E., Weuve, J., Scherr, P. A., & Evans, D. A. (2013). Alzheimer disease in the United States (2010–2050) estimated using the 2010 census. *Neurology*, 80. doi: 10.1212/WNL.0b013e31828726f5. <http://dx.doi.org/10.1212/WNL.0b013e31828726f5>

Hedberg-Buenz, A., Christopher, M. A., Lewis, C. J., Meyer, K. J., Rudd, D. S., Dutca, L. M., . . . Anderson, M. G. (2015). RetFM-J, an ImageJ-based module for automated counting and quantifying features of nuclei in retinal whole-mounts. *Experimental Eye Research*. doi: <http://dx.doi.org/10.1016/j.exer.2015.07.020>.
<http://www.sciencedirect.com/science/article/pii/S0014483515002535>

Hedlund, E., Pruszak, J., Ferree, A., Vinuela, A., Hong, S., Isacson, O., & Kim, K.-S. (2007). Selection of Embryonic Stem Cell-Derived Enhanced Green Fluorescent Protein-Positive Dopamine Neurons Using the Tyrosine Hydroxylase Promoter Is Confounded by Reporter Gene Expression in Immature Cell Populations. *Stem Cells*, 25(5), 1126–1135. doi: 10.1634/stemcells.2006-0540. <http://stemcells.alphamedpress.org/cgi/content/abstract/25/5/1126>

Hedlund, E., Pruszak, J., Lardaro, T., Ludwig, W., Vinuela, A., Kim, K.-S., & Isacson, O. (2008). Embryonic Stem Cell-Derived Ptx3-Enhanced Green Fluorescent Protein Midbrain Dopamine Neurons Survive Enrichment by Fluorescence-Activated Cell Sorting and Function in an Animal Model of Parkinson's Disease. *Stem Cells*, 26(6), 1526–1536. doi: 10.1634/stemcells.2007-0996. <http://stemcells.alphamedpress.org/cgi/content/abstract/26/6/1526>

Hedou, G., Jongen-Relo, A. L., Murphy, C. A., Heidbreder, C. A., & Feldon, J. (2002). Sensitized Fos expression in subterritories of the rat medial prefrontal cortex and nucleus accumbens following amphetamine sensitization as revealed by stereology. *Brain Research*, 950(1-2), 165–179. doi.

Heermann, S., Opazo, F., Falkenburger, B., Krieglstein, K., & Spittau, B. (2010). Aged Tgf β 2/Gdnf double-heterozygous mice show no morphological and functional alterations in the nigrostriatal system. *Journal of Neural Transmission*, 117(6), 719–727. doi.

Heermann, T., Garrett, L., Wurst, W., Fuchs, H., Gailus-Durner, V., Hrabě de Angelis, M., . . . Hölter, S. M. (2018). Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-1365-5
5. <https://doi.org/10.1007/s12035-018-1365-5>

Hefendehl, J. K., Neher, J. J., Sühs, R. B., Kohsaka, S., Skodras, A., & Jucker, M. (2013). Homeostatic and injury-induced microglia behavior in the aging brain. *Aging cell*, n/a-n/a. doi: 10.1111/acer.12149. <http://dx.doi.org/10.1111/acer.12149>

Hegdekar, N., Lipinski, M. M., & Sarkar, C. (2021). N-Acetyl-L-leucine improves functional recovery and attenuates cortical cell death and neuroinflammation after traumatic brain injury in mice. *Scientific Reports*, 11(1), 9249. doi: 10.1038/s41598-021-88693-8
8. <https://doi.org/10.1038/s41598-021-88693-8>

Hegglund, I., Storkaas, I. S., Soligard, H. T., Kibro-Flatmoen, A., & Witter, M. P. (2015). Stereological estimation of neuron number and plaque load in the hippocampal region of a

transgenic rat model of Alzheimer's disease. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12876. <http://dx.doi.org/10.1111/ejn.12876>

Hei, M., Luo, Y., Zhang, X., & Liu, F. (2011). Tanshinone IIA Alleviates the Biochemical Changes Associated with Hypoxic Ischemic Brain Damage in a Rat Model. *Phytotherapy Research*, 25(12), 1865-1869. doi: 10.1002/ptr.3500. <http://dx.doi.org/10.1002/ptr.3500>

Heidary, D. K., Huang, G., Boucher, D., Ma, J., Forster, C., Grey, R., . . . others. (2012). VX-322: A Novel Dual Receptor Tyrosine Kinase Inhibitor for the Treatment of Acute Myelogenous Leukemia. *Journal of Medicinal Chemistry*. doi.

Heikkinen, T., Kalesnykas, G., Rissanen, A., Tapiola, T., Iivonen, S., Wang, J., . . . Puoliväli, J. (2004). Estrogen treatment improves spatial learning in APP+ PS1 mice but does not affect beta amyloid accumulation and plaque formation. *Experimental Neurology*, 187(1), 105-117. doi.

Heikkinen, T., Lehtimäki, K., Vartiainen, N., Puoliväli, J., Hendricks, S. J., Glaser, J. R., . . . Park, L. C. (2012). Characterization of Neurophysiological and Behavioral Changes, MRI Brain Volumetry and 1H MRS in zQ175 Knock-In Mouse Model of Huntington's Disease. *Plos one*, 7(12), e50717. doi: 10.1371/journal.pone.0050717. <http://dx.doi.org/10.1371%2Fjournal.pone.0050717>

Heilbronner, S. R., Meyer, M. A. A., Choi, E. Y., & Haber, S. N. (2018). How do corticostriatal projections impact on downstream pallidal circuitry? [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1662-9. <https://doi.org/10.1007/s00429-018-1662-9>

Helfer, J. L., Calizo, L. H., Dong, W. K., Goodlett, C. R., Greenough, W. T., & Klintsova, A. Y. (2009). Binge-like postnatal alcohol exposure triggers cortical gliogenesis in adolescent rats. *Journal of Comparative Neurology*, 514(3), 259-271. doi.

Helfer, J. L., Goodlett, C. R., Greenough, W. T., & Klintsova, A. Y. (2009). The effects of exercise on adolescent hippocampal neurogenesis in a rat model of binge alcohol exposure during the brain growth spurt. *Brain Research*, 1294, 1-11. doi.

Hellgren, G., Han, W., Wang, X., Löfqvist, C., Hagberg, H., Mallard, C., & Hellström, A. (2011). Safety aspects of longitudinal administration of IGF-I/IGFBP-3 complex in neonatal mice. *Growth Hormone and IGF Research*. doi.

Hellier, J. L., Patrylo, P. R., Dou, P., Nett, M., Rose, G. M., & Dudek, F. E. (1999). Assessment of Inhibition and Epileptiform Activity in the Septal Dentate Gyrus of Freely Behaving Rats During the First Week After Kainate Treatment. *Journal of Neuroscience*, 19(22), 10053- 10064. doi. <http://www.jneurosci.org/cgi/content/abstract/19/22/10053>

Hellstrom, N. A. K., Bjork-Eriksson, T., Blomgren, K., & Kuhn, H. G. (2008). Differential recovery of neural stem cells in the subventricular zone and dentate gyrus after ionizing radiation. *Stem Cells*, 27(3), 634-641. doi: 10.1634/stemcells.2008-0732. <http://stemcells.alphamedpress.org/cgi/content/abstract/stemcells.2008-o..>

Hellstrom, N. A. K., Zachrisson, O., Kuhn, H. G., & Patrone, C. (2007). Rapid Quantification of Neurons and Stem/Progenitor Cells in the Adult Mouse Brain by Flow Cytometry. *Letters in Drug Design and Discovery*, 4(8), 532-539. doi:

Helseth, A., Adil, S., Linabarger, M., Arehart, E., Fainberg, N., Singh, D., . . . Mikati, M. (2016). Novel Knock-in Mouse Model of Genetic Atp1a3 Dysfunction (S52.006). *Neurology*, 86(16 Supplement), S52.006.

doi: http://www.neurology.org/content/86/16_Supplement/S52.006.short

Hendricks, S. J., Brunjes, P. C., & Hill, D. L. (2004). Taste bud cell dynamics during normal and sodium-restricted development. *Journal of Comparative Neurology*, 472(2), 173-182. doi:

Hendrikx, G., Vries, M. H., Bauwens, M., De Saint-Hubert, M., Wagenaar, A., Guillaume, J., . . . Mottaghy, F. M. (2016). Comparison of LDPI to SPECT perfusion imaging using 99mTc-sestamibi and 99mTc-pyrophosphate in a murine ischemic hind limb model of neovascularization. [journal article]. *EJNMMI Research*, 6(1), 1-10. doi: 10.1186/s13550-016-0199-2. <http://dx.doi.org/10.1186/s13550-016-0199-2>

Heneka, M. T., Gavriluk, V., Landreth, G. E., O'Banion, M. K., Weinberg, G., & Feinstein, D. L. (2003). Noradrenergic depletion increases inflammatory responses in brain: effects on I κ B and HSP70 expression. *Journal of Neurochemistry*, 85. doi: 10.1046/j.1471-4159.2003.01694.x. <http://dx.doi.org/10.1046/j.1471-4159.2003.01694.x>

Heng, M. Y., Detloff, P. J., Wang, P. L., Tsien, J. Z., & Albin, R. L. (2009). In Vivo Evidence for NMDA Receptor-Mediated Excitotoxicity in a Murine Genetic Model of Huntington Disease. *Journal of Neuroscience*, 29(10), 3200-3205. doi: 10.1523/jneurosci.5599-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/10/3200>

Heng, M. Y., Duong, D. K., Albin, R. L., Tallaksen-Greene, S. J., Hunter, J. M., Lesort, M. J., . . . Detloff, P. J. (2010). Early autophagic response in a novel knock-in model of Huntington disease. *Human Molecular Genetics*, ddq285. doi: 10.1093/hmg/ddq285. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddq285v2>

Heng, M. Y., Tallaksen-Greene, S. J., Detloff, P. J., & Albin, R. L. (2007). Longitudinal Evaluation of the Hdh(CAG)¹⁵⁰ Knock-In Murine Model of Huntington's Disease. *Journal of Neuroscience*, 27(34), 8989-8998. doi: 10.1523/jneurosci.1830-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/34/8989>

Hennis, M. R., Marvin, M. A., Taylor li, C. M., & Goldberg, M. S. (2013). Surprising behavioral and neurochemical enhancements in mice with combined mutations linked to Parkinson's disease. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.09.009>.

<http://www.sciencedirect.com/science/article/pii/S0969996113002556>

Hennis, M. R., Seamans, K. W., Marvin, M. A., Casey, B. H., & Goldberg, M. S. (2013). Behavioral and Neurotransmitter Abnormalities in Mice Deficient for Parkin, DJ-1 and Superoxide Dismutase. *Plos one*, 8(12), e84894. doi:

10.1371/journal.pone.0084894. <http://dx.doi.org/10.1371%2Fjournal.pone.0084894>

Henny, P., Brischoux, F., Mainville, L., Stroh, T., & Jones, B. E. (2010). Immunohistochemical evidence for synaptic release of glutamate from orexin terminals in the locus coeruleus. *Neuroscience*, 169(3), 1150-1157. doi.

Henny, P., Brown, M. T. C., Northrop, A., Faunes, M., & Ungless, M. A. (2012). Structural correlates of heterogeneous in vivo activity of midbrain dopaminergic neurons. *Nature Neuroscience*. doi.

Henny, P., & Jones, B. E. (2006). Innervation of orexin/hypocretin neurons by GABAergic, glutamatergic or cholinergic basal forebrain terminals evidenced by immunostaining for presynaptic vesicular transporter and postsynaptic scaffolding proteins *Journal of Comparative Neurology*, 499(4), 645-661. doi.

Henny, P., & Jones, B. E. (2006). Vesicular glutamate (VGlut), GABA (VGAT), and acetylcholine (VACht) transporters in basal forebrain axon terminals innervating the lateral hypothalamus. *Journal of Comparative Neurology*, 496(4), 453-467. doi.

Henny, P., & Jones, B. E. (2008). Projections from basal forebrain to prefrontal cortex comprise cholinergic, GABAergic and glutamatergic inputs to pyramidal cells or interneurons. *European Journal of Neuroscience*, 27(3), 654-670. doi: doi:10.1111/j.1460-9568.2008.06029.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2008.06029.x>

Henrique, E. P., de Oliveira, M. A., Paulo, D. C., Pereira, P. D. C., Dias, C., de Siqueira, L. S., . . . Diniz, C. G. (2020). Contrasting migratory journeys and changes in hippocampal astrocyte morphology in shorebirds. *European Journal of Neuroscience*, n/a(n/a). doi: 10.1111/ejn.14781. <https://onlinelibrary.wiley.com/doi/abs/10.1111/ejn.14781>

Henry, R. J., Doran, S. J., Barrett, J. P., Meadows, V. E., Sabirzhanov, B., Stoica, B. A., . . . Faden, A. I. (2018). Inhibition of miR-155 Limits Neuroinflammation and Improves Functional Recovery After Experimental Traumatic Brain Injury in Mice. [journal article]. *Neurotherapeutics*. doi: 10.1007/s13311-018-0665-9. <https://doi.org/10.1007/s13311-018-0665-9>

Hensel, N., Brickwedde, H., Tsaknakis, K., Grages, A., Braunschweig, L., Lüders, K. A., . . . Hell, A. K. (2020). Altered bone development with impaired cartilage formation precedes neuromuscular symptoms in Spinal Muscular Atrophy (SMA). *Human Molecular Genetics*. doi: 10.1093/hmg/ddaa145. <https://doi.org/10.1093/hmg/ddaa145>

Henstridge, C., Jackson, R., Kim, J., Herrmann, A., Wright, A., Harris, S., . . . Spires-Jones, T. (2015). Post-mortem brain analyses of the Lothian Birth Cohort 1936: extending lifetime cognitive and brain phenotyping to the level of the synapse. *Acta Neuropathologica Communications*, 3(1), 1-22. doi: 10.1186/s40478-015-0232-0. <http://dx.doi.org/10.1186/s40478-015-0232-0>

Henstridge, C. M., Sideris, D. I., Carroll, E., Rotariu, S., Salomonsson, S., Tzioras, M., . . . Spires-Jones, T. L. (2017). Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-017-1797-4. <https://doi.org/10.1007/s00401-017-1797-4>

Hentall, I. D., & Gonzalez, M. M. C. (2011). Promotion of Recovery From Thoracic Spinal Cord Contusion in Rats by Stimulation of Medullary Raphe or Its Midbrain Input. *Neurorehabilitation and Neural Repair*. doi.

Heras-Garvin, A., Refolo, V., Reindl, M., Wenning, G. K., & Stefanova, N. (2020). High-salt diet does not boost neuroinflammation and neurodegeneration in a model of α -synucleinopathy. *Journal of neuroinflammation*, 17(1), 35. doi: 10.1186/s12974-020-1714-y. <https://doi.org/10.1186/s12974-020-1714-y>

Héraud, C., Goufak, D., Ando, K., Leroy, K., Suain, V., Yilmaz, Z., . . . Brion, J.-P. (2013). Increased misfolding and truncation of tau in APP/PS1/tau transgenic mice compared to mutant tau mice. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.09.010>.
<http://www.sciencedirect.com/science/article/pii/S0969996113002568>

Hercher, C., Parent, M., Flores, C., Canetti, L., Turecki, G., & Mechawar, N. (2009). Alcohol dependence-related increase of glial cell density in the anterior cingulate cortex of suicide completers. *Journal of psychiatry and neuroscience: JPN*, 34(4), 281-281. doi.

Hernandez, C. M., Kaye, R., Zheng, H., Sweatt, J. D., & Dineley, K. T. (2010). Loss of $\alpha 7$ nicotinic receptors enhances β -amyloid oligomer accumulation, exacerbating early-stage cognitive decline and septohippocampal pathology in a mouse model of Alzheimer's disease. *Journal of Neuroscience*, 30(7), 2442-2453. doi.

Herrera-Soto, A., Díaz-Veliz, G., Mora, S., Muñoz, P., Henny, P., Steinbusch, H. W. M., & Segura-Aguilar, J. (2017). On the Role of DT-Diaphorase Inhibition in Aminochrome-Induced Neurotoxicity In Vivo. [journal article]. *Neurotoxicity research*, 1-7. doi: 10.1007/s12640-017-9719-8. <http://dx.doi.org/10.1007/s12640-017-9719-8>

Herrera-Vaquero, M., Bouquio, D., Kallab, M., Biggs, K., Nair, G., Ochoa, J., . . . Stefanova, N. (2019). The molecular tweezer CLR01 reduces aggregated, pathologic, and seeding-competent α -synuclein in experimental multiple system atrophy. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*. doi: <https://doi.org/10.1016/j.bbadis.2019.07.007>.
<http://www.sciencedirect.com/science/article/pii/S0925443919302303>

Herring, A., Donath, A., Steiner, K. M., Widera, M. P., Hamzehian, S., Kanakis, D., . . . Paulus, W. (2012). Reelin Depletion is an Early Phenomenon of Alzheimer's Pathology. *Journal of Alzheimer's Disease*. doi.

Herring, A., Donath, A., Yarmolenko, M., Uslar, E., Conzen, C., Kanakis, D., . . . Keyvani, K. (2011). Exercise during pregnancy mitigates Alzheimer-like pathology in mouse offspring. *Faseb Journal*. doi.

Herring, A., Münster, Y., Akkaya, T., Moghaddam, S., Deinsberger, K., Meyer, J., . . . Keyvani, K. (2016). Kallikrein-8 inhibition attenuates Alzheimer's pathology in mice. *Alzheimer's & Dementia*. doi: <http://dx.doi.org/10.1016/j.jalz.2016.05.006>.
<http://www.sciencedirect.com/science/article/pii/S1552526016302801>

Herring, A., Münster, Y., Metzdorf, J., Bolczek, B., Krüssel, S., Krieter, D., . . . Keyvani, K. (2016). Late running is not too late against Alzheimer's pathology. *Neurobiology of Disease*, 94, 44- 54. doi: <http://dx.doi.org/10.1016/j.nbd.2016.06.003>, <http://www.sciencedirect.com/science/article/pii/S096999611630136X>

Herrmann, J. E., Imura, T., Song, B., Qi, J., Ao, Y., Nguyen, T. K., . . . Sofroniew, M. V. (2008). STAT3 is a Critical Regulator of Astrogliosis and Scar Formation after Spinal Cord Injury. *Journal of Neuroscience*, 28(28), 7231-7243. doi: 10.1523/jneurosci.1709-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/28/7231>

Herzberg, U., Hama, A., & Sagen, J. (2008). Spinal subarachnoid adrenal medullary transplants reduce hind paw swelling and peripheral nerve transport following formalin injection in rats. *Brain Research*, 1198, 85-92. doi.

Herzog, C. D., Bishop, K. M., Brown, L., Wilson, A., Kordower, J. H., & Bartus, R. T. (2011). Gene transfer provides a practical means for safe, long-term, targeted delivery of biologically active neurotrophic factor proteins for neurodegenerative diseases. *Drug Delivery and Translational Research*, 1-22. doi.

Herzog, C. D., Brown, L., Gammon, D., Kruegel, B., Lin, R., Wilson, A., . . . others. (2009). Expression, bioactivity, and safety 1 year after adeno-associated viral vector type 2-mediated delivery of neurturin to the monkey nigrostriatal system support cere-120 for Parkinson's disease. *Neurosurgery*, 64(4), 602-602. doi.

Herzog, C. D., Dass, B., Gasmi, M., Bakay, R., Stansell, J. E., Tuszynski, M., . . . Bartus, R. T. (2008). Transgene Expression, Bioactivity, and Safety of CERE-120 (AAV2-Neurturin) Following Delivery to the Monkey Striatum. *Molecular Therapy*. doi. <http://dx.doi.org/10.1038/mt.2008.170>

<http://www.nature.com/mt/journal/vaop/ncurrent/suppinfo/mt2008170s1.html>

Herzog, C. D., Dass, B., Holden, J. E., Stansell Iii, J., Gasmi, M., Tuszynski, M. H., . . . Kordower, J. H. (2007). Striatal delivery of CERE-120, an AAV2 vector encoding human neurturin, enhances activity of the dopaminergic nigrostriatal system in aged monkeys. *Movement Disorders*, 22(8), 1124-1132. doi.

Hescham, S., Temel, Y., Schipper, S., Lagiere, M., Schönfeld, L.-M., Blokland, A., & Jahanshahi, A. (2016). Fornix deep brain stimulation induced long-term spatial memory independent of hippocampal neurogenesis. *Brain Structure and Function*, 1-7. doi. <http://link.springer.com/article/10.1007/s00429-016-1188-y/fulltext.html>

Heukelum, S. V., Geers, F. E., Tulva, K., van Dulm, S., Beckmann, C. F., Buitelaar, J. K., . . . Franca, A. S. C. (2021). Structural Degradation in Midcingulate Cortex Is Associated with Pathological Aggression in Mice. *Brain Sciences*, 11(7). doi: 10.3390/brainsci11070868.

Heyer, M. P., Pani, A. K., Smeyne, R. J., Kenny, P. J., & Feng, G. (2012). Normal Midbrain Dopaminergic Neuron Development and Function in miR-133b Mutant Mice. *Journal of*

Neuroscience, 32(32), 10887-10894. doi: 10.1523/jneurosci.1732-12.2012. <http://www.jneurosci.org/content/32/32/10887.abstract>

Hickey, M. A., Kosmalska, A., Enayati, J., Cohen, R., Zeitlin, S., Levine, M. S., & Chesselet, M. F. (2008). Extensive early motor and non-motor behavioral deficits are followed by striatal neuronal loss in knock-in Huntington's disease mice. *Neuroscience*, 157(1), 280-295. doi.

Hickey, M. A., Zhu, C., Medvedeva, V., Franich, N. R., Levine, M. S., & Chesselet, M. F. (2011). Evidence for behavioral benefits of early dietary supplementation with CoEnzymeQ10 in a slowly progressing mouse model of Huntington's disease. *Molecular and Cellular Neuroscience*. doi.

Hicks, A. U., Hewlett, K., Windle, V., Chernenko, G., Ploughman, M., Jolkkonen, J., . . . Corbett, D. (2007). Enriched environment enhances transplanted subventricular zone stem cell migration and functional recovery after stroke. *Neuroscience*, 146(1), 31-40. doi.

Hicks, A. U., Lappalainen, R. S., Narkilahti, S., Suuronen, R., Corbett, D., Sivenius, J., . . . Jolkkonen, J. (2009). Transplantation of human embryonic stem cell-derived neural precursor cells and enriched environment after cortical stroke in rats: cell survival and functional recovery. *European Journal of Neuroscience*, 29(3), 562-574. doi.

Hicks, A. U., MacLellan, C. L., Chernenko, G. A., & Corbett, D. (2008). Long-term assessment of enriched housing and subventricular zone derived cell transplantation after focal ischemia in rats. *Brain Research*, 1231, 103-112. doi.

Hienola, A., Tumova, S., Kuleskiy, E., & Rauvala, H. (2006). N-syndecan deficiency impairs neural migration in brain. *Journal of Cell Biology*, 174(4), 569-580. doi: 10.1083/jcb.200602043. <http://www.jcb.org/cgi/content/abstract/174/4/569>

Hildebrandt, S., Schmidt, A., Stoll, A., Schmitt, O., Köhling, R., Wree, A., . . . Pützer, B. M. (2010). Targeting of neural stem cells in the hippocampus of adult rats by custom-made Ad vectors. *Brain Structure and Function*, 1-9. doi.

Hilgetag, C. C., Medalla, M., Beul, S., & Barbas, H. (2016). The primate connectome in context: Principles of connections of the cortical visual system. *Neuroimage*. doi: <http://dx.doi.org/10.1016/j.neuroimage.2016.04.017>. <http://www.sciencedirect.com/science/article/pii/S1053811916300507>

Hill, C. E., Brodak, D. M., & Bunge, M. (2012). Dissociated predegenerated peripheral nerve transplants for spinal cord injury repair: a comprehensive assessment of their effects on regeneration and functional recovery compared to Schwann cell transplant. *Journal of Neurotrauma*, (ja). doi.

Hill, C. E., Guller, Y., Raffa, S. J., Hurtado, A., & Bunge, M. B. (2010). A calpain inhibitor enhances the survival of schwann cells in vitro and after transplantation into the injured spinal cord. *Journal of Neurotrauma*, 27(9), 1685-1695. doi.

Hill, C. E., Harrison, B. J., Rau, K. K., Hougland, M. T., Bunge, M. B., Mendell, L. M., & Petruska, J. C. (2010). Skin incision induces expression of axonal regeneration-related genes in adult rat spinal sensory neurons. *Journal of Pain*, 11(11), 1066-1073. doi.

Hill, C. E., Hurtado, A., Blits, B., Bahr, B. A., Wood, P. M., Bartlett Bunge, M., & Oudega, M. (2007). Early necrosis and apoptosis of Schwann cells transplanted into the injured rat spinal cord. *European Journal of Neuroscience*, 26(6), 1433-1445. doi: doi:10.1111/j.1460-9568.2007.05771.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05771.x>

Hill, C. E., Moon, L. D. F., Wood, P. M., & Bunge, M. B. (2006). Labeled Schwann cell transplantation: cell loss, host Schwann cell replacement, and strategies to enhance survival. *Glia*, 53(3), 338-343. doi.

Hill, J. W., Poddar, R., Thompson, J. F., Rosenberg, G. A., & Yang, Y. (2012). Intranuclear matrix metalloproteinases promote DNA damage and apoptosis induced by oxygen-glucose deprivation in neurons. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.06.019. <http://www.sciencedirect.com/science/article/pii/S0306452212006197?v=s5>

Hill, R. A., Chua, H. K., Jones, M. E. E., Simpson, E. R., & Boon, W. C. (2009). Estrogen deficiency results in apoptosis in the frontal cortex of adult female aromatase knockout mice. *Molecular and Cellular Neuroscience*, 41(1), 1-7. doi.

Hillerer, K. M., Neumann, I. D., Couillard-Despres, S., Aigner, L., & Slattery, D. A. (2014). Lactation-induced reduction in hippocampal neurogenesis is reversed by repeated stress exposure. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22258. <http://dx.doi.org/10.1002/hipo.22258>

Hillsman, K. D., Sanderson, N. S., & Crews, D. (2007). Testosterone Stimulates Mounting Behavior and Arginine Vasotocin Expression in the Brain of both Sexual and Unisexual Whiptail Lizards. *Sexual Development*, 1(1), 77-84. doi. <http://www.karger.com/DOI/10.1159/000096241>

Hindman, H. B., Swanton, J. N., Phipps, R. P., Sime, P. J., & Huxlin, K. R. (2010). Differences in the TGF- β 1-Induced Profibrotic Response of Anterior and Posterior Corneal Keratocytes In Vitro. *Investigative Ophthalmology and Visual Science*, 51(4), 1935-1942. doi.

Hirayama, S., Kawagishi, K., Yokouchi, K., Fukushima, N., Karasawa, M., & Moriizumi, T. (2013). Regenerative Capacity of Bulbar Projection Neurons During Development: A Quantitative Neuronal Analysis With Functional Correlation. *Chemical Senses*. doi: 10.1093/chemse/bjt053. <http://chemse.oxfordjournals.org/content/early/2013/11/10/chemse.bjt053....>

Hirsch, M., Knight, J., Tobita, M., Soltys, J., Panitch, H., & Mao-Draayer, Y. (2009). The effect of interferon- β on mouse neural progenitor cell survival and differentiation. *Biochemical and Biophysical Research Communications*, 388(2), 181-186. doi.

Hisasue, S., Seney, M. L., Immerman, E., & Forger, N. G. (2010). Control of cell number in the bed nucleus of the stria terminalis of mice: Role of testosterone metabolites and estrogen receptor subtypes. *Journal of Sexual Medicine*, 7(4pt1), 1401-1409. doi.

Ho, D. J., Calingasan, N. Y., Wille, E., Dumont, M., & Beal, M. F. (2010). Resveratrol protects against peripheral deficits in a mouse model of Huntington's disease. *Experimental Neurology*, 225(1), 74-84. doi.

Ho, G. J., Drego, R., Hakimian, E., & Masliah, E. (2005). Mechanisms of cell signaling and inflammation in Alzheimer's disease. *Curr Drug Targets Inflamm Allergy*, 4. doi: 10.2174/1568010053586237. <http://dx.doi.org/10.2174/1568010053586237>

Ho, J. M., Ducich, N. H., Nguyen, N.-Q. K., & Opp, M. R. (2017). Acute sleep disruption and high-fat diet-induced hypothalamic inflammation are not related to glucose tolerance in mice. *Neurobiology of Sleep and Circadian Rhythms*. doi: <https://doi.org/10.1016/j.nbscr.2017.09.003>.
<http://www.sciencedirect.com/science/article/pii/S2451994417300093>

Ho, W. L., Leung, Y., Cheng, S. S. Y., Lok, C. K. M., Ho, Y.-S., Baum, L., . . . Chang, R. C.-C. (2015). Investigating degeneration of the retina in young and aged tau P301L mice. *Life Sciences*, (0). doi: <http://dx.doi.org/10.1016/j.lfs.2014.12.019>.
<http://www.sciencedirect.com/science/article/pii/S0024320515000028>

Hoang, S., Liauw, J., Choi, M., Choi, M., Guzman, R. G., & Steinberg, G. K. (2008). Netrin-4 enhances angiogenesis and neurologic outcome after cerebral ischemia. *Journal of Cerebral Blood Flow and Metabolism*, 29(2), 385-397. doi.

Hoard, J. L., Hoover, D. B., Mabe, A. M., Blakely, R. D., Feng, N., & Paolocci, N. (2008). Cholinergic neurons of mouse intrinsic cardiac ganglia contain noradrenergic enzymes, norepinephrine transporters, and the neurotrophin receptors tropomyosin-related kinase A and p75. *Neuroscience*, 156(1), 129-142. doi.

Hoard, J. L., Hoover, D. B., & Wondergem, R. (2007). Phenotypic properties of adult mouse intrinsic cardiac neurons maintained in culture. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 293(6), C1875-1883. doi: 10.1152/ajpcell.00113.2007.
<http://ajpcell.physiology.org/cgi/content/abstract/293/6/C1875>

Hochstrasser, T., Rühling, S., Hecher, K., Fabisch, K. H., Chrzanowski, U., Brendel, M., . . . Kipp, M. (2019). Stereological Investigation of Regional Brain Volumes after Acute and Chronic Cuprizone-Induced Demyelination. *Cells*, 8(9), 1024. doi: <https://www.mdpi.com/2073-4409/8/9/1024>

Hodges, J. L., Yu, X., Gilmore, A., Bennett, H., Tjia, M., Perna, J. F., . . . Zuo, Y. (2016). Astrocytic Contributions to Synaptic and Learning Abnormalities in a Mouse Model of Fragile X Syndrome. *Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.biopsych.2016.08.036>.
<http://www.sciencedirect.com/science/article/pii/S0006322316327792>

Hodor, A., Palchykova, S., Baracchi, F., Noain, D., & Bassetti, C. L. (2014). Baclofen facilitates sleep, neuroplasticity, and recovery after stroke in rats. *Annals of Clinical and Translational Neurology*, 1(10), 765-777. doi: 10.1002/acn3.115.
<http://dx.doi.org/10.1002/acn3.115>

Hoehn, B. D., Palmer, T. D., & Steinberg, G. K. (2005). Neurogenesis in Rats After Focal Cerebral Ischemia is Enhanced by Indomethacin. *Stroke*, 36(12), 2718-2724. doi: 10.1161/01.STR.0000190020.30282.cc.
<http://stroke.ahajournals.org/cgi/content/abstract/36/12/2718>

Hoeijmakers, L., Meerhoff, G. F., de Vries, J. W., Ruigrok, S. R., Dam, A.-M. v., van Leuven, F., . . . Lucassen, P. J. (2017). The age-related slow increase in amyloid pathology in APP.V717I mice activates microglia, but does not alter hippocampal neurogenesis. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2017.09.013>.
<http://www.sciencedirect.com/science/article/pii/S0197458017303068>

Hoeijmakers, L., Ruigrok, S. R., Amelanchik, A., Ivan, D., Dam, A.-M. v., Lucassen, P. J., & Korosi, A. (2017). Early-life stress lastingly alters the neuroinflammatory response to amyloid pathology in an Alzheimer's disease mouse model. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2016.12.023>.
<http://www.sciencedirect.com/science/article/pii/S0889159116305748>

Hoffiz, Y. C., Castillo-Ruiz, A., Hall, M. A. L., Hite, T. A., Gray, J. M., Cisternas, C. D., . . . Forger, N. G. (2021). Birth elicits a conserved neuroendocrine response with implications for perinatal osmoregulation and neuronal cell death. *Scientific Reports*, 11(1), 2335. doi: 10.1038/s41598-021-81511-1. <https://doi.org/10.1038/s41598-021-81511-1>

Hoffman, A. N., Anouti, D. P., Lacagnina, M. J., Nikulina, E. M., Hammer, R. P., & Conrad, C. D. (2013). Experience-dependent effects of context and restraint stress on corticolimbic c-Fos expression. *Stress, Oja*, 1-22. doi: 10.3109/10253890.2013.804505.
<http://informahealthcare.com/doi/abs/10.3109/10253890.2013.804505>

Hoffman, A. N., Lorson, N. G., Sanabria, F., Foster Olive, M., & Conrad, C. D. (2014). Chronic stress disrupts fear extinction and enhances amygdala and hippocampal Fos expression in an animal model of post-traumatic stress disorder. *Neurobiology of Learning and Memory*, (0). doi: <http://dx.doi.org/10.1016/j.nlm.2014.01.018>.
<http://www.sciencedirect.com/science/article/pii/S1074742714000264>

Hoffmann, O., Braun, J. S., Becker, D., Halle, A., Freyer, D., Dagand, E., . . . Weber, J. R. (2007). TLR2 Mediates Neuroinflammation and Neuronal Damage. *Journal of Immunology*, 178(10), 6476-6481. doi: <http://www.jimmunol.org/cgi/content/abstract/178/10/6476>

Hoffmann, O., Mahrhofer, C., Rueter, N., Freyer, D., Bert, B., Fink, H., & Weber, J. R. (2007). Pneumococcal Cell Wall-Induced Meningitis Impairs Adult Hippocampal Neurogenesis. *Infection and Immunity*, 75, 4289-4297. doi.

Hoffmann, O., Priller, J., Prozorovski, T., Schulze-Topphoff, U., Baeva, N., Lunemann, J. D., . . . Weber, J. R. (2007). TRAIL limits excessive host immune responses in bacterial meningitis. *Journal of Clinical Investigation*, 117(7), 2004-2013. doi: 10.1172/jci30356. <http://www.jci.org/cgi/content/abstract/117/7/2004>

Hoffmann, O., Rung, O., Im, A. R., Freyer, D., Zhang, J., Held, J., . . . Dame, C. (2011). Thrombopoietin Contributes to Neuronal Damage in Experimental Bacterial Meningitis. *Infection and Immunity*, 79(2), 928-928. doi.

Hoffmann, O., Zweigner, J., Smith, S. H., Freyer, D., Mahrhofer, C., Dagand, E., . . . Weber, J. R. (2006). Interplay of Pneumococcal Hydrogen Peroxide and Host-Derived Nitric Oxide. *Infection and Immunity*, 74(9), 5058-5066. doi: 10.1128/iai.01932-05. <http://iai.asm.org/cgi/content/abstract/74/9/5058>

Höfling, C., Indrischek, H., Höpcke, T., Waniek, A., Cynis, H., Koch, B., . . . Hartlage-Rübsamen, M. (2014). Mouse strain and brain region-specific expression of the glutaminy cyclases QC and isoQC. *International Journal of Developmental Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.ijdevneu.2014.05.008>. <http://www.sciencedirect.com/science/article/pii/S0736574814000781>

Hofmann, P. G., Báez Saldaña, A., Fortoul Van Der Goes, T., González del Pliego, M., & Gutiérrez Ospina, G. (2012). Neuroendocrine cells are present in the domestic fowl ovary. *Journal of Anatomy*, n/a-n/a. doi: 10.1111/joa.12002. <http://dx.doi.org/10.1111/joa.12002>

Höistad, M., & Barbas, H. (2008). Sequence of information processing for emotions through pathways linking temporal and insular cortices with the amygdala. *Neuroimage*, 40(3), 1016- 1033. doi.

Höistad, M., Heinsen, H., Wicinski, B., Schmitz, C., & Hof, P. R. (2012). Stereological assessment of the dorsal anterior cingulate cortex in schizophrenia: absence of changes in neuronal and glial densities. *Neuropathology and Applied Neurobiology*, no-no. doi: 10.1111/j.1365-2990.2012.01296.x. <http://dx.doi.org/10.1111/j.1365-2990.2012.01296.x>

Holahan, M. R., Smith, C. A., Luu, B. E., & Storey, K. B. (2018). Preadolescent phthalate (DEHP) exposure is associated with elevated locomotor activity and reward-related behavior and a reduced number of tyrosine hydroxylase positive neurons in post-adolescent male and female rats. *Toxicological Sciences*, kfy171-kfy171. doi: 10.1093/toxsci/kfy171. <http://dx.doi.org/10.1093/toxsci/kfy171>

Holder, M. K., & Blaustein, J. D. (2017). Developmental time course and effects of immunostressors that alter hormone-responsive behavior on microglia in the peripubertal and adult female mouse brain. *Plos one*, 12(2), e0171381. doi: 10.1371/journal.pone.0171381. <http://dx.doi.org/10.1371%2Fjournal.pone.0171381>

Hollands, C., Tobin, M. K., Hsu, M., Musaraca, K., Yu, T.-S., Mishra, R., . . . Lazarov, O. (2017). Depletion of adult neurogenesis exacerbates cognitive deficits in Alzheimer's disease by compromising hippocampal inhibition. [journal article]. *Molecular Neurodegeneration*, 12(1), 64. doi: 10.1186/s13024-017-0207-7. <https://doi.org/10.1186/s13024-017-0207-7>

Holleran, L., Kim, J. H., Gangolli, M., Stein, T., Alvarez, V., McKee, A., & Brody, D. L. (2017). Axonal disruption in white matter underlying cortical sulcus tau pathology in chronic traumatic encephalopathy. [Journal article]. *Acta Neuropathologica*, 133(3), 367-380. doi: 10.1007/s00401-017-1686-x. <http://dx.doi.org/10.1007/s00401-017-1686-x>

Höllerhage, M., Deck, R., De Andrade, A., Respondek, G., Xu, H., Rösler, T. W., . . . Höglinger, G. U. (2014). Piericidin A Aggravates Tau Pathology in P301S Transgenic Mice. *Plos one*, 9(12), e113557. doi: 10.1371/journal.pone.0113557. <http://dx.doi.org/10.1371%2Fjournal.pone.0113557>

Höllerhage, M., Moebius, C., Melms, J., Chiu, W.-H., Goebel, J. N., Chakroun, T., . . . Höglinger, G. U. (2017). Protective efficacy of phosphodiesterase-1 inhibition against alpha-synuclein toxicity revealed by compound screening in LUHMES cells. *Scientific Reports*, 7, 11469. doi: 10.1038/s41598-017-11664-5. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5597612/>

Hollis, E. R., Kadoya, K., Hirsch, M., Samulski, R. J., & Tuszynski, M. H. (2007). Efficient Retrograde Neuronal Transduction Utilizing Self-complementary AAV1. *Molecular Therapy*, doi:10.1038/sj.mt.6300367(2), 296-301. doi:

Hollis li, E. R., Ishiko, N., Pessian, M., Tolentino, K., Lee-Kubli, C. A., Calcutt, N. A., & Zou, Y. (2015). Remodelling of spared proprioceptive circuit involving a small number of neurons supports functional recovery. [Article]. *Nat Commun*, 6. doi: 10.1038/ncomms7079. <http://dx.doi.org/10.1038/ncomms7079>

Hollis li, E. R., Ishiko, N., Yu, T., Lu, C.-C., Haimovich, A., Tolentino, K., . . . Zou, Y. (2016). Ryk controls remapping of motor cortex during functional recovery after spinal cord injury. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4282

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4282.html#suppl>
.....<http://dx.doi.org/10.1038/nn.4282>

Hollis li, E. R., Lu, P., Blesch, A., & Tuszynski, M. H. (2009). IGF-I gene delivery promotes corticospinal neuronal survival but not regeneration after adult CNS injury. *Experimental Neurology*, 215(1), 53-59. doi:

Holmes, G. L., Tian, C., Hernan, A. E., Flynn, S., Camp, D., & Barry, J. (2015). Alterations in sociability and functional brain connectivity caused by early-life seizures are reversed by bumetanide. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.02.015>. <http://www.sciencedirect.com/science/article/pii/S096999611500042X>

Holmes, M. M., Goldman, B. D., & Forger, N. G. (2008). Social status and sex independently influence androgen receptor expression in the eusocial naked mole-rat brain. *Hormones and Behavior*, 54(2), 278-285. doi:

Holmes, M. M., McCutcheon, J., & Forger, N. G. (2009). Sex differences in NeuN-and androgen receptor-positive cells in the bed nucleus of the stria terminalis are due to Bax- dependent cell death. *Neuroscience*, 158(4), 1251-1256. doi:

Holmes, M. M., Rosen, G. J., Jordan, C. L., de Vries, G. J., Goldman, B. D., & Forger, N. G. (2007). Social control of brain morphology in a eusocial mammal. *Proceedings of the National Academy of Sciences*, 104(25), 10548-10552. doi: 10.1073/Proceedings of the National Academy of Sciences.0610344104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/25/10548>

Holmes, M. M., Seney, M. L., Goldman, B. D., & Forger, N. G. (2011). Social and hormonal triggers of neural plasticity in naked mole-rats. *Behavioural Brain Research*, 218(1), 234-239. doi.

Holmes, M. M., & Wade, J. (2005). Testosterone Regulates Androgen Receptor Immunoreactivity in the Copulatory, but not Courtship, Neuromuscular System in Adult Male Green Anoles. *Journal of Neuroendocrinology*, 17(9), 560-569. doi: doi:10.1111/j.1365-2826.2005.01339.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2826.2005.01339.x>

Holthaus, S.-M. k., Herranz-Martin, S., Massaro, G., Aristorena, M., Hoke, J., Hughes, M. P., ... Ali, R. R. (2019). Neonatal brain-directed gene therapy rescues a mouse model of neurodegenerative CLN6 Batten disease. *Human Molecular Genetics*. doi: 10.1093/hmg/ddz210. <https://doi.org/10.1093/hmg/ddz210>

Holtman, L., van Vliet, E. A., Appeldoorn, C., Gaillard, P. J., de Boer, M., Dorland, R., ... Gorter, J. A. (2014). Glutathione pegylated liposomal methylprednisolone administration after the early phase of status epilepticus did not modify epileptogenesis in the rat. *Epilepsy Research*, (0). doi: <http://dx.doi.org/10.1016/j.eplepsyres.2014.01.010>. <http://www.sciencedirect.com/science/article/pii/S0920121114000230>

Holtman, L., van Vliet, E. A., Baas, F., Aronica, E., & Gorter, J. A. (2011). Complement protein 6 deficiency in PVG/c rats does not lead to neuroprotection against seizure induced cell death. *Neuroscience*. doi.

Holtman, L., van Vliet, E. A., Edelbroek, P. M., Aronica, E., & Gorter, J. A. (2010). Cox-2 inhibition can lead to adverse effects in a rat model for temporal lobe epilepsy. *Epilepsy Research*, 91(1), 49-56. doi.

Holzbaur, E. L. F., Howland, D. S., Weber, N., Wallace, K., She, Y., Kwak, S., ... others. (2006). Myostatin inhibition slows muscle atrophy in rodent models of amyotrophic lateral sclerosis. *Neurobiology of Disease*, 23(3), 697-707. doi.

Hong, J., Sha, S., Zhou, L., Wang, C., Yin, J., & Chen, L. (2015). Sigma-1 receptor deficiency reduces MPTP-induced parkinsonism and death of dopaminergic neurons. [Original Article]. *Cell Death Dis*, 6, e1832. doi: 10.1038/cddis.2015.194. <http://dx.doi.org/10.1038/cddis.2015.194>

Hong, J., Wang, L., Zhang, T., Zhang, B., & Chen, L. (2017). Sigma-1 receptor knockout increases α -synuclein aggregation and phosphorylation with loss of dopaminergic neurons in substantia nigra. *Neurobiology of Aging*.

doi: <https://doi.org/10.1016/j.neurobiolaging.2017.08.007>.
<http://www.sciencedirect.com/science/article/pii/S0197458017302622>

Hong, M., & Lee, V. M. (1997). Insulin and insulin-like growth factor-1 regulate tau phosphorylation in cultured human neurons. *Journal of Biological Chemistry*, 272. doi: 10.1074/jbc.272.31.19547. <http://dx.doi.org/10.1074/jbc.272.31.19547>

Hong, S., Washington, P., Kim, A., Yang, C.-P., Yu, T.-S., & Kernie, S. G. (2015). ApoE Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3860. <http://dx.doi.org/10.1089/neu.2014.3860>

Hong, S. M., Cha, C. I., & Park, B. R. (2009). Changes in calbindin expression within the flocculus after unilateral labyrinthectomy in rats. *Neuroscience Letters*, 460(1), 52-55. doi.

Hong, S. M., Chung, S. Y., Park, M. S., Huh, Y. B., & Yeo, S. G. (2009). Immunoreactivity of Calcium-Binding Proteins in the Central Auditory Nervous System of Aged Rats. *Journal of Korean Neurosurgical Society*, 45(4), 231-231. doi.

Hong, S. M., Liu, Z., Fan, Y., Neumann, M., Won, S. J., Lac, D., . . . Liu, J. (2007). Reduced hippocampal neurogenesis and skill reaching performance in adult Emx1 mutant mice. *Experimental Neurology*, 206(1), 24-32. doi.

Hongo, N., Takamura, Y., Nishimaru, H., Matsumoto, J., Tobe, K., Saito, T., . . . Nishijo, H. (2020). Astaxanthin Ameliorated Parvalbumin-Positive Neuron Deficits and Alzheimer's Disease- Related Pathological Progression in the Hippocampus of AppNL-G-F/NL-G-F Mice. [Original Research]. *Frontiers in Pharmacology*, 11(307). doi: 10.3389/fphar.2020.00307. <https://www.frontiersin.org/article/10.3389/fphar.2020.00307>

Hood, K. N., Zhao, J., Redell, J. B., Hylin, M. J., Harris, B., Perez, A., . . . Dash, P. K. (2018). Endoplasmic reticulum stress contributes to the loss of newborn hippocampal neurons after traumatic brain injury. [10.1523/JNEUROSCI.1756-17.2018]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2018/01/31/JNEUROSCI.1756-17.2018>..

Hood, R. L., Andriani, R. T., Emch, S., Robertson, J. L., Rylander, C. G., & Rossmesl, J. H. (2013). Fiberoptic microneedle device facilitates volumetric infusate dispersion during convection- enhanced delivery in the brain. *Lasers in Surgery and Medicine*, n/a-n/a. doi: 10.1002/lsm.22156. <http://dx.doi.org/10.1002/lsm.22156>

Hood, R. L., Liguore, W. A., Moore, C., Pflibsen, L., & Meshul, C. K. (2016). Exercise intervention increases spontaneous locomotion but fails to attenuate dopaminergic system loss in a progressive MPTP model in aged mice. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2016.06.032>.
<http://www.sciencedirect.com/science/article/pii/S0006899316304565>

Hooijmans, C. R., Graven, C., Dederen, P. J., Tanila, H., van Groen, T., & Kiliaan, A. J. (2007). Amyloid beta deposition is related to decreased glucose transporter-1 levels and hippocampal atrophy in brains of aged APP/PS1 mice. *Brain Research*, 1181, 93-103. doi.

Hooijmans, C. R., Rutters, F., Dederen, P. J., Gambarota, G., Veltien, A., Van Groen, T., . . . others. (2007). Changes in cerebral blood volume and amyloid pathology in aged Alzheimer APP/PS1 mice on a docosahexaenoic acid (DHA) diet or cholesterol enriched Typical Western Diet (TWD). *Neurobiology of Disease*, 28(1), 16-29. doi.

Hooijmans, C. R., Van der Zee, C., Dederen, P. J., Brouwer, K. M., Reijmer, Y. D., Van Groen, T., . . . Kiliaan, A. J. (2009). DHA and cholesterol containing diets influence Alzheimer-like pathology, cognition and cerebral vasculature in APP^{swe}/PS1^{dE9} mice. *Neurobiology of Disease*, 33(3), 482-498. doi.

Hook, G., Yu, J., Sipes, N., Pierschbacher, M., Hook, V., & Kindy, M. S. (2013). The Cysteine Protease Cathepsin B is a Key Drug Target and Cysteine Protease Inhibitors are Potential Therapeutics for Traumatic Brain Injury. *Journal of Neurotrauma*, (ja).

doi. <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.2944>

Hook, M., Woller, S., Bancroft, E., Aceves, M., Funk, M. K., Hartman, J., & Garraway, S. M. (2016). Neurobiological effects of Morphine following Spinal Cord Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2016.4507. <http://dx.doi.org/10.1089/neu.2016.4507>

Hooshmand, M. J., Sontag, C. J., Uchida, N., Tamaki, S., Anderson, A. J., & Cummings, B. J. (2009). Analysis of host-mediated repair mechanisms after human CNS-stem cell transplantation for spinal cord injury: correlation of engraftment with recovery. *PLoS ONE*, 4(6), e5871-e5871. doi.

Hoover, D. B., Shepherd, A. V., Southerland, E. M., Armour, J. A., & Ardell, J. L. (2008). Neurochemical diversity of afferent neurons that transduce sensory signals from dog ventricular myocardium. *Autonomic Neuroscience*, 141(1-2), 38-45. doi.

Horie, N., Pereira, M. P., Niizuma, K., Sun, G., Keren-Gill, H., Encarnacion, A., . . . Steinberg, G. K. (2011). Transplanted Stem Cell-Secreted Vascular Endothelial Growth Factor Effects Poststroke Recovery, Inflammation, and Vascular Repair. *Stem Cells*, 29(2), 274-285. doi: 10.1002/stem.584. <http://dx.doi.org/10.1002/stem.584>

Horky, L. L., Galimi, F., Gage, F. H., & Horner, P. J. (2006). Fate of endogenous stem/progenitor cells following spinal cord injury. *Journal of Comparative Neurology*, 498(4), 525-538. doi.

Hormigo, S., López, D. E., Cardoso, A., Zapata, G., Sepúlveda, J., & Castellano, O. (2018). Direct and indirect nigrofugal projections to the nucleus reticularis pontis caudalis mediate in the motor execution of the acoustic startle reflex. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1654-9. <https://doi.org/10.1007/s00429-018-1654-9>

Horne, M. K., Lee, J., Chen, F., Lanning, K., Tomas, D., & Lawrence, A. J. (2008). Long-term administration of cocaine or serotonin reuptake inhibitors results in anatomical and neurochemical changes in noradrenergic, dopaminergic, and serotonin pathways. *Journal of Neurochemistry*, 106(4), 1731-1744. doi.

Horner, P. J., Power, A. E., Kempermann, G., Kuhn, H. G., Palmer, T. D., Winkler, J., . . . Gage, F. H. (2000). Proliferation and Differentiation of Progenitor Cells Throughout the Intact Adult

Rat Spinal Cord. *Journal of Neuroscience*, 20(6), 2218-2228.
doi: <http://www.jneurosci.org/cgi/content/abstract/20/6/2218>

Hornfeld, S. H., Terkel, J., & Barnea, A. (2010). Neurons recruited in the nidopallium caudale, following changes in social environment, derive from the same original population. *Behavioural Brain Research*, 208(2), 643-645. doi.

Horowitz, P. M., Patterson, K. R., Guillozet-Bongaarts, A. L., Reynolds, M. R., Carroll, C. A., Weintraub, S. T., ... Binder, L. I. (2004). Early N-Terminal Changes and Caspase-6 Cleavage of Tau in Alzheimer's Disease. *Journal of Neuroscience*, 24(36), 7895-7902.
doi: <http://www.jneurosci.org/cgi/content/abstract/24/36/7895>

Horvath, J., Burkhard, P. R., Herrmann, F. R., Bouras, C., & Kövari, E. (2013). Neuropathology of Parkinsonism in Patients with Pure Alzheimer's Disease. *Journal of Alzheimer's Disease*. doi: 10.3233/jad-131289. <http://dx.doi.org/10.3233/JAD-131289>

Horvath, T. L., Erion, D. M., Elsworth, J. D., Roth, R. H., Shulman, G. I., & Andrews, Z. B. (2011). GPA protects the nigrostriatal dopamine system by enhancing mitochondrial function. *Neurobiology of Disease*. doi.

Hosp, J. A., Pekanovic, A., Rioult-Pedotti, M. S., & Luft, A. R. (2011). Dopaminergic Projections from Midbrain to Primary Motor Cortex Mediate Motor Skill Learning. *Journal of Neuroscience*, 31(7), 2481-2487. doi: 10.1523/jneurosci.5411-10.2011. <http://www.jneurosci.org/content/31/7/2481.abstract>

Hossaini, M., Cano, S. C., van Dis, V., Haasdijk, E. D., Hoogenraad, C. C., Holstege, J. C., & Jaarsma, D. (2011). Spinal Inhibitory Interneuron Pathology Follows Motor Neuron Degeneration Independent of Glial Mutant Superoxide Dismutase 1 Expression in SOD1-ALS Mice. *Journal of Neuropathology and Experimental Neurology*, 70(8), 662-662. doi.

Hota, K. B., Hota, S. K., Chaurasia, O. P., & Singh, S. B. (2011). Acetyl-L-carnitine-mediated neuroprotection during hypoxia is attributed to ERK1/2-Nrf2-regulated mitochondrial biosynthesis. *Hippocampus*. doi.

Hota, K. B., Hota, S. K., Srivastava, R. B., & Singh, S. B. (2012). Neuroglobin regulates hypoxic response of neuronal cells through Hif-1 α - and Nrf2-mediated mechanism. *Journal of Cerebral Blood Flow and Metabolism*.
doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/supinfo/jcbfm201221s1>
..... <http://dx.doi.org/10.1038/jcbfm.2012.21>

Hota, S. K., Barhwal, K., Baitharu, I., Prasad, D., Singh, S. B., & Ilavazhagan, G. (2009). Bacopa monniera leaf extract ameliorates hypobaric hypoxia induced spatial memory impairment. *Neurobiology of Disease*, 34(1), 23-39. doi.

Hota, S. K., Barhwal, K., Singh, S. B., & Ilavazhagan, G. (2008). Chronic hypobaric hypoxia induced apoptosis in CA1 region of hippocampus: A possible role of NMDAR mediated p75^{NTR} upregulation. *Experimental Neurology*, 212(1), 5-13. doi.

Hota, S. K., Barhwal, K., Singh, S. B., Sairam, M., & Ilavazhagan, G. (2008). NR1 and GluR2 expression mediates excitotoxicity in chronic hypobaric hypoxia. *Journal of Neuroscience Research*, 86(5), 1142-1152. doi.

Hota, S. K., Hota, K. B., Prasad, D., Ilavazhagan, G., & Singh, S. B. (2010). Oxidative-stress-induced alterations in Sp factors mediate transcriptional regulation of the NR1 subunit in hippocampus during hypoxia. *Free Radical Biology and Medicine*, 49(2), 178-191. doi.

Hou, S.-W., Wang, Y.-Q., Xu, M., Shen, D.-H., Wang, J.-J., Huang, F., . . . Sun, F.-Y. (2008). Functional Integration of Newly Generated Neurons Into Striatum After Cerebral Ischemia in the Adult Rat Brain. *Stroke*, 39(10), 2837-2844. doi: 10.1161/strokeaha.107.510982.
http://stroke.ahajournals.org/cgi/content/abstract/STROKE_AHA.107.510982v1

Houben, S., Leroy, K., Ando, K., Yilmaz, Z., Widomski, C., Buée, L., & Brion, J.-P. (2019). Genetic ablation of tau in postnatal neurons rescues decreased adult hippocampal neurogenesis in a tauopathy model. *Neurobiology of Disease*, 127, 131-141. doi: <https://doi.org/10.1016/j.nbd.2019.02.021>.
<http://www.sciencedirect.com/science/article/pii/S0969996119300518>

Hough, L. H., Hill, K., Staudt, L., Grubb, C., & Green, A. (2019). Stereological Investigation of the Rat Ventral Thalamic Nuclei Following Developmental Hyperserotonemia. *Neuroscience*, 411, 202-210. doi: <https://doi.org/10.1016/j.neuroscience.2019.05.054>.
<http://www.sciencedirect.com/science/article/pii/S0306452219303847>

Hough, L. H., & Segal, S. (2016). Effects of Developmental Hyperserotonemia on the Morphology of Rat Dentate Nuclear Neurons. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.02.021>.
<http://www.sciencedirect.com/science/article/pii/S0306452216001445>

House, P. K., Vyas, A., & Sapolsky, R. (2011). Predator Cat Odors Activate Sexual Arousal Pathways in Brains of *Toxoplasma gondii* Infected Rats. *PLoS ONE*, 6(8), e23277-e23277. doi.

Houtman, J., Freitag, K., Gimber, N., Schmoranzner, J., Heppner, F. L., & Jendrach, M. (2019). Beclin1-driven autophagy modulates the inflammatory response of microglia via NLRP3. *The EMBO journal*, e99430. doi. <http://emboj.embopress.org/content/early/2019/01/07/emboj.201899430.export>

Hovakimyan, M., Müller, J., Wree, A., Ortinau, S., Rolfs, A., & Schmitt, O. (2012). Survival of transplanted human neural stem cell line (ReNcell VM) into the rat brain with and without immunosuppression. *Annals of Anatomy-Anatomischer Anzeiger*. doi.

Howell, D. M., Morgan, W. J., Jarjour, A. A., Spirou, G. A., & Berebi, A. S. (2007). Molecular Guidance Cues Necessary for Axon Pathfinding from the Ventral Cochlear Nucleus. *Journal of Comparative Neurology*, 504(5), 533-549. doi.

Howell, O. W., Doyle, K., Goodman, J. H., Scharfman, H. E., Herzog, H., Pringle, A., . . . Gray, W. P. (2005). Neuropeptide Y stimulates neuronal precursor proliferation in the post-natal and adult dentate gyrus. *Journal of Neurochemistry*, 93(3), 560-570. doi:

Hoxha, E., Marcinnò, A., Montarolo, F., Masante, L., Balbo, I., Ravera, F., . . . Tempia, F. (2019). Emerging roles of Fgf14 in behavioral control. *Behavioural Brain Research*, 356, 257-265. doi: <https://doi.org/10.1016/j.bbr.2018.08.034>.
<http://www.sciencedirect.com/science/article/pii/S0166432818305114>

Hruska, M., Keefe, J., Wert, D., Tekinay, A. B., Hulce, J. J., Ibanez-Tallon, I., & Nishi, R. (2009). Prostate Stem Cell Antigen Is an Endogenous lynx1-Like Prototoxin That Antagonizes $\alpha 7$ -Containing Nicotinic Receptors and Prevents Programmed Cell Death of Parasympathetic Neurons. *Journal of Neuroscience*, 29(47), 14847-14854. doi: 10.1523/jneurosci.2271-09.2009.
<http://www.jneurosci.org/cgi/content/abstract/29/47/14847>

Hruska, M., & Nishi, R. (2007). Cell-Autonomous Inhibition of $\alpha 7$ -Containing Nicotinic Acetylcholine Receptors Prevents Death of Parasympathetic Neurons during Development. *Journal of Neuroscience*, 27(43), 11501-11509. doi: 10.1523/jneurosci.3057-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/43/11501>

Hsieh, C. L., Niemi, E. C., Wang, S. H., Lee, C. C., Bingham, D., Zhang, J., . . . Liu, J. (2014). CCR2 deficiency impairs macrophage infiltration and improves cognitive function after traumatic brain injury. *Journal of Neurotrauma*, (ja). doi: <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3252>

Hsieh, J., Aimone, J. B., Kaspar, B. K., Kuwabara, T., Nakashima, K., & Gage, F. H. (2004). IGF-I instructs multipotent adult neural progenitor cells to become oligodendrocytes. *Journal of Cell Biology*, 164(1), 111-122. doi: 10.1083/jcb.200308101. <http://www.jcb.org/cgi/content/abstract/164/1/111>

Hsieh, J., Nakashima, K., Kuwabara, T., Mejia, E., & Gage, F. H. (2004). Histone deacetylase inhibition-mediated neuronal differentiation of multipotent adult neural progenitor cells. *Proceedings of the National Academy of Sciences*, 101(47), 16659-16664. doi: <http://www.Proceedings> of the National Academy of Sciences.org/cgi/content/abstract/101/47/16659

Hu, F., a Dzaye, O. D., Hahn, A., Yu, Y., Scavetta, R. J., Dittmar, G., . . . Kettenmann, H. (2014). Glioma-derived versican promotes tumor expansion via glioma-associated microglial/macrophages Toll-like receptor 2 signaling. *Neuro-oncology*. doi: 10.1093/neuonc/hou324. <http://neuro-oncology.oxfordjournals.org/content/early/2014/11/28/neuonc...>

Hu, J., Lu, J. Y., Wong, A., Hynan, L. S., Birnbaum, S. G., Yilmaz, D. S., . . . Cooper, J. D. (2012). Intravenous high-dose enzyme replacement therapy with recombinant palmitoyl-protein thioesterase reduces visceral lysosomal storage and modestly prolongs survival in a preclinical mouse model of infantile neuronal ceroid lipofuscinosis. *Molecular Genetics and Metabolism*. doi:

Hu, K., Huang, Q., Liu, C., Li, Y., Liu, Y., Wang, H., . . . Ma, S. (2018). c-Jun/Bim Upregulation in Dopaminergic Neurons Promotes Neurodegeneration in the MPTP Mouse Model of Parkinson's Disease. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.12.026>. <http://www.sciencedirect.com/science/article/pii/S030645221830842X>

Hu, P., Oomen, C., van Dam, A.-M., Wester, J., Zhou, J.-N., Joëls, M., & Lucassen, P. J. (2012). A Single-Day Treatment with Mifepristone Is Sufficient to Normalize Chronic Glucocorticoid Induced Suppression of Hippocampal Cell Proliferation. *Plos one*, 7(9), e46224. doi: 10.1371/journal.pone.0046224. <http://dx.doi.org/10.1371%2Fjournal.pone.0046224>

Hu, P., Wang, Y., Liu, J., Meng, F.-T., Qi, X.-R., Chen, L., . . . Zhou, J.-N. (2016). Chronic retinoic acid treatment suppresses adult hippocampal neurogenesis, in close correlation with depressive-like behavior. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22574. <http://dx.doi.org/10.1002/hipo.22574>

Hu, Y. S., Xu, P., Pigino, G., Brady, S. T., Larson, J., & Lazarov, O. (2010). Complex environment experience rescues impaired neurogenesis, enhances synaptic plasticity, and attenuates neuropathology in familial Alzheimer's disease-linked APP^{swe}/PS1^{ΔE9} mice. *FASEB Journal*, 24(6), 1667-1681. doi: 10.1096/faseb.201003001

Hu, Z.-L., Sun, T., Lu, M., Ding, J.-H., Du, R.-H., & Hu, G. (2019). Kir6.1/K-ATP channel on astrocytes protects against dopaminergic neurodegeneration in the MPTP mouse model of Parkinson's disease via promoting mitophagy. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2019.07.009>. <http://www.sciencedirect.com/science/article/pii/S0889159119305008>

Hua, J., Zhang, Z., Zhang, L., Sun, Y., & Yuan, Y. (2021). UCP-2 inhibitor enhanced the efficacy of trastuzumab against HER2 positive breast cancer cells. *Cancer Chemotherapy and Pharmacology*. doi: 10.1007/s00280-021-04303-4. <https://doi.org/10.1007/s00280-021-04303-4>

Hua, K., Schindler, M. K., McQuail, J. A., Forbes, M. E., & Riddle, D. R. (2012). Regionally Distinct Responses of Microglia and Glial Progenitor Cells to Whole Brain Irradiation in Adult and Aging Rats. *Plos one*, 7(12), e52728. doi: 10.1371/journal.pone.0052728. <http://dx.doi.org/10.1371%2Fjournal.pone.0052728>

Huang, C.-W., Chen, Y.-W., Lin, Y.-R., Chen, P.-H., Chou, M.-H., Lee, L.-J., . . . Chen, S.-L. (2016). Conditional Knockout of Breast Carcinoma Amplified Sequence 2 (BCAS2) in Mouse Forebrain Causes Dendritic Malformation via β -catenin. [Article]. *Scientific Reports*, 6, 34927. doi: 10.1038/srep34927

<http://www.nature.com/articles/srep34927#supplementary-information>. <http://dx.doi.org/10.1038/srep34927>

Huang, D., Wang, Z., Tong, J., Wang, M., Wang, J., Xu, J., . . . Huang, F. (2017). Long-term Changes in the Nigrostriatal Pathway in the MPTP Mouse Model of Parkinson's Disease. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2017.11.041>.
<https://www.sciencedirect.com/science/article/pii/S0306452217308448>

Huang, J., Chen, J., Wang, W., Koshimizu, Y., Wei, Y. Y., Kaneko, T., . . . Wu, S. X. (2010). Neurochemical properties of enkephalinergic neurons in lumbar spinal dorsal horn revealed by preproenkephalin-green fluorescent protein transgenic mice. *Journal of Neurochemistry*, 113(6), 1555-1564. doi.

Huang, J., Jing, S., Chen, X., Bao, X., Du, Z., Li, H., . . . Fan, X. (2015). Propofol Administration During Early Postnatal Life Suppresses Hippocampal Neurogenesis. *Molecular Neurobiology*, 1-14. doi: 10.1007/s12035-014-9052-7.
<http://dx.doi.org/10.1007/s12035-014-9052-7>

Huang, Q., Du, X., He, X., Yu, Q., Hu, K., Breitwieser, W., . . . Li, M. (2015). JNK-mediated activation of ATF2 contributes to dopaminergic neurodegeneration in the MPTP mouse model of Parkinson's disease. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2015.10.010>.
<http://www.sciencedirect.com/science/article/pii/S0014488615301114>

Huang, T., & Krimm, R. F. (2014). BDNF and NT4 play interchangeable roles in gustatory development. *Developmental Biology*, (0). doi: <http://dx.doi.org/10.1016/j.ydbio.2013.12.031>.
<http://www.sciencedirect.com/science/article/pii/S0012160613006933>

Huang, W., Begum, R., Barber, T., Ibba, V., Tee, N. C. H., Hussain, M., . . . others. (2011). Regenerative potential of silk conduits in repair of peripheral nerve injury in adult rats. *Biomaterials*. doi.

Huberfeld, G., Wittner, L., Clemenceau, S., Baulac, M., Kaila, K., Miles, R., & Rivera, C. (2007). Perturbed Chloride Homeostasis and GABAergic Signaling in Human Temporal Lobe Epilepsy. *Journal of Neuroscience*, 27(37), 9866-9873. doi: 10.1523/jneurosci.2761-07.2007.
<http://www.jneurosci.org/cgi/content/abstract/27/37/9866>

Huebner, S. M., Tran, T. D., Rufer, E. S., Crump, P. M., & Smith, S. M. (2015). Maternal Iron Deficiency Worsens the Associative Learning Deficits and Hippocampal and Cerebellar Losses in a Rat Model of Fetal Alcohol Spectrum Disorders. *Alcoholism: Clinical and Experimental Research*, n/a-n/a. doi: 10.1111/acer.12876. <http://dx.doi.org/10.1111/acer.12876>

Huguenard, A. L., Fernando, S. M., Monks, D. A., & Sengelaub, D. R. (2011). Overexpression of androgen receptors in target musculature confers androgen sensitivity to motoneuron dendrites. *Endocrinology*, 152(2), 639-650. doi.

Huh, Y., Ju, M. S., Park, H., Han, S., Bang, Y. M., Ferris, C. F., . . . others. (2010). Clavulanic acid protects neurons in pharmacological models of neurodegenerative diseases. *Drug Development Research*, 71(6), 351-357. doi.

Hühner, L., Rilka, J., Gilsbach, R., Zhou, X., Machado, V., & Spittau, B. (2017). Interleukin-4 Protects Dopaminergic Neurons In vitro but Is Dispensable for MPTP-Induced

Neurodegeneration In vivo. [Original Research]. *Frontiers in Molecular Neuroscience*, 10(62). doi: 10.3389/fnmol.2017.00062. <http://journal.frontiersin.org/article/10.3389/fnmol.2017.00062>

Huie, J. R., Garraway, S. M., Baumbauer, K. M., Hoy, K. C., Beas, B. S., Montgomery, K. S., . . . Grau, J. W. (2011). Brain-derived neurotrophic factor (BDNF) promotes adaptive plasticity within the spinal cord and mediates the beneficial effects of controllable stimulation. *Neuroscience*. doi.

Huisman, E., Uylings, H., & Hoogland, P. V. (2004). A 100% increase of dopaminergic cells in the olfactory bulb may explain hyposmia in Parkinson's disease. *Movement Disorders*, 19(6), 687-692. doi.

Huisman, E., Uylings, H., & Hoogland, P. V. (2008). Gender-related changes in increase of dopaminergic neurons in the olfactory bulb of Parkinson's disease patients. *Movement Disorders*, 23(10), 1407-1413. doi.

Humann, J., Mann, B., Gao, G., Moresco, P., Ramahi, J., Loh, Lip N., . . . Tuomanen, Elaine I. (2016). Bacterial Peptidoglycan Transverses the Placenta to Induce Fetal Neuroproliferation and Aberrant Postnatal Behavior. *Cell Host & Microbe*, 19(3), 388-399. doi: <http://dx.doi.org/10.1016/j.chom.2016.02.009>. <http://www.sciencedirect.com/science/article/pii/S1931312816300506>

Hunanyan, A. S., Alessi, V., Patel, S., Pearse, D. D., Matthews, G., & Arvanian, V. L. (2011). Alterations of action potentials and the localization of Nav1.6 sodium channels in spared axons after hemisection injury of the spinal cord in adult rats. *Journal of Neurophysiology*, 105(3), 1033-1044. doi: 10.1152/jn.00810.2010. <http://jn.physiology.org/content/105/3/1033.abstract>

Hundal, R. S., Krssak, M., Dufour, S., Laurent, D., Lebon, V., & Chandramouli, V. (2000). Mechanism by which metformin reduces glucose production in type 2 diabetes. *Diabetes*, 49. doi: 10.2337/diabetes.49.12.2063. <http://dx.doi.org/10.2337/diabetes.49.12.2063>

Hundeshagen, G., Szameit, K., Thieme, H., Finkensieper, M., Angelov, D. N., Guntinas-Lichius, O., & Irintchev, A. (2013). Deficient functional recovery after facial nerve crush in rats is associated with restricted rearrangements of synaptic terminals in the facial nucleus. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.06.019>. <http://www.sciencedirect.com/science/article/pii/S0306452213005241>

Hunter, C. L., Bachman, D., & Granholm, A. C. (2004). Minocycline prevents cholinergic loss in a mouse model of Down's syndrome. *Annals of Neurology*, 56(5), 675-688. doi.

Hunter, C. L., Quintero, E. M., Gilstrap, L., Bhat, N. R., & Granholm, A.-C. (2004). Minocycline protects basal forebrain cholinergic neurons from mu p75-saporin immunotoxic lesioning. *European Journal of Neuroscience*, 19(12), 3305-3316. doi. <http://www.blackwell-synergy.com/links/doi/10.1111/j.0953-816X.2004.0343...>

Hunter, D. A., Pan, D., Wood, M. D., Snyder-Warwick, A. K., Moore, A. M., Feldman, E. L., . . . Brenner, M. J. (2020). Design-Based Stereology and Binary Image Histomorphometry in Nerve Assessment. *Journal of Neuroscience Methods*, 108635.

doi: <https://doi.org/10.1016/j.jneumeth.2020.108635>.

<http://www.sciencedirect.com/science/article/pii/S0165027020300571>

Huo, K., Sun, Y., Li, H., Du, X., Wang, X., Karlsson, N., . . . Blomgren, K. (2012). Lithium reduced neural progenitor apoptosis in the hippocampus and ameliorated functional deficits after irradiation to the immature mouse brain. *Molecular and Cellular Neuroscience*, (0). doi: 10.1016/j.mcn.2012.07.002.

<http://www.sciencedirect.com/science/article/pii/S1044743112001108>

Huotari, A., Penttinen, A.-M., Bäck, S., Voutilainen, M. H., Julku, U., Piepponen, T. P., . . . Airavaara, M. (2018). Combination of CDNF and Deep Brain Stimulation Decreases Neurological Deficits in Late-stage Model Parkinson's Disease. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2018.01.052>.

<http://www.sciencedirect.com/science/article/pii/S0306452218300824>

Hurskainen, M., Mižiková, I., Cook, D. P., Andersson, N., Cyr-Depauw, C., Lesage, F., . . . Thébaud, B. (2021). Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. *Nature Communications*, 12(1), 1565. doi: 10.1038/s41467-021-21865-2.

<https://doi.org/10.1038/s41467-021-21865-2>

Hurtado, A., Podinin, H., Oudega, M., & Grimpe, B. (2008). Deoxyribozyme-mediated knockdown of xylosyltransferase-1 mRNA promotes axon growth in the adult rat spinal cord. *Brain*. doi:

10.1093/brain/awn206. <http://brain.oxfordjournals.org/cgi/content/abstract/awn206v1>

Hussain, T., Kil, H., Hattiangady, B., Lee, J., Kodali, M., Shuai, B., . . . Aldaz, C. M. (2019). Wwox deletion leads to reduced GABA-ergic inhibitory interneuron numbers and activation of microglia and astrocytes in mouse hippocampus. *Neurobiology of Disease*, 121, 163-176. doi: <https://doi.org/10.1016/j.nbd.2018.09.026>.

<http://www.sciencedirect.com/science/article/pii/S0969996118306612>

<http://www.sciencedirect.com/science/article/pii/S0969996118306612>

Hutson, C. B., Lazo, C. R., Mortazavi, F., Giza, C. C., Hovda, D., & Chesselet, M. F. (2011). Traumatic brain injury in adult rats causes progressive nigrostriatal dopaminergic cell loss and enhanced vulnerability to the pesticide paraquat. *Journal of Neurotrauma*, 28(9), 1783-1801. doi:

Huttenrauch, M., Brausz, A., Kurdakova, A., Borgers, H., Klinker, F., Liebetanz, D., . . . Wirths, O. (2016). Physical activity delays hippocampal neurodegeneration and rescues memory deficits in an Alzheimer disease mouse model. [Original Article]. *Transl Psychiatry*, 6, e800. doi: 10.1038/tp.2016.65. <http://dx.doi.org/10.1038/tp.2016.65>

Hutter-Saunders, J. A. L., Gendelman, H. E., & Mosley, R. L. (2012). Murine Motor and Behavior Functional Evaluations for Acute 1-Methyl-4-Phenyl-1, 2, 3, 6-Tetrahydropyridine (MPTP) Intoxication. *Journal of Neuroimmune Pharmacology*, 1-10. doi:

Huusko, N., & Pitkänen, A. (2014). Parvalbumin immunoreactivity and expression of GABAA receptor subunits in the thalamus after experimental TBI. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.02.026>.
<http://www.sciencedirect.com/science/article/pii/S0306452214001389>

Huusko, N., Römer, C., Ndoe-Ekane, X., Lukasiuk, K., & Pitkänen, A. (2013). Loss of hippocampal interneurons and epileptogenesis: a comparison of two animal models of acquired epilepsy. *Brain Structure and Function*, 1-39. doi: 10.1007/s00429-013-0644-1. <http://dx.doi.org/10.1007/s00429-013-0644-1>

Hwang, B. H., Chang, H. M., Gu, Z. H., & Suzuki, R. (2007). c-fos gene expression is increased in the paraventricular hypothalamic nucleus of Sprague-Dawley rats With visceral pain induced by acetic acid without detectable changes of corticotrophin-releasing factor mRNA: A quantitative approach with an image analysis system. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 290(4), 406-413. doi.

Hwang, D. H., Kim, H. M., Kang, Y. M., Joo, I. S., Cho, C. S., Yoon, B. W., . . . Kim, B. G. (2011). Combination of multifaceted strategies to maximize the therapeutic benefits of neural stem cell transplantation for spinal cord repair. *Cell Transplantation*, 20(9), 1361-1379. doi.

Hwang, D. H., Shin, H. Y., Kwon, M. J., Choi, J. Y., Ryu, B.-Y., & Kim, B. G. (2014). Survival of Neural Stem Cell Grafts in the Lesioned Spinal Cord Is Enhanced by a Combination of Treadmill Locomotor Training via Insulin-Like Growth Factor-1 Signaling. *The Journal of Neuroscience*, 34(38), 12788-12800. doi: <http://www.jneurosci.org/content/34/38/12788.short>

Hwang, J. H., Lee, J. H., Lee, K. H., Bae, E. J., Sung, D. K., Chang, Y. S., & Park, W. S. (2010). Cyclosporine A attenuates hypoxic-ischemic brain injury in newborn rats. *Brain Research*, 1359, 208-215. doi.

Hwang, S. J., & Huh, Y. (2010). Age-related changes in nitric oxide synthase in the lateral geniculate nucleus of rats. *Journal of molecular histology*, 41(2), 129-135. doi.

Iacono, D., Geraci-Erck, M., Peng, H., Rabin, M. L., & Kurlan, R. (2015). Reduced Number of Pigmented Neurons in the Substantia Nigra of Dystonia Patients? Findings from Extensive Neuropathologic, Immunohistochemistry, and Quantitative Analyses. *Tremor and Other Hyperkinetic Movements*. doi: <http://www.tremorjournal.org/index.php/tremor/article/view/301/1073>

Iacono, D., Geraci-Erck, M., Peng, H., Rabin, M. L., & Kurlan, R. (2018). Hypertrophy of nigral neurons in Torsin1A deletion (DYT1) carriers manifesting dystonia. *Parkinsonism & Related Disorders*. doi: 10.1016/j.parkreldis.2018.08.020. <https://doi.org/10.1016/j.parkreldis.2018.08.020>

Iacono, D., Markesbery, W. R., Gross, M., Pletnikova, O., Rudow, G., Zandi, P., & Troncoso, J. C. (2009). The Nun Study. Clinically silent AD, neuronal hypertrophy, and linguistic skills in early life. *Neurology*, 73(9), 665-673. doi.

Iacono, D., O'Brien, R., Resnick, S. M., Zonderman, A. B., Pletnikova, O., Rudow, G., . . . Troncoso, J. C. (2008). Neuronal hypertrophy in asymptomatic Alzheimer's disease. *Journal of Neuropathology and Experimental Neurology*, 67(6), 578-578. doi.

Iacono, D., Resnick, S. M., O'Brien, R., Zonderman, A. B., An, Y., Pletnikova, O., . . . Troncoso, J. C. (2014). Mild Cognitive Impairment and Asymptomatic Alzheimer Disease Subjects: Equivalent [beta]-Amyloid and Tau Loads With Divergent Cognitive Outcomes. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.000000000000052. doi: http://journals.lww.com/jneuropath/Fulltext/publishahead/Mild_Cognitive_...

Iannielli, A., Bido, S., Folladori, L., Segnali, A., Cancellieri, C., Maresca, A., . . . Broccoli, V. (2018). Pharmacological Inhibition of Necroptosis Protects from Dopaminergic Neuronal Cell Death in Parkinson's Disease Models. *Cell Reports*, 22(8), 2066-2079. doi: <https://doi.org/10.1016/j.celrep.2018.01.089>. <http://www.sciencedirect.com/science/article/pii/S221124718301530>

Ibanez-Sandoval, O., Tecuapetla, F., Unal, B., Shah, F., Koos, T., & Tepper, J. M. (2010). Electrophysiological and Morphological Characteristics and Synaptic Connectivity of Tyrosine Hydroxylase-Expressing Neurons in Adult Mouse Striatum. *Journal of Neuroscience*, 30(20), 6999-7016. doi: 10.1523/jneurosci.5996-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/20/6999>

Iczkiewicz, J., Broom, L., Cooper, J. D., Wong, A. M. S., Rose, S., & Jenner, P. (2010). The RGD- containing peptide fragment of osteopontin protects tyrosine hydroxylase positive cells against toxic insult in primary ventral mesencephalic cultures and in the rat substantia nigra. *Journal of Neurochemistry*, 114(6), 1792-1804. doi. <http://dx.doi.org/10.1111/j.1471-4159.2010.06896.x>

Idrus, N. M., McGough, N. N. H., Riley, E. P., & Thomas, J. D. (2011). Administration of Memantine During Ethanol Withdrawal in Neonatal Rats: Effects on Long-Term Ethanol- Induced Motor Incoordination and Cerebellar Purkinje Cell Loss. *Alcoholism: Clinical and Experimental Research*, 35(2), 355-364. doi: 10.1111/j.1530-0277.2010.01351.x. <http://dx.doi.org/10.1111/j.1530-0277.2010.01351.x>

Ieraci, A., & Herrera, D. G. (2006). Nicotinamide Protects against Ethanol-Induced Apoptotic Neurodegeneration in the Developing Mouse Brain. *PLoS Medicine*, 3(4), e101. doi.

Ieraci, A., & Herrera, D. G. (2018). Nicotinamide Inhibits Ethanol-Induced Caspase-3 and PARP-1 Over-activation and Subsequent Neurodegeneration in the Developing Mouse Cerebellum. [journal article]. *The Cerebellum*. doi: 10.1007/s12311-017-0916-z. <https://doi.org/10.1007/s12311-017-0916-z>

Igado, O. O., Andrioli, A., Azeez, I. A., Girolamo, F., Errede, M., Aina, O. O., . . . Olopade, J. O. (2020). The ameliorative effects of a phenolic derivative of *Moringa oleifera* leave against vanadium-induced neurotoxicity in mice. *IBRO Reports*. doi: <https://doi.org/10.1016/j.ibror.2020.07.004>. <http://www.sciencedirect.com/science/article/pii/S2451830120300273>

Ignarro, R. S., Vieira, A. S., Sartori, C. R., Langone, F., Rogério, F., & Parada, C. A. (2013). JAK2 inhibition is neuroprotective and reduces astrogliosis after quinolinic acid striatal lesion in adult mice. *Journal of Chemical Neuroanatomy*, (0). doi: <http://dx.doi.org/10.1016/j.jchemneu.2013.02.005>.
<http://www.sciencedirect.com/science/article/pii/S089106181300015X>

Ihara, R., Vincent, B. D., Baxter, M. R., Franklin, E. E., Hassenstab, J. J., Xiong, C., . . . Cairns, N. J. (2018). Relative neuron loss in hippocampal sclerosis of aging and Alzheimer disease. *Annals of Neurology*, 0(ja). doi: doi:10.1002/ana.25344. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25344>

Ihunwo, A. O., & Schliebs, R. (2010). Cell proliferation and total granule cell number in dentate gyrus of transgenic Tg2576 mouse. *Acta Neurobiologiae Experimentalis*, 70(4), 362-362. doi.

Ikeda, S., He, A., Kong, S. W., Lu, J., Bejar, R., Bodyak, N., . . . Pu, W. T. (2009). microRNA-1 negatively regulates expression of the hypertrophy-associated genes calmodulin and Mef2a. *Molecular and Cellular Biology*, MCB.01222-01208. doi: 10.1128/mcb.01222-08. <http://mcb.asm.org/cgi/content/abstract/MCB.01222-08v1>

Ikeda, Y., Zabbarova, I., Schaefer, C. M., Bushnell, D. S., de Groat, W. C., Kanai, A. J., & Bates, C. M. (2017). Fgfr2 is integral for bladder mesenchyme patterning and function. [10.1152/ajprenal.00463.2016]. *American Journal of Physiology - Renal Physiology*. doi: <http://ajprenal.physiology.org/content/early/2017/01/03/ajprenal.00463.2>

Ikemoto, S., Witkin, B. M., & Morales, M. (2003). Rewarding injections of the cholinergic agonist carbachol into the ventral tegmental area induce locomotion and c-Fos expression in the retrosplenial area and supramammillary nucleus. *Brain Research*, 969(1), 78-87. doi.

Ikonomidou, C., Kirvassilis, G., Swiney, B. S., Wang, S. H., Huffman, J. N., Williams, S. L., . . . Noguchi, K. K. (2019). Mild hypothermia ameliorates anesthesia toxicity in the neonatal macaque brain. *Neurobiology of Disease*, 104489. doi: <https://doi.org/10.1016/j.nbd.2019.104489>.
<http://www.sciencedirect.com/science/article/pii/S0969996119301445>

Ikonomovic, M. D., Abrahamson, E. E., Price, J. C., Hamilton, R. L., Mathis, C. A., Paljug, W. R., . . . others. (2012). Early AD pathology in a [C-11] PiB-negative case: a PiB-amyloid imaging, biochemical, and immunohistochemical study. *Acta Neuropathologica*, 1-15. doi.

Ikonomovic, M. D., Buckley, C. J., Abrahamson, E. E., Kofler, J. K., Mathis, C. A., Klunk, W. E., & Farrar, G. (2020). Post-mortem analyses of PiB and flutemetamol in diffuse and cored amyloid- β plaques in Alzheimer's disease. *Acta Neuropathologica*. doi: 10.1007/s00401-020-02175-1. <https://doi.org/10.1007/s00401-020-02175-1>

Iliff, J. J., Chen, M. J., Plog, B. A., Zeppenfeld, D. M., Soltero, M., Yang, L., . . . Nedergaard, M. (2014). Impairment of Glymphatic Pathway Function Promotes Tau Pathology after Traumatic Brain Injury. *The Journal of Neuroscience*, 34(49), 16180-16193. doi: <http://www.jneurosci.org/content/34/49/16180.short>

Iliff, J. J., Wang, M., Zeppenfeld, D. M., Venkataraman, A., Plog, B. A., Liao, Y., . . . Nedergaard, M. (2013). Cerebral Arterial Pulsation Drives Paravascular CSF–Interstitial Fluid Exchange in the Murine Brain. *The Journal of Neuroscience*, 33(46), 18190–18199. doi: <http://www.jneurosci.org/content/33/46/18190.short>

Ilijic, E., Guidotti, A., & Mugnaini, E. (2005). Moving up or moving down? Malpositioned cerebellar unipolar brush cells in reeler mouse. *Neuroscience*, 136(3), 633–647. doi:

Ilijic, E., Guzman, J. N., & Surmeier, D. J. (2011). The L-type channel antagonist isradipine is neuroprotective in a mouse model of Parkinson's disease. *Neurobiology of Disease*. doi:

Illouz, T., Madar, R., Biragyn, A., & Okun, E. (2018). Restoring microglial and astroglial homeostasis using DNA immunization in a Down Syndrome mouse model. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2018.10.004>.
<http://www.sciencedirect.com/science/article/pii/S088915911830744X>

Imam, A., Bhagwandin, A., Ajao, M. S., Ihunwo, A. O., Fuxe, K., & Manger, P. R. (2018). The brain of the tree pangolin (*Manis tricuspis*). III. The unusual locus coeruleus complex. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24519. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24519>

Imam, A., Bhagwandin, A., Ajao, M. S., Ihunwo, A. O., & Manger, P. R. (2019). The brain of the tree pangolin (*Manis tricuspis*). IV. The hippocampal formation. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24620. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24620>

Imam, A., Bhagwandin, A., Ajao, M. S., & Manger, P. R. (2019). The brain of the tree pangolin (*Manis tricuspis*). V. The diencephalon and hypothalamus. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24619. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24619>

Imam, A., Bhagwandin, A., Ajao, M. S., Spocter, M. A., Ihunwo, A. O., & Manger, P. R. (2018). The brain of the tree pangolin (*Manis tricuspis*). II. The olfactory system. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24510. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24510>

Imam, S. Z., Trickler, W., Kimura, S., Binienda, Z. K., Paule, M. G., Slikker, W., Jr., . . . Ali, S. F. (2013). Neuroprotective Efficacy of a New Brain-Penetrating C-Abl Inhibitor in a Murine Parkinson's Disease Model. *Plos one*, 8(5), e65129. doi: 10.1371/journal.pone.0065129. <http://dx.doi.org/10.1371%2Fjournal.pone.0065129>

Imfeld, P., Bodmer, M., Jick, S. S., & Meier, C. R. (2012). Metformin, other antidiabetic drugs, and risk of Alzheimer's disease: a population-based case-control study. *Journal of the American Geriatrics Society*, 60. doi: 10.1111/j.1532-5415.2012.03916.x. <http://dx.doi.org/10.1111/j.1532-5415.2012.03916.x>

Inden, M., Kitamura, Y., Takahashi, K., Takata, K., Ito, N., Niwa, R., . . . others. (2011). Protection Against Dopaminergic Neurodegeneration in Parkinson's Disease–Model Animals by a

Modulator of the Oxidized Form of DJ-1, a Wild-type of Familial Parkinson's Disease-Linked PARK7. *Journal of Pharmacological Sciences*, 117(3), 189-203. doi.

Inden, M., Kitamura, Y., Tamaki, A., Yanagida, T., Shibaike, T., Yamamoto, A., . . . others. (2009). Neuroprotective effect of the antiparkinsonian drug pramipexole against nigrostriatal dopaminergic degeneration in rotenone-treated mice. *Neurochemistry International*, 55(8), 760-767. doi.

Inden, M., Takata, K., Nishimura, K., Kitamura, Y., Ashihara, E., Yoshimoto, K., . . . Shimohama, S. (2012). Therapeutic effects of human mesenchymal and hematopoietic stem cells on rotenone-treated parkinsonian mice. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23128. <http://dx.doi.org/10.1002/jnr.23128>

Inden, M., Takata, K., Yanagisawa, D., Ashihara, E., Tooyama, I., Shimohama, S., & Kitamura, Y. (2016). $\alpha 4$ Nicotinic acetylcholine receptor modulated by galantamine on nigrostriatal terminals regulates dopamine receptor-mediated rotational behavior. *Neurochemistry International*. doi: <http://dx.doi.org/10.1016/j.neuint.2016.02.008>. <http://www.sciencedirect.com/science/article/pii/S0197018616300171>

Indraswari, F., Wang, H., Lei, B., James, M. L., Kernagis, D., Warner, D. S., . . . Laskowitz, D. T. (2012). Statins improve outcome in murine models of intracranial hemorrhage and traumatic brain injury: A translational approach. *Journal of Neurotrauma*, (jā). doi.

Inflammasom, D. A. S. (2008). Das Inflammasom: zentrale Schalt-stelle zwischen Stresssignalen und der Entzündungsreaktion bei neuro-degenerativen Erkrankungen?!. *Spektrum Sachbücher*, 190-190. doi.

Inga, W., Meike, J., Stephan, v. H., Michael, S., & Andreas, S. (2019). Postnatal morphological lung development of wild type and CD26/DPP4 deficient rat pups in dependency of LPS exposure. *Annals of Anatomy - Anatomischer Anzeiger*, 151423. doi: <https://doi.org/10.1016/j.aanat.2019.151423>. <http://www.sciencedirect.com/science/article/pii/S094096021930127X>

Inglis-Broadgate, S. L., Thomson, R. E., Pellicano, F., Tartaglia, M. A., Pontikis, C. C., Cooper, J. D., & Iwata, T. (2005). FGFR3 regulates brain size by controlling progenitor cell proliferation and apoptosis during embryonic development. *Developmental Biology*, 279(1), 73-85. doi.

Ingraham, S. E., Saha, M., Carpenter, A. R., Robinson, M., Ismail, I., Singh, S., . . . others. (2010). Pathogenesis of renal injury in the megabladder mouse: A genetic model of congenital obstructive nephropathy. *Pediatric Research*, 68(6), 500-507. doi.

Inman, D. M., & Horner, P. J. (2007). Reactive nonproliferative gliosis predominates in a chronic mouse model of glaucoma. *Glia*, 55(9), 942-953. doi.

Inman, D. M., Lambert, W. S., Calkins, D. J., & Horner, P. J. (2013). α -Lipoic Acid Antioxidant Treatment Limits Glaucoma-Related Retinal Ganglion Cell Death and Dysfunction. *Plos one*, 8(6), e65389. doi: 10.1371/journal.pone.0065389. <http://dx.doi.org/10.1371%2Fjournal.pone.0065389>

Innamorato, N. G., Jazwa, A., Rojo, A. I., García, C., Fernández-Ruiz, J., Grochot-Przeczek, A., . . . Cuadrado, A. (2010). Different susceptibility to the parkinson's toxin MPTP in mice lacking the redox master regulator Nrf2 or its target gene heme oxygenase-1. *PLoS ONE*, 5(7), e11838-e11838. doi.

Inostroza, M., Cid, E., Brotons-Mas, J., Gal, B., Aivar, P., Uzcategui, Y. G., . . . de la Prida, L. M. (2011). Hippocampal-Dependent Spatial Memory in the Water Maze is Preserved in an Experimental Model of Temporal Lobe Epilepsy in Rats. *PLoS ONE*, 6(7), e22372-e22372. doi.

Inoue, H., Lin, L., Lee, X., Shao, Z., Mendes, S., Snodgrass-Belt, P., . . . Isacson, O. (2007). Inhibition of the leucine-rich repeat protein LINGO-1 enhances survival, structure, and function of dopaminergic neurons in Parkinson's disease models. *Proceedings of the National Academy of Sciences*, 0700901104. doi: 10.1073/Proceedings of the National Academy of Sciences.0700901104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/0700901104v1>

Inoue, N., Ogura, S., Kasai, A., Nakazawa, T., Ikeda, K., Higashi, S., . . . Fujimura, H. (2018). Knockdown of the mitochondria-localized protein p13 protects against experimental parkinsonism. *EMBO reports*, e44860. doi. <http://embor.embopress.org/content/early/2018/01/24/embr.201744860.export>

Inoue, T., Abe, C., Kohro, T., Tanaka, S., Huang, L., Yao, J., . . . Okusa, M. D. (2019). Non-canonical cholinergic anti-inflammatory pathway-mediated activation of peritoneal macrophages induces Hes1 and blocks ischemia/reperfusion injury in the kidney. *Kidney International*. doi: 10.1016/j.kint.2018.09.020. <https://doi.org/10.1016/j.kint.2018.09.020>

Inoue, T., Abe, C., Sung, S.-s. J., Moscalu, S., Jankowski, J., Huang, L., . . . Okusa, M. D. (2016). Vagus nerve stimulation mediates protection from kidney ischemia-reperfusion injury through $\alpha 7$ nAChR⁺ splenocytes. *The Journal of Clinical Investigation*, 126(5). doi: 10.1172/jci83658. <http://dx.doi.org/10.1172/JCI83658>

Insua, D., Corredoira, A., González-Martínez, Á., Suárez, M. L., Santamarina, G., Sarasa, M., & Pesini, P. (2012). Expression of p75 NTR, a Marker for Basal Forebrain Cholinergic Neurons, in Young and Aged Dogs with or without Cognitive Dysfunction Syndrome. *Journal of Alzheimer's Disease*, 28(2), 291-296. doi.

Insua, D., Suárez, M. L., Santamarina, G., Sarasa, M., & Pesini, P. (2010). Dogs with canine counterpart of Alzheimer's disease lose noradrenergic neurons. *Neurobiology of Aging*, 31(4), 625-635. doi.

Ip, C. W., Klaus, L.-C., Karikari, A. A., Visanji, N. P., Brotchie, J. M., Lang, A. E., . . . Koprach, J. B. (2017). AAV1/2-induced overexpression of A53T- α -synuclein in the substantia nigra results in degeneration of the nigrostriatal system with Lewy-like pathology and motor impairment: a new mouse model for Parkinson's disease. [journal article]. *Acta Neuropathologica Communications*, 5(1), 11. doi: 10.1186/s40478-017-0416-x. <http://dx.doi.org/10.1186/s40478-017-0416-x>

Iqbal, S., Howard, S., & LoGrasso, P. V. (2015). Serum- glucocorticoid-inducible kinase 1 confers protection in cell-based and in in vivo neurotoxin models via the c-Jun N-terminal

kinase signaling pathway. *Molecular and Cellular Biology*. doi: 10.1128/mcb.01510-14. <http://mcb.asm.org/content/early/2015/03/27/MCB.01510-14.abstract>

Irvine, E. E., Drinkwater, L., Radwanska, K., Al-Qassab, H., Smith, M. A., O'Brien, M., . . . Giese, K. P. (2011). Insulin receptor substrate 2 is a molecular constraint on memory formation. *Learning and Memory*, 18, 375-383. doi.

Irvine, E. E., Drinkwater, L., Radwanska, K., Al-Qassab, H., Smith, M. A., O'Brien, M., . . . others. (2011). Insulin receptor substrate 2 is a negative regulator of memory formation. *Learning and Memory*, 18(6), 375-383. doi.

Isgor, C., Kabbaj, M., Akil, H., & Watson, S. J. (2004). Delayed effects of chronic variable stress during peripubertal-juvenile period on hippocampal morphology and on cognitive and stress axis functions in rats. *Hippocampus*, 14(5), 636-648. doi.

Isgor, C., Pare, C., McDole, B., Coombs, P., & Guthrie, K. (2015). Expansion of the dentate mossy fiber-CA3 projection in the brain-derived neurotrophic factor-enriched mouse hippocampus. *Neuroscience*, 288(0), 10-23. doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.12.036>. <http://www.sciencedirect.com/science/article/pii/S0306452214010859>

Isgor, C., Slomianka, L., & Watson, S. J. (2004). Hippocampal mossy fibre terminal field size is differentially affected in a rat model of risk-taking behaviour. *Behavioural Brain Research*, 153(1), 7-14. doi.

Ishibashi, S., Maric, D., Mou, Y., Ohtani, R., Ruetzler, C., & Hallenbeck, J. M. (2008). Mucosal tolerance to E-selectin promotes the survival of newly generated neuroblasts via regulatory T-cell induction after stroke in spontaneously hypertensive rats. *Journal of Cerebral Blood Flow Metabolism*. doi: <http://dx.doi.org/10.1038/jcbfm.2008.153>
<http://www.nature.com/jcbfm/journal/vaop/ncurrent/supinfo/jcbfm2008153s...>

Ishida, A., Watanabe, G., Oshikawa, M., Ajioka, I., & Muraoka, T. (2019). Glycine Substitution Effects on the Supramolecular Morphology and Rigidity of Cell-Adhesive Amphiphilic Peptides. *Chemistry – A European Journal*, 0(ja). doi: 10.1002/chem.201902083. <https://onlinelibrary.wiley.com/doi/abs/10.1002/chem.201902083>

Ishihara, K., Shimizu, R., Takata, K., Kawashita, E., Amano, K., Shimohata, A., . . . Akiba, S. (2019). Perturbation of the immune cells and prenatal neurogenesis by the triplication of the *Erg* gene in mouse models of Down syndrome. *Brain Pathology*, 0(ja). doi: 10.1111/bpa.12758. <https://onlinelibrary.wiley.com/doi/abs/10.1111/bpa.12758>

Ishiyama, A., Agena, J., Lopez, I., & Tang, Y. (2001). Unbiased stereological quantification of neurons in the human spiral ganglion. *Neuroscience Letters*, 304(1-2), 93-96. doi.

Ishiyama, A., Lopez, I., Ishiyama, G., & Tang, Y. (2004). Unbiased quantification of the microdissected human Scarpa's ganglion neurons. *Laryngoscope*, 114(8), 1496-1499. doi.

Ishiyama, G., Finn, M., Lopez, I., Tang, Y., Baloh, R. W., & Ishiyama, A. (2005). Unbiased quantification of Scarpa's ganglion neurons in aminoglycoside ototoxicity. *Journal of Vestibular Research: Equilibrium and Orientation*, 15(4), 197-202. doi:

Ishiyama, G., Tokita, J., Lopez, I., Tang, Y., & Ishiyama, A. (2007). Unbiased stereological estimation of the spiral ligament and stria vascularis volumes in aging and Ménière's disease using archival human temporal bones. *Journal of the Association for Research in Otolaryngology*, 8(1), 8-17. doi:

Issa, H. A., Staes, N., Diggs-Galligan, S., Stimpson, C. D., Gendron-Fitzpatrick, A., Tagliatela, J. P., . . . Sherwood, C. C. (2018). Comparison of bonobo and chimpanzee brain microstructure reveals differences in socio-emotional circuits. [Journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1751-9. <https://doi.org/10.1007/s00429-018-1751-9>

Issa, J. P., Gonzaga, M., Kotake, B. G., de Lucia, C., Ervolino, E., & Iyomasa, M. (2015). Bone repair of critical size defects treated with autogenic, allogenic, or xenogenic bone grafts alone or in combination with rhBMP-2. *Clinical Oral Implants Research*, n/a-n/a. doi: 10.1111/clr.12622. <http://dx.doi.org/10.1111/clr.12622>

Issa, J. P. M., Trawitzki, B. F., Ervolino, E., Macedo, A. P., & Lilge, L. (2017). Low-intensity laser therapy efficacy evaluation in FVB mice subjected to acute and chronic arthritis. [Journal article]. *Lasers in Medical Science*, 1-9. doi: 10.1007/s10103-017-2235-5. <http://dx.doi.org/10.1007/s10103-017-2235-5>

Ito, D., Fujisawa, T., Iida, H., & Suzuki, N. (2008). Characterization of seipin/BSCL2, a protein associated with spastic paraplegia 17. *Neurobiology of Disease*, 31. doi: 10.1016/j.nbd.2008.05.004. <http://dx.doi.org/10.1016/j.nbd.2008.05.004>

Ito, T., Bishop, D. C., & Oliver, D. L. (2011). Expression of glutamate and inhibitory amino acid vesicular transporters in the rodent auditory brainstem. *Journal of Comparative Neurology*, 519(2), 316-340. doi: 10.1002/cne.22521. <http://dx.doi.org/10.1002/cne.22521>

Ito, T., Hioki, H., Sohn, J., Okamoto, S., Kaneko, T., Iino, S., & Oliver, D. L. (2015). Convergence of lemniscal and local excitatory inputs on large gabaergic tectothalamic neurons. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23789. <http://dx.doi.org/10.1002/cne.23789>

Iva Dincheva, Jianmin Yang, Anfei Li, Tina Marinic, Helena Freilingsdorf, Chienchun Huang, . . . Deqiang Jing. (2017). Effect of Early-Life Fluoxetine on Anxiety-Like Behaviors in BDNF Val66Met Mice. *American Journal of Psychiatry*, 0(0), appi.ajp.2017.15121592. doi: 10.1176/appi.ajp.2017.15121592. <http://ajp.psychiatryonline.org/doi/abs/10.1176/appi.ajp.2017.15121592>

Iwasaki, M., Wilcox, J. T., Nishimura, Y., Zweckberger, K., Suzuki, H., Wang, J., . . . Fehlings, M. G. (2014). Synergistic effects of self-assembling peptide and neural stem/progenitor cells to promote tissue repair and forelimb functional recovery in cervical spinal cord injury. *Biomaterials*, 0(0). doi: <http://dx.doi.org/10.1016/j.biomaterials.2013.12.019>. <http://www.sciencedirect.com/science/article/pii/S0142961213015032>

Iwata, Y., Suzuki, K., Wakuda, T., Seki, N., Thanseem, I., Matsuzaki, H., . . . others. (2008). Irradiation in adulthood as a new model of schizophrenia. *PLoS ONE*, 3(5), e2283-e2283. doi:

Iyer, V., Vo, Q., Mell, A., Chinniah, S., Zenerovitz, A., Venkiteswaran, K., . . . Subramanian, T. (2019). Acute levodopa dosing around-the-clock ameliorates REM sleep without atonia in hemiparkinsonian rats. *Npj Parkinson's Disease*, 5(1), 27. doi: 10.1038/s41531-019-0096-2. <https://doi.org/10.1038/s41531-019-0096-2>

Izco, M., Blesa, J., Schlee, M., Schmeer, M., Porcari, R., Al-Shawi, R., . . . Alvarez-Erviti, L. (2019). Systemic exosomal delivery of shRNA minicircles prevents Parkinsonian pathology. *Molecular Therapy*. doi: <https://doi.org/10.1016/j.ymthe.2019.08.010>. <http://www.sciencedirect.com/science/article/pii/S1525001619303715>

Jabès, A., Lavenex, P. B., Amaral, D. G., & Lavenex, P. (2010). Quantitative analysis of postnatal neurogenesis and neuron number in the macaque monkey dentate gyrus. *European Journal of Neuroscience*, 31(2), 273-285. doi:

Jabès, A., Lavenex, P. B., Amaral, D. G., & Lavenex, P. (2011). Postnatal development of the hippocampal formation: A stereological study in macaque monkeys. *Journal of Comparative Neurology*, 519(6), 1051-1070. doi: 10.1002/cne.22549. <http://dx.doi.org/10.1002/cne.22549>

Jablonski, M. R., Markandaiah, S. S., Jacob, D., Meng, N. J., Li, K., Gennaro, V., . . . Pasinelli, P. (2014). Inhibiting drug efflux transporters improves efficacy of ALS therapeutics. *Annals of Clinical and Translational Neurology*, n/a-n/a. doi: 10.1002/acn3.141. <http://dx.doi.org/10.1002/acn3.141>

Jacinto, L. R., Mata, R., Novais, A., Marques, F., & Sousa, N. (2016). The habenula as a critical node in chronic stress-related anxiety. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.12.003>. <http://www.sciencedirect.com/science/article/pii/S0014488616304034>

Jackson, A. R., Hoff, M. L., Li, B., Ching, C. B., McHugh, K. M., & Becknell, B. (2019). Krt5+ Urothelial Cells are Developmental and Tissue Repair Progenitors in the Kidney. *American Journal of Physiology-Renal Physiology*, 0(0), null. doi: 10.1152/ajprenal.00171.2019. <https://www.physiology.org/doi/abs/10.1152/ajprenal.00171.2019>

Jackson, K. L., Dayton, R. D., Fisher-Perkins, J. M., Didier, P. J., Baker, K. C., Weimer, M., . . . Klein, R. L. (2015). Initial gene vector dosing for studying symptomatology of amyotrophic lateral sclerosis in non-human primates. *Journal of Medical Primatology*, n/a-n/a. doi: 10.1111/jmp.12162. <http://dx.doi.org/10.1111/jmp.12162>

Jacky, W. (2015). Neuropathologic features in the hippocampus and cerebellum of three older men with fragile X syndrome. doi: <https://link.springer.com/article/10.1186/2040-2392-2-2/fulltext.html>

Jacob, A. G., O'Brien, D., Singh, R. K., Comiskey Jr, D. F., Littleton, R. M., Mohammad, F., . . . Bolinger, C. (2013). Stress-Induced Isoforms of MDM2 and MDM4 Correlate with High-Grade

Disease and an Altered Splicing Network in Pediatric Rhabdomyosarcoma. *Neoplasia* (New York, NY), 15(9), 1049. doi: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3769884/>

Jacob, D. A., Ray, T., Bengston, C. L., Lindsten, T., Wu, J., Thompson, C. B., & Forger, N. G. (2008). The role of cell death in sexually dimorphic muscle development: Male-specific muscles are retained in female *bax/bak* knockout mice. *Developmental Neurobiology*, 68(11), 1303-1314. doi:

Jacob, T. G., Raghav, R., Kumar, A., Garg, P. K., & Roy, T. S. (2014). Duration of injury correlates with necrosis in caerulein-induced experimental acute pancreatitis: implications for pathophysiology. *International Journal of Experimental Pathology*, n/a-n/a. doi: 10.1111/iep.12081. <http://dx.doi.org/10.1111/iep.12081>

Jacobs, A. J., Castillo-Ruiz, A., Cisternas, C. D., & Forger, N. G. (2019). Microglial depletion causes region-specific changes to developmental neuronal cell death in the mouse brain. *Developmental Neurobiology*, o(ja). doi: 10.1002/dneu.22706. <https://onlinelibrary.wiley.com/doi/abs/10.1002/dneu.22706>

Jacobs, B., Garcia, M. E., Shea-Shumsky, N. B., Tennison, M. E., Schall, M., Saviano, M. S., . . . Manger, P. R. (2017). Comparative Morphology of Gigantopyramidal Neurons in Primary Motor Cortex Across Mammals. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24349. <http://dx.doi.org/10.1002/cne.24349>

Jacobs, R. A., Lundby, A.-K. M., Fenk, S., Gehrig, S., Siebenmann, C., Flück, D., . . . Lundby, C. (2015). Twenty-eight days of exposure to 3,454 m increases mitochondrial volume density in human skeletal muscle. *The Journal of physiology*, n/a-n/a. doi: 10.1113/jp271118. <http://dx.doi.org/10.1113/JP271118>

Jacobs, S., Lie, D. C., DeCicco, K. L., Shi, Y., DeLuca, L. M., Gage, F. H., & Evans, R. M. (2006). Retinoic acid is required early during adult neurogenesis in the dentate gyrus. *Proceedings of the National Academy of Sciences*, 0511294103. doi: 10.1073/Proceedings of the National Academy of Sciences.0511294103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/0511294103v1>

Jacobsen, J. S., Wu, C.-C., Redwine, J. M., Comery, T. A., Arias, R., Bowlby, M., . . . Bloom, F. E. (2006). Early-onset behavioral and synaptic deficits in a mouse model of Alzheimer's disease. *Proceedings of the National Academy of Sciences*, 103(13), 5161-5166. doi: 10.1073/Proceedings of the National Academy of Sciences.0600948103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/13/5161>

Jacot-Descombes, S., Uppal, N., Wicinski, B., Santos, M., Schmeidler, J., Giannakopoulos, P., . . . Hof, P. (2012). Decreased pyramidal neuron size in Brodmann areas 44 and 45 in patients with autism. *Acta Neuropathologica*, 1-13. doi: 10.1007/s00401-012-0976-6. <http://dx.doi.org/10.1007/s00401-012-0976-6>

Jacquín, M. F., Arends, J. J. A., Xiang, C., Shapiro, L. A., Ribak, C. E., & Chen, Z.-F. (2008). In DRG11 Knock-Out Mice, Trigeminal Cell Death Is Extensive and Does Not Account for Failed Brainstem Patterning. *Journal of Neuroscience*, 28(14), 3577-3585. doi:

10.1523/jneurosci.4203-

07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/14/3577>

Jafari, M., Soerensen, J., Bogdanović, R. M., Dimou, L., Götz, M., & Potschka, H. (2012). Long-term genetic fate mapping of adult generated neurons in a mouse temporal lobe epilepsy model. *Neurobiology of Disease*, (0). doi: 10.1016/j.nbd.2012.06.014.

<http://www.sciencedirect.com/science/article/pii/S096999611200229X>

Jahanshahi, A., Schonfeld, L., Janssen, M. F., Heschem, S., Kocabicak, E., Steinbusch, H. M., ... Temel, Y. (2013). Electrical stimulation of the motor cortex enhances progenitor cell migration in the adult rat brain. *Experimental Brain Research*, 1-13. doi: 10.1007/s00221-013-3680-4. <http://dx.doi.org/10.1007/s00221-013-3680-4>

Jahanshahi, A., Vlamings, R., Kaya, A. H., Lim, L. W., Janssen, M. L. F., Tan, S., ... Temel, Y. (2010). Hyperdopaminergic status in experimental Huntington disease. *Journal of Neuropathology and Experimental Neurology*, 69(9), 910-910. doi.

Jahanshahi, A., Vlamings, R., Roon-Mom, W. v., Faull, R. L. M., Waldvogel, H. J., Janssen, M. L. F., ... Temel, Y. (2013). Changes in brainstem serotonergic and dopaminergic cell populations in experimental and clinical Huntington's disease. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.01.071>. <http://www.sciencedirect.com/science/article/pii/S0306452213001152>

Jahrling, J. B., Hernandez, C. M., Denner, L., & Dineley, K. T. (2014). PPARgamma recruitment to active ERK during memory consolidation is required for Alzheimer's disease-related cognitive enhancement. *Journal of Neuroscience*, 34. doi: 10.1523/jneurosci.4024-

13.2014. <http://dx.doi.org/10.1523/JNEUROSCI.4024-13.2014>

Jain, V., Baitharu, I., Barhwal, K., Prasad, D., Singh, S. B., & Ilavazhagan, G. (2012). Enriched Environment Prevents Hypobaric Hypoxia Induced Neurodegeneration and is Independent of Antioxidant Signaling. *Cellular and Molecular Neurobiology*, 1-13. doi.

Jaken, R. J., van Gorp, S., Joosten, E. A., Losen, M., Mart Hinez-Mart Hinez, P., De Baets, M., ... Deumens, R. (2011). Neuropathy-Induced Spinal GAP-43 Expression Is Not a Main Player in the Onset of Mechanical Pain Hypersensitivity. *Journal of Neurotrauma*, 28(12), 2463-2473. doi.

James, M. L., Wang, H., Venkatraman, T., Song, P., Lascola, C. D., & Laskowitz, D. T. (2010). Brain natriuretic peptide improves long-term functional recovery after acute CNS injury in mice. *Journal of Neurotrauma*, 27(1), 217-228. doi.

Janelidze, S., Nordström, U., Kügler, S., & Brundin, P. (2014). Pre-existing immunity to AAV2 limits transgene expression following intracerebral AAV2-based gene delivery in a 6-OHDA model of Parkinson's disease. *The Journal of Gene Medicine*. doi: <http://onlinelibrary.wiley.com/doi/10.1002/jgm.2779/abstract>

Janer, A., Prudent, J., Paupe, V., Fahiminiya, S., Majewski, J., Sgarioto, N., ... Gingras, A. C. (2016). SLC25A46 is required for mitochondrial lipid homeostasis and cristae maintenance

and is responsible for Leigh syndrome. *EMBO Molecular Medicine*, e201506159.
doi: <http://embomolmed.embopress.org/content/early/2016/07/07/emmm.201506159...>

Jang, H., Boltz, D., McClaren, J., Pani, A. K., Smeyne, M., Korff, A., . . . Smeyne, R. J. (2012). Inflammatory Effects of Highly Pathogenic H5N1 Influenza Virus Infection in the CNS of Mice. *Journal of Neuroscience*, 32(5), 1545-1559. doi: 10.1523/jneurosci.5123-11.2012. <http://www.jneurosci.org/content/32/5/1545.abstract>

Janis, K. L., Brennan, R. T., Drolet, R. E., Behrouz, B., Kaufman, S. K., Lookingland, K. J., & Goudreau, J. L. (2008). Effects of Sildenafil on Nigrostriatal Dopamine Neurons in a Murine Model of Parkinson's Disease. *Journal of Alzheimer's Disease*, 15(1), 97-107. doi.

Jankowsky, J. L., Melnikova, T., Fadale, D. J., Xu, G. M., Slunt, H. H., Gonzales, V., . . . Savonenko, A. V. (2005). Environmental Enrichment Mitigates Cognitive Deficits in a Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 25(21), 5217-5224. doi: <http://www.jneurosci.org/cgi/content/abstract/25/21/5217>

Jankowsky, J. L., Xu, G., Fromholt, D., Gonzales, V., & Borchelt, D. R. (2003). Environmental enrichment exacerbates amyloid plaque formation in a transgenic mouse model of Alzheimer disease. *Journal of Neuropathology and Experimental Neurology*, 62(12), 1220- 1220. doi.

Jankowsky, J. L., Younkin, L. H., Gonzales, V., Fadale, D. J., Slunt, H. H., Lester, H. A., . . . Borchelt, D. R. (2007). Rodent A Modulates the Solubility and Distribution of Amyloid Deposits in Transgenic Mice. *Journal of Biological Chemistry*, 282(31), 22707-22720. doi.

Jankowsky, J. L., Younkin, L. H., Gonzales, V., Fadale, D. J., Slunt, H. H., Lester, H. A., . . . Borchelt, D. R. (2007). Rodent A β modulates the solubility and distribution of amyloid deposits in transgenic mice. *Journal of Biological Chemistry*, 282(31), 22707-22720. doi.

Jansen, D., Zerbi, V., Arnoldussen, I. A. C., Wiesmann, M., Rijpma, A., Fang, X. T., . . . Kiliaan, A. J. (2013). Effects of Specific Multi-Nutrient Enriched Diets on Cerebral Metabolism, Cognition and Neuropathology in A β PPswe-PS1dE9 Mice. *Plos one*, 8(9), e75393. doi: 10.1371/journal.pone.0075393. <http://dx.doi.org/10.1371%2Fjournal.pone.0075393>

Jansen, D., Zerbi, V., Janssen, C. I. F., Dederen, P. J. W. C., Mutsaers, M. P. C., Hafkemeijer, A., . . . Kiliaan, A. J. (2013). A Longitudinal Study of Cognition, Proton MR Spectroscopy and Synaptic and Neuronal Pathology in Aging Wild-type and A β PPswe-PS1dE9 Mice. *Plos one*, 8(5), e63643. doi: 10.1371/journal.pone.0063643. <http://dx.doi.org/10.1371%2Fjournal.pone.0063643>

Jansen, J. F. A., Lemmens, E. M. P., Strijkers, G. J., Prompers, J. J., Schijns, O. E. M. G., Kooi, M. E., . . . Hoogland, G. (2008). Short-and long-term limbic abnormalities after experimental febrile seizures. *Neurobiology of Disease*, 32(2), 293-301. doi.

Jansing, N. L., McClendon, J., Henson, P. M., Tudor, R. M., Hyde, D. M., & Zemans, R. L. (2017). Unbiased Quantitation of ATII to ATI Cell Transdifferentiation During Repair After Lung Injury in Mice. *American Journal of Respiratory Cell and Molecular Biology*, (ja). doi: <http://www.atsjournals.org/doi/abs/10.1165/rcmb.2017-0037MA>

Janssen, C. I. F., Jansen, D., Mutsaers, M. P. C., Dederen, P. J. W. C., Geenen, B., Mulder, M. T., & Kiliaan, A. J. (2016). The Effect of a High-Fat Diet on Brain Plasticity, Inflammation and Cognition in Female ApoE4-Knockin and ApoE-Knockout Mice. *Plos one*, 11(5), e0155307. doi: 10.1371/journal.pone.0155307. <http://dx.doi.org/10.1371%2Fjournal.pone.0155307>

Janssen, C. I. F., Zerbi, V., Mutsaers, M. P. C., Jochems, M., Vos, C. A., Vos, J. O., . . . Kiliaan, A. J. (2015). Effect of Perinatally Supplemented Flavonoids on Brain Structure, Circulation, Cognition, and Metabolism in C57BL/6J Mice. *Neurochemistry International*, (0). doi: <http://dx.doi.org/10.1016/j.neuint.2015.05.002>. <http://www.sciencedirect.com/science/article/pii/S0197018615000716>

Janssen, S. P., Gerard, S., Rajmakers, M. E., Truin, M., Van Kleef, M., & Joosten, E. A. (2011). Decreased intracellular GABA levels contribute to spinal cord stimulation-induced analgesia in rats suffering from painful peripheral neuropathy: the role of KCC2 and GABA_A receptor-mediated inhibition. *Neurochemistry International*. doi.

Janssen, S. P. M., Truin, M., Van Kleef, M., & Joosten, E. A. J. (2011). Differential GABAergic disinhibition during the development of painful peripheral neuropathy. *Neuroscience*. doi.

Jargalsaikhan, U., Nishimaru, H., Matsumoto, J., Takamura, Y., Nakamura, T., Hori, E., . . . Nishijo, H. (2016). Ingestion of dried-bonito broth (dashi) facilitates PV-parvalbumin-immunoreactive neurons in the brain, and affects emotional behaviors in mice. *Nutritional Neuroscience*, 1-16. doi: <http://www.tandfonline.com/doi/abs/10.1080/1028415X.2016.1208429>

Järlestedt, K., Rousset, C. I., Faiz, M., Wilhelmsson, U., Ståhlberg, A., Sourkova, H., . . . Pekny, M. (2010). Attenuation of reactive gliosis does not affect infarct volume in neonatal hypoxic-ischemic brain injury in mice. *PLoS ONE*, 5(4), e10397-e10397. doi.

Järlestedt, K., Rousset, C. I., Ståhlberg, A., Sourkova, H., Atkins, A. L., Thornton, C., . . . Pekna, M. (2013). Receptor for complement peptide C3a: a therapeutic target for neonatal hypoxic-ischemic brain injury. *FASEB Journal*. doi: 10.1096/fj.13-230011. <http://www.fasebj.org/content/early/2013/06/04/fj.13-230011.abstract>

Jarskog, L. F., Gilmore, J. H., Glantz, L. A., Gable, K. L., German, T. T., Tong, R. I., & Lieberman, J. A. (2006). Caspase-3 Activation in Rat Frontal Cortex Following Treatment with Typical and Atypical Antipsychotics. *Neuropsychopharmacology*. doi.

Jasmin, L., Janni, G., Moallem, T. M., Lappi, D. A., & Ohara, P. T. (2000). Schwann Cells Are Removed from the Spinal Cord after Effecting Recovery from Paraplegia. *Journal of Neuroscience*, 20(24), 9215-9223. doi: <http://www.jneurosci.org/cgi/content/abstract/20/24/9215>

Jasmin, L., Janni, G., Peter T, O., & Rabkin, S. D. (2000). CNS induced neurogenic cystitis is associated with bladder mast cell degranulation in the rat. *Journal of Urology*, 164(3), 852- 855. doi.

Jasmin, L., & Ohara, P. T. (2004). Anatomical Identification of Neurons Responsive to Nociceptive Stimuli. *Methods in Molecular Medicine*, 99, 167-188. doi.

Jasmin, L., & Ohara, P. T. (2004). Recurrent paraplegia after remyelination of the spinal cord. *Journal of Neuroscience Research*, 77(2), 277-284. doi.

Jasmin, L., Rabkin, S. D., Granato, A., Boudah, A., Ohara, P. T., & others. (2003). Analgesia and hyperalgesia from GABA-mediated modulation of the cerebral cortex. *Nature*, 424(6946), 316-320. doi.

Jassim, A. H., Coughlin, L., Harun-Or-Rashid, M., Kang, P. T., Chen, Y.-R., & Inman, D. M. (2019). Higher Reliance on Glycolysis Limits Glycolytic Responsiveness in Degenerating Glaucomatous Optic Nerve. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-019-1576-4. <https://doi.org/10.1007/s12035-019-1576-4>

Jassim, A. H., & Inman, D. M. (2019). Evidence of Hypoxic Glial Cells in a Model of Ocular Hypertension. *Investigative Ophthalmology and Visual Science*, 60(1), 1-15. doi: 10.1167/iovs.18-24977. <http://dx.doi.org/10.1167/iovs.18-24977>

Javier Miguel-Hidalgo, J., Paul, I. A., Wanzo, V., & Banerjee, P. K. (2012). Memantine prevents cognitive impairment and reduces Bcl-2 and caspase 8 immunoreactivity in rats injected with amyloid β 1-40. *European Journal of Pharmacology*, (0). doi: 10.1016/j.ejphar.2012.07.032. <http://www.sciencedirect.com/science/article/pii/S0014299912006279>

Jawhar, S., Trawicka, A., Jenneckens, C., Bayer, T. A., & Wirths, O. (2010). Motor deficits, neuron loss, and reduced anxiety coinciding with axonal degeneration and intraneuronal A β aggregation in the 5XFAD mouse model of Alzheimer's disease. *Neurobiology of Aging*. doi.

Jayasinghe, V. R., Flores-Barrera, E., West, A. R., & Tseng, K. Y. (2015). Frequency-Dependent Corticostriatal Disinhibition Resulting from Chronic Dopamine Depletion: Role of Local Striatal cGMP and GABA-AR Signaling. *Cerebral Cortex*. doi: 10.1093/cercor/bhv241. <http://cercor.oxfordjournals.org/content/early/2015/10/26/cercor.r.bhv241....>

Jayatissa, M. N., Bisgaard, C. F., West, M. J., & Wiborg, O. (2008). The number of granule cells in rat hippocampus is reduced after chronic mild stress and re-established after chronic escitalopram treatment. *Neuropharmacology*, 54(3), 530-541. doi.

Jayatissa, M. N., Henningsen, K., Nikolajsen, G., West, M. J., & Wiborg, O. (2009). A reduced number of hippocampal granule cells does not associate with an anhedonia-like phenotype in a rat chronic mild stress model of depression. *Stress*, 13(2), 95-105. doi.

Jayatissa, M. N., Henningsen, K., West, M. J., & Wiborg, O. (2009). Decreased cell proliferation in the dentate gyrus does not associate with development of anhedonic-like symptoms in rats. *Brain Research*, 1290, 133-141. doi.

Jazwa, A., Rojo, A. I., Innamorato, N. G., Hesse, M., Fernández-Ruiz, J., & Cuadrado, A. (2011). Pharmacological Targeting of the Transcription Factor Nrf2 at the Basal Ganglia Provides Disease Modifying Therapy for Experimental Parkinsonism. *Antioxidants and redox signaling*, 14(12), 2347-2360. doi.

Jefferson, S. C., Tester, N. J., & Howland, D. R. (2011). Chondroitinase ABC Promotes Recovery of Adaptive Limb Movements and Enhances Axonal Growth Caudal to a Spinal Hemisection. *Journal of Neuroscience*, 31(15), 5710-5720. doi: 10.1523/jneurosci.4459-10.2011. <http://www.jneurosci.org/content/31/15/5710.abstract>

Jenkins, B., Zhu, A., Poutiainen, P., Choi, J.-K., Kil, K.-E., Zhang, Z., . . . Brownell, A.-L. (2015). Functional modulation of G-protein coupled receptors during Parkinson disease-like neurodegeneration. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2015.11.010>. <http://www.sciencedirect.com/science/article/pii/S002839081530174X>

Jenkins, S., Harker, A., & Gibb, R. (2018). Maternal Preconception Stress Alters Prefrontal Cortex Development in Long-Evans Rat Pups without Changing Maternal Care. *Neuroscience*, 394, 98-108. doi: <https://doi.org/10.1016/j.neuroscience.2018.10.023>. <http://www.sciencedirect.com/science/article/pii/S0306452218306869>

Jensen, K. H., & Berg, R. W. (2017). Advances And Perspectives In Tissue Clearing Using CLARITY. *bioRxiv*, 144378. doi: <http://www.biorxiv.org/content/early/2017/06/02/144378>

Jensen, M. B., Yan, H., Krishnaney-Davison, R., Al Sawaf, A., & Zhang, S. C. (2011). Survival and Differentiation of Transplanted Neural Stem Cells Derived from Human Induced Pluripotent Stem Cells in A Rat Stroke Model. *Journal of Stroke and Cerebrovascular Diseases*. doi.

Jeong, H. K., Ji, K., Kim, B., Kim, J., Jou, I., & Joe, E. (2010). Inflammatory responses are not sufficient to cause delayed neuronal death in ATP-induced acute brain injury. *PLoS ONE*, 5(10), e13756-e13756. doi.

Jeong, H. K., Jou, I., & Joe, E. (2010). Systemic LPS administration induces brain inflammation but not dopaminergic neuronal death in the substantia nigra. *Experimental and Molecular Medicine*, 42(12), 823-823. doi.

Jeong, J. K., Terleph, T. A., Burrows, K., Tremere, L. A., & Pinaud, R. (2011). Expression and rapid experience-dependent regulation of type-A GABAergic receptors in the songbird auditory forebrain. *Developmental Neurobiology*, 71(10), 803-817. doi: 10.1002/dneu.20896. <http://dx.doi.org/10.1002/dneu.20896>

Jeong, S., Lei, B., Wang, H., Dawson, H. N., & James, M. L. (2014). Intravenous immunoglobulin G improves neurobehavioral and histological outcomes after traumatic brain injury in mice. *Journal of Neuroimmunology*, (0). doi: <http://dx.doi.org/10.1016/j.jneuroim.2014.08.626>. <http://www.sciencedirect.com/science/article/pii/S0165572814008753>

Jessberger, S., Clark, R. E., Broadbent, N. J., Clemenson Jr, G. D., Consiglio, A., Lie, D. C., . . . Gage, F. H. (2009). Dentate gyrus-specific knockdown of adult neurogenesis impairs spatial and object recognition memory in adult rats. *Learning and Memory*, 16(2), 147-154. doi.

Jessberger, S., Nakashima, K., Clemenson, G. D., Jr., Mejia, E., Mathews, E., Ure, K., . . . Hsieh, J. (2007). Epigenetic Modulation of Seizure-Induced Neurogenesis and Cognitive Decline.

Journal of Neuroscience, 27(22), 5967-5975. doi:
10.1523/jneurosci.0110-07.2007.
<http://www.jneurosci.org/cgi/content/abstract/27/22/5967>

Jevans, B., James, N. D., Burnside, E., McCann, C. J., Thapar, N., Bradbury, E. J., & Burns, A. J. (2021). Combined treatment with enteric neural stem cells and chondroitinase ABC reduces spinal cord lesion pathology. *Stem Cell Research & Therapy*, 12(1), 10. doi: 10.1186/s13287-020-02031-9. <https://doi.org/10.1186/s13287-020-02031-9>

Ji, J., Yan, H., Chen, Z.-Z., Zhao, Z., Yang, D.-D., Sun, X.-L., & Shi, Y.-P. (2015). Iptakalim protects against ischemic injury by improving neurovascular unit function in the mouse brain. *Clinical and Experimental Pharmacology and Physiology*, n/a-n/a. doi: 10.1111/1440-1681.12426. <http://dx.doi.org/10.1111/1440-1681.12426>

Ji, S., Kronenberg, G., Balkaya, M., Färber, K., Gertz, K., Kettenmann, H., & Endres, M. (2009). Acute neuroprotection by pioglitazone after mild brain ischemia without effect on long-term outcome. *Experimental Neurology*, 216(2), 321-328. doi.

Jia, X., Koenig, M. A., Shin, H. C., Zhen, G., Pardo, C. A., Hanley, D. F., . . . Geocadin, R. G. (2008). Improving neurological outcomes post-cardiac arrest in a rat model: immediate hypothermia and quantitative EEG monitoring. *Resuscitation*, 76(3), 431-442. doi.

Jian, B. J., Acernese, A. W., Lorenzo, J., Card, J. P., & Yates, B. J. (2005). Afferent pathways to the region of the vestibular nuclei that participates in cardiovascular and respiratory control. *Brain Research*, 1044(2), 241-250. doi.

Jiang, H., Kang, S.-U., Zhang, S., Karuppagounder, S., Xu, J., Lee, Y.-K., . . . Pletnikova, O. (2016). Adult Conditional Knockout of PGC-1 α Leads to Loss of Dopamine Neurons. *eneuro*, ENEURO. 0183-0116.2016. doi. <http://eneuro.org/content/early/2016/08/15/ENEURO.0183-16.2016.abstract>

Jiang, J.-y., Jia, F., yin, y., Gao, G., Wang, Y., & cen, l. (2014). MMP-9 Inhibitor SB-3CT Attenuates Behavioral Impairments and Hippocampal Loss after Traumatic Brain Injury in Rat. *Journal of Neurotrauma*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3230>

Jiang, W., Buchele, F., Papazoglou, A., Dobrossy, M., & Nikkhah, G. (2011). Multitract Microtransplantation Increases the Yield of DARPP-32-Positive Embryonic Striatal Cells in a Rodent Model of Huntington's Disease. *Cell Transplantation*, 20(10), 1515-1527. doi.

Jiang, W., Zhang, Y., Xiao, L., Van Cleemput, J., Ji, S.-P., Bai, G., & Zhang, X. (2005). Cannabinoids promote embryonic and adult hippocampus neurogenesis and produce anxiolytic- and antidepressant-like effects. *Journal of Clinical Investigation*, 115(11), 3104- 3116. doi: 10.1172/jci25509. <http://www.jci.org/cgi/content/abstract/115/11/3104>

Jiang, Y., & Brody, D. L. (2012). Administration of COG1410 Reduces Axonal Amyloid Precursor Protein Immunoreactivity and Microglial Activation after Controlled Cortical Impact in Mice. *Journal of Neurotrauma*, (ja). doi.

Jiang, Y., Cao, Z., Ma, H., Wang, G., Wang, X., Wang, Z., . . . Feng, T. (2018). Auricular Vagus Nerve Stimulation Exerts Antiinflammatory Effects and Immune Regulatory Function in a 6- OHDA Model of Parkinson's Disease. [journal article]. *Neurochemical Research*, 43(11), 2155- 2164. doi: 10.1007/s11064-018-2639-z. <https://doi.org/10.1007/s11064-018-2639-z>

Jiang, Y., Pun, R. Y. K., Peariso, K., Holland, K. D., Lian, Q., & Danzer, S. C. (2015). Olfactory Bulbectomy Leads to the Development of Epilepsy in Mice. *Plos one*, 10(9), e0138178. doi: 10.1371/journal.pone.0138178. <http://dx.doi.org/10.1371%2Fjournal.pone.0138178>

Jiang, Y.-Q., Armada, K., & Martin, J. H. (2019). Neuronal activity and microglial activation support corticospinal tract and proprioceptive afferent sprouting in spinal circuits after a corticospinal system lesion. *Experimental Neurology*, 113015. doi: <https://doi.org/10.1016/j.expneurol.2019.113015>.
<http://www.sciencedirect.com/science/article/pii/S0014488619301645>

Jiang, Y.-Q., Zaaïmi, B., & Martin, J. H. (2016). Competition with Primary Sensory Afferents Drives Remodeling of Corticospinal Axons in Mature Spinal Motor Circuits. *The Journal of Neuroscience*, 36(1), 193-203. doi: <http://www.jneurosci.org/content/36/1/193.short>

Jiao, X., Pang, K. C. H., Beck, K. D., Minor, T. R., & Servatius, R. J. (2011). Avoidance perseveration during extinction training in Wistar-Kyoto rats: An interaction of innate vulnerability and stressor intensity. *Behavioural Brain Research*. doi.

Jiao, Y., & Nadler, J. V. (2007). Stereological analysis of GluR2-immunoreactive hilar neurons in the pilocarpine model of temporal lobe epilepsy: correlation of cell loss with mossy fiber sprouting. *Experimental Neurology*, 205(2), 569-582. doi.

Jimenez-Ferrer, I., Jewett, M., Tontanahal, A., Romero-Ramos, M., & Swanberg, M. (2017). Allelic difference in Mhc2ta confers altered microglial activation and susceptibility to α - synuclein-induced dopaminergic neurodegeneration. *Neurobiology of Disease*, 106, 279- 290. doi: <https://doi.org/10.1016/j.nbd.2017.07.016>.
<http://www.sciencedirect.com/science/article/pii/S0969996117301687>

Jiménez-Sánchez, L., Blesa, J., Del Rey, N. L., Monje, M. H. G., Obeso, J. A., & Cavada, C. (2019). Serotonergic innervation of the striatum in a nonhuman primate model of Parkinson's disease. *Neuropharmacology*, 107806. doi: <https://doi.org/10.1016/j.neuropharm.2019.107806>. <http://www.sciencedirect.com/science/article/pii/S0028390819303685>

Jin, D., Ohlemiller, K. K., Lei, D., Dong, E., Role, L., Ryugo, D. K., & Bao, J. (2010). Age-related neuronal loss in the cochlea is not delayed by synaptic modulation. *Neurobiology of Aging*. doi.

Jin, H., Chen, T., Li, G., Wang, C., Zhang, B., Cao, X., . . . Chen, L. (2016). Dose-Dependent Neuroprotection and Neurotoxicity of Simvastatin through Reduction of Farnesyl Pyrophosphate in Mice Treated with Intracerebroventricular Injection of A β 1-42. *Journal of Alzheimer's Disease*, (Preprint), 1-16. doi: <http://content.iospress.com/articles/journal-of-alzheimers-disease/jad15...>

Jin, H., Pei, L., Shu, X., Yang, X., Yan, T., Wu, Y., . . . Lu, Y. (2014). Therapeutic Intervention of Learning and Memory Decays by Salidroside Stimulation of Neurogenesis in Aging. *Molecular Neurobiology*, 1-16. doi: 10.1007/s12035-014-9045-

6. <http://dx.doi.org/10.1007/s12035-014-9045-6>

Jin, J., Jing, H. J., Choi, G., Oh, M. S., Ryu, J. H., Jeong, J. W., . . . Park, C. (2008). Voluntary exercise increases the new cell formation in the hippocampus of ovariectomized mice. *Neuroscience Letters*, 439(3), 260-263. doi.

Jin, J., Kang, H. M., & Park, C. (2010). Voluntary exercise enhances survival and migration of neural progenitor cells after intracerebral haemorrhage in mice. *Brain Injury*, 24(3), 533-540. doi.

Jin, J., Meredith, G. E., Chen, L., Zhou, Y., Xu, J., Shie, F. S., . . . Zhang, J. (2005). Quantitative proteomic analysis of mitochondrial proteins: relevance to Lewy body formation and Parkinson's disease. *Molecular Brain Research*, 134(1), 119-138. doi.

Jin, T., Nicholls, F. J., Crum, W. R., Ghuman, H., Badylak, S. F., & Modo, M. (2017). Diamagnetic chemical exchange saturation transfer (diaCEST) affords magnetic resonance imaging of extracellular matrix hydrogel implantation in a rat model of stroke. *Biomaterials*, 113, 176- 190.

doi: <http://dx.doi.org/10.1016/j.biomaterials.2016.10.043>.

<http://www.sciencedirect.com/science/article/pii/S0142961216305944>

Jin, X., Liu, J., Yang, Y., Liu, K. J., Yang, Y., & Liu, W. (2012). Spatiotemporal evolution of blood brain barrier damage and tissue infarction within the first 3 h after ischemia onset.

Neurobiology of Disease, (o). doi:

10.1016/j.nbd.2012.07.007.

<http://www.sciencedirect.com/science/article/pii/S0969996112002483>

Jin, Y., Bouyer, J., Haas, C., & Fischer, I. (2014). Behavioral and anatomical consequences of repetitive mild thoracic spinal cord contusion injury in the rat. *Experimental Neurology*, 257(o), 57-69.

doi: <http://dx.doi.org/10.1016/j.expneurol.2014.04.016>. <http://www.sciencedirect.com/science/article/pii/S0014488614001186>

Jin, Y., Bouyer, J., Haas, C., & Fischer, I. (2015). Evaluation of the anatomical and functional consequences of repetitive mild cervical contusion using a model of spinal concussion. *Experimental Neurology*, 271(o), 175-188.

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.06.001>.

<http://www.sciencedirect.com/science/article/pii/S0014488615300121>

Jin, Y., Bouyer, J., Shumsky, J. S., Haas, C., & Fischer, I. (2016). Transplantation of neural progenitor cells in chronic spinal cord injury. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.01.066>.

<http://www.sciencedirect.com/science/article/pii/S0306452216001093>

Jin, Y., Neuhuber, B., Singh, A., Bouyer, J., Lepore, A., Bonner, J., . . . Fischer, I. (2011). Transplantation of human glial restricted progenitors and derived astrocytes into a contusion model of spinal cord injury. *Journal of Neurotrauma*, 28(4), 579-594. doi.

Jin, Y., Shi, K., Gao, X., Harris, T., Langenbach, S., Stewart, A., & Li, M. (2020). An Automated Quantitative Method to Analyze Immunohistochemistry and Immunocytochemistry Images. *Journal of Engineering and Science in Medical Diagnostics and Therapy*. doi: 10.1115/1.4048296. <https://doi.org/10.1115/1.4048296>

Jin, Y. N., Chen, P.-C., Watson, J. A., Walters, B. J., Phillips, S. E., Green, K., . . . Wilson, S. M. (2012). Usp14 Deficiency Increases Tau Phosphorylation without Altering Tau Degradation or Causing Tau-Dependent Deficits. *Plos one*, 7(10), e47884. doi: 10.1371/journal.pone.0047884. <http://dx.doi.org/10.1371%2Fjournal.pone.0047884>

Jing, X., Miwa, H., Sawada, T., Nakanishi, I., Kondo, T., Miyajima, M., & Sakaguchi, K. (2012). Ephrin-A1-Mediated Dopaminergic Neurogenesis and Angiogenesis in a Rat Model of Parkinson's Disease. *PLoS ONE*, 7(2), e32019-e32019. doi.

Jing, Z., Yang, L., Pan, X., Lin, N., & Chen, X. (2013). Increased VGAT and decreased phosphorylation of synapsin I in the rPOA is associated with decreased GnRH and cFos coexpression in middle-aged female mice. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12050. <http://dx.doi.org/10.1111/jne.12050>

Jinhua, H., Zhao, M., Shuangcheng, H., Yuanran, Z., Rui, N., Wei, L., . . . Jian, Y. (2017). Icaritin protects against glucocorticoid induced osteoporosis, increases the expression of the bone enhancer DEC1 and modulates the PI3K/Akt/GSK3 β / β -catenin integrated signaling pathway. *Biochemical Pharmacology*. doi: <http://doi.org/10.1016/j.bcp.2017.04.010>. <http://www.sciencedirect.com/science/article/pii/S0006295217301995>

Jinnou, H., Sawada, M., Kawase, K., Kaneko, N., Herranz-Pérez, V., Miyamoto, T., . . . Sawamoto, K. (2017). Radial Glial Fibers Promote Neuronal Migration and Functional Recovery after Neonatal Brain Injury. *Cell Stem Cell*, 22(1), 128-137.e129. doi: <https://doi.org/10.1016/j.stem.2017.11.005>. <https://www.sciencedirect.com/science/article/pii/S1934590917304575>

Jinnou, H., Sawada, M., Kawase, K., Kaneko, N., Herranz-Pérez, V., Miyamoto, T., . . . Sawamoto, K. (2018). Radial Glial Fibers Promote Neuronal Migration and Functional Recovery after Neonatal Brain Injury. *Cell Stem Cell*, 22(1), 128-137.e129. doi: 10.1016/j.stem.2017.11.005. <http://dx.doi.org/10.1016/j.stem.2017.11.005>

Jin-qiao, S., Bin, S., Wen-hao, Z., & Yi, Y. (2009). Basic fibroblast growth factor stimulates the proliferation and differentiation of neural stem cells in neonatal rats after ischemic brain injury. *Brain and Development*, 31(5), 331-340. doi.

Jiruska, P., Shtaya, A. B. Y., Bodansky, D. M. S., Chang, W.-C., Gray, W. P., & Jefferys, J. G. R. (2013). Dentate gyrus progenitor cell proliferation after the onset of spontaneous seizures in the tetanus toxin model of temporal lobe epilepsy. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.02.001>.
<http://www.sciencedirect.com/science/article/pii/S0969996113000636>

Jiyao, L., Defang, L., Bo, Z., Cunwei, J., Yunli, L., Jun, L., & Kai, L. (2020). Long non-coding RNA NEAT1 mediates MPTP/MPP+-induced apoptosis via regulating the miR-124/KLF4 axis in Parkinson's disease. *Open Life Sciences*, 15(1), 665-676. doi: <https://doi.org/10.1515/biol-2020-0069>.
<https://www.degruyter.com/view/journals/biol/15/1/article-p665.xml>

Jobe, E. M., Gao, Y., Eisinger, B. E., Mladucky, J. K., Giuliani, C. C., Kelnhofer, L. E., & Zhao, X. (2016). Methyl-CpG binding protein MBD1 regulates neuronal lineage commitment through maintaining adult neural stem cell identity. [10.1523/JNEUROSCI.1075-16.2016]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2016/12/05/JNEUROSCI.1075-16.2016>..

Joensuu, T., Tegelberg, S., Reinmaa, E., Segerstråle, M., Hakala, P., Pehkonen, H., . . . Lehesjoki, A.-E. (2014). Gene Expression Alterations in the Cerebellum and Granule Neurons of *Cstb*^{-/-} Mouse Are Associated with Early Synaptic Changes and Inflammation. *Plos one*, 9(2), e89321. doi: 10.1371/journal.pone.0089321. <http://dx.doi.org/10.1371%2Fjournal.pone.0089321>

Joers, V., Dilley, K., Rahman, S., Jones, C., Shultz, J., Simmons, H., & Emborg, M. E. (2014). Cardiac Sympathetic Denervation in 6-OHDA-Treated Nonhuman Primates. *Plos one*, 9(8), e104850. doi: 10.1371/journal.pone.0104850. <http://dx.doi.org/10.1371%2Fjournal.pone.0104850>

Joers, V., Masilamoni, G., Kempf, D., Weiss, A. R., Rotterman, T. M., Murray, B., . . . Tansey, M. G. (2020). Microglia, inflammation and gut microbiota responses in a progressive monkey model of Parkinson's disease: A case series. *Neurobiology of Disease*, 144, 105027. doi: <https://doi.org/10.1016/j.nbd.2020.105027>.
<http://www.sciencedirect.com/science/article/pii/S0969996120303028>

Johansen, J. A., Troxell, S. M., Yu, Z., Mo, K., Monks, D. A., Lieberman, A. P., . . . Jordan, C. L. (2011). Prenatal flutamide enhances survival in a myogenic mouse model of spinal bulbar muscular atrophy. *Neurodegener. Dis*, 8, 25-34. doi.

Johansen, J. A., Yu, Z., Mo, K., Monks, D. A., Lieberman, A. P., Breedlove, S. M., & Jordan, C. L. (2009). Recovery of function in a myogenic mouse model of spinal bulbar muscular atrophy. *Neurobiology of Disease*, 34(1), 113-120. doi.

Johansson, J., Mannerås-Holm, L., Shao, R., Olsson, A., Lönn, M., Billig, H., & Stener-Victorin, E. (2013). Electrical vs Manual Acupuncture Stimulation in a Rat Model of Polycystic Ovary Syndrome: Different Effects on Muscle and Fat Tissue Insulin Signaling. *Plos one*, 8(1), e54357. doi: 10.1371/journal.pone.0054357. <http://dx.doi.org/10.1371%2Fjournal.pone.0054357>

Johnson, F. K., Delpech, J.-C., Thompson, G. J., Wei, L., Hao, J., Herman, P., . . . Kaffman, A. (2018). Amygdala hyper-connectivity in a mouse model of unpredictable early life stress. *Translational Psychiatry*, 8(1), 49. doi: 10.1038/s41398-018-0092-z
z. <https://doi.org/10.1038/s41398-018-0092-z>

Johnson, M. L., Day, A. E., Ho, C. C., Walker, Q. D., Francis, R., & Kuhn, C. M. (2010). Androgen decreases dopamine neurone survival in rat midbrain. *Journal of Neuroendocrinology*, 22(4), 238-247. doi.

Johnson, M. L., Ho, C. C., Day, A. E., Walker, Q. D., Francis, R., & Kuhn, C. M. (2010). Oestrogen receptors enhance dopamine neurone survival in rat midbrain. *Journal of Neuroendocrinology*, 22(4), 226-237. doi.

Johnson, O. L., & Ouimet, C. C. (2006). A regulatory role for actin in dendritic spine proliferation. *Brain Research*, 1113(1), 1-9. doi.

Johnson, P. J., Tatara, A., McCreedy, D. A., Shiu, A., & Sakiyama-Elbert, S. E. (2010). Tissue- engineered fibrin scaffolds containing neural progenitors enhance functional recovery in a subacute model of SCI. *Soft matter*, 6(20), 5127-5137. doi.

Johnson, P. J., Tatara, A., Shiu, A., & Sakiyama-Elbert, S. E. (2010). Controlled release of neurotrophin-3 and platelet derived growth factor from fibrin scaffolds containing neural progenitor cells enhances survival and differentiation into neurons in a subacute model of SCI. *Cell Transplantation*, 19(1), 89-89. doi.

Johnson, R. T., Breedlove, S. M., & Jordan, C. L. (2008). Sex differences and laterality in astrocyte number and complexity in the adult rat medial amygdala. *Journal of Comparative Neurology*, 511(5), 599-609. doi.

Johnson, R. T., Schneider, A., DonCarlos, L. L., Breedlove, S. M., & Jordan, C. L. (2012). Astrocytes in the rat medial amygdala are responsive to adult androgens. *Journal of Comparative Neurology*. doi.

Johnson, S. A., Young, C., & Olney, J. W. (2008). Isoflurane-induced Neuroapoptosis in the Developing Brain of Nonhypoglycemic Mice. *Journal of Neurosurgical Anesthesiology*, 20(1), 21-28. doi.

Johnston, C. E., Herschel, D. J., Lasek, A. W., Hammer Jr, R. P., & Nikulina, E. M. (2015). Knockdown of ventral tegmental area mu-opioid receptors in rats prevents effects of social defeat stress: Implications for amphetamine cross-sensitization, social avoidance, weight regulation and expression of brain-derived neurotrophic factor. *Neuropharmacology*, 89(0), 325-334.

doi: <http://dx.doi.org/10.1016/j.neuropharm.2014.10.010>.

<http://www.sciencedirect.com/science/article/pii/S0028390814003748>

Johnston, L. C., Eberling, J., Pivrotto, P., Hadaczek, P., Federoff, H. J., Forsayeth, J., & Bankiewicz, K. S. (2009). Clinically relevant effects of convection-enhanced delivery of AAV2-GDNF on the dopaminergic nigrostriatal pathway in aged rhesus monkeys. *Human Gene Therapy*, 20(5), 497-510. doi.

Johnston, L. C., Su, X., Maguire-Zeiss, K., Horovitz, K., Ankoudinova, I., Guschin, D., . . . Forsayeth, J. (2008). Human Interleukin-10 Gene Transfer Is Protective in a Rat Model of Parkinson's Disease. *Molecular Therapy*. doi. <http://dx.doi.org/10.1038/mt.2008.113>

Johnstone, D. M., el Massri, N., Moro, C., Spana, S., Wang, X. S., Torres, N., . . . Mitrofanis, J. (2014). Indirect application of near infrared light induces neuroprotection in a mouse model of Parkinsonism – An abscopal neuroprotective effect. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.05.023>.
<http://www.sciencedirect.com/science/article/pii/S0306452214004151>

Johnstone, J. T., Morton, P. D., Jayakumar, A. R., Bracchi-Ricard, V., Runko, E., Liebl, D. J., . . . Bethea, J. R. (2013). Reduced extracellular zinc levels facilitate glutamate-mediated oligodendrocyte death after trauma. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23208. <http://dx.doi.org/10.1002/jnr.23208>

Johnstone, J. T., Morton, P. D., Jayakumar, A. R., Johnstone, A. L., Gao, H., Bracchi-Ricard, V., . . . Bethea, J. R. (2013). Inhibition of NADPH Oxidase Activation in Oligodendrocytes Reduces Cytotoxicity Following Trauma. *Plos one*, 8(11), e80975. doi: 10.1371/journal.pone.0080975. <http://dx.doi.org/10.1371%2Fjournal.pone.0080975>

Jokivarsi, K. T., Hiltunen, Y., Tuunanen, P. I., Kauppinen, R. A., & Gröhn, O. H. J. (2009). Correlating tissue outcome with quantitative multiparametric MRI of acute cerebral ischemia in rats. *Journal of Cerebral Blood Flow and Metabolism*, 30(2), 415-427. doi:

Jolival, C. G., Hurford, R., Lee, C. A., Dumaop, W., Rockenstein, E., & Masliah, E. (2010). Type 1 diabetes exaggerates features of Alzheimer's disease in APP transgenic mice. *Experimental Neurology*, 223(2), 422-431. doi:

Jones, D. C., Ding, X., & Daynes, R. A. (2002). Nuclear receptor peroxisome proliferator-activated receptor alpha (PPARalpha) is expressed in resting murine lymphocytes. The PPARalpha in T and B lymphocytes is both transactivation and transrepression competent. *Journal of Biological Chemistry*, 277. doi: 10.1074/jbc.M106908200. <http://dx.doi.org/10.1074/jbc.M106908200>

Jones, M. V., Nguyen, T. T., Deboy, C. A., Griffin, J. W., Whartenby, K. A., Kerr, D. A., & Calabresi, P. A. (2008). Behavioral and pathological outcomes in MOG 35-55 experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, 199(1), 83-93. doi:

Jones, M. V., Nguyen, T. T., Ewaleifoh, O., Lebson, L., Whartenby, K. A., Griffin, J. W., & Calabresi, P. A. (2013). Accelerated axon loss in MOG35-55 experimental autoimmune encephalomyelitis (EAE) in myelin-associated glycoprotein-deficient (MAGKO) mice. *Journal of Neuroimmunology*, (0). doi: <http://dx.doi.org/10.1016/j.jneuroim.2013.06.008>.
<http://www.sciencedirect.com/science/article/pii/S0165572813001677>

Jones, S., Stanić, D., & Dutschmann, M. (2015). Dorsal and ventral aspects of the most caudal medullary reticular formation have differential roles in modulation and formation of the respiratory motor pattern in rat. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-015-1165-x. <http://dx.doi.org/10.1007/s00429-015-1165-x>

Jongen-Relo, A. L., Leng, A., Lubert, M., Pothuizen, H. H. J., Weber, L., & Feldon, J. (2004). The prenatal methylazoxymethanol acetate treatment: a neurodevelopmental animal model for schizophrenia? *Behavioural Brain Research*, 149(2), 159-181. doi:

Jonsson, S., Wiberg, R., McGrath, A. M., Novikov, L. N., Wiberg, M., Novikova, L. N., & Kingham, P. J. (2013). Effect of Delayed Peripheral Nerve Repair on Nerve Regeneration, Schwann Cell Function and Target Muscle Recovery. *Plos one*, 8(2), e56484. doi: 10.1371/journal.pone.0056484. <http://dx.doi.org/10.1371%2Fjournal.pone.0056484>

Joosen, M. J. A., Jousma, E., van den Boom, T. M., Kuijpers, W. C., Smit, A. B., Lucassen, P. J., & van Helden, H. P. M. (2009). Long-term cognitive deficits accompanied by reduced neurogenesis after soman poisoning. *Neurotoxicology*, 30(1), 72-80. doi.

Jope, R. S., Yuskaitis, C. J., & Beurel, E. (2007). Glycogen synthase kinase-3 (GSK3): inflammation, diseases, and therapeutics. *Neurochemical Research*, 32. doi: 10.1007/s11064-006-9128-5. <http://dx.doi.org/10.1007/s11064-006-9128-5>

Jordão, J. F., Ayala-Grosso, C. A., Markham, K., Huang, Y., Chopra, R., McLaurin, J. A., . . . Aubert, I. (2010). Antibodies Targeted to the Brain with Image-Guided Focused Ultrasound Reduces Amyloid- β Plaque Load in the TgCRND8 Mouse Model of Alzheimer's Disease. *PLoS ONE*, 5(5), e10549-e10549. doi.

Jordão, J. F., Thévenot, E., Markham-Coultes, K., Scarcelli, T., Weng, Y.-Q., Xhima, K., . . . Aubert, I. (2013). Amyloid- β plaque reduction, endogenous antibody delivery and glial activation by brain-targeted, transcranial focused ultrasound. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.05.008>. <http://www.sciencedirect.com/science/article/pii/S0014488613001544>

Joseph, M., Anglada-Huguet, M., Paesler, K., Mandelkow, E., & Mandelkow, E.-M. (2017). Anti-aggresant tau mutant promotes neurogenesis. [journal article]. *Molecular Neurodegeneration*, 12(1), 88. doi: 10.1186/s13024-017-0230-8. <https://doi.org/10.1186/s13024-017-0230-8>

Joshi, Y., Sória, M. G., Quadrato, G., Inak, G., Zhou, L., Hervera, A., . . . Giovanni, S. D. (2015). The MDM4/MDM2-p53-IGF1 axis controls axonal regeneration, sprouting and functional recovery after CNS injury. [10.1093/brain/awv125]. *Brain*. doi. <http://brain.oxfordjournals.org/content/early/2015/05/15/brain.awv125.ab..>

Jourdain, V. A., Grégoire, L., Morissette, M., Morin, N., Parent, M., & Di Paolo, T. (2012). Potentiation of response to low doses of levodopa in MPTP-injected monkeys by chemical unilateral subthalamotomy. *Journal of Neurosurgery*, 0(0), 1-12. doi: 10.3171/2012.9.JNS12295. <http://thejns.org/doi/abs/10.3171/2012.9.JNS12295>

Joy, M. T., Ben Assayag, E., Shabashov-Stone, D., Liraz-Zaltsman, S., Mazzitelli, J., Arenas, M., . . . Carmichael, S. T. (2019). CCR5 Is a Therapeutic Target for Recovery after Stroke and Traumatic Brain Injury. *Cell*, 176(5), 1143-1157.e1113. doi: <https://doi.org/10.1016/j.cell.2019.01.044>. <http://www.sciencedirect.com/science/article/pii/S0092867419301072>

Joyce, M. K. P., García-Cabezas, M. Á., John, Y. J., & Barbas, H. (2020). Serial prefrontal pathways are positioned to balance cognition and emotion in primates. *The Journal of Neuroscience*, JN-RM-0860-0820. doi: 10.1523/jneurosci.0860-

20.2020. <http://www.jneurosci.org/content/early/2020/09/28/JNEUROSCI.0860-20.2020>...

Ju, M. S., Kim, H. G., Choi, J. G., Ryu, J. H., Hur, J., Kim, Y. J., & Oh, M. S. (2010). Cassiae semen, a seed of *Cassia obtusifolia*, has neuroprotective effects in Parkinson's disease models. *Food and Chemical Toxicology*, 48(8-9), 2037-2044. doi.

Juan, L.-W., Liao, C.-C., Lai, W.-S., Chang, C.-Y., Pei, J.-C., Wong, W.-R., . . . Lee, L.-J. (2013). Phenotypic characterization of C57BL/6J mice carrying the *Disc1* gene from the 129S6/SvEv strain. *Brain Structure and Function*, 1-15. doi: 10.1007/s00429-013-0577-0577-

8. <http://dx.doi.org/10.1007/s00429-013-0577-8>

Jukkola, P. I., Rogers, J. T., Kaspar, B. K., Weeber, E. J., & Nishijima, I. (2011). Secretin deficiency causes impairment in survival of neural progenitor cells in mice. *Human Molecular Genetics*. doi: 10.1093/hmg/ddq545. <http://hmg.oxfordjournals.org/content/early/2011/01/04/hmg.ddq545.abstract>

Jukkola, T., Lahti, L., Naserke, T., Wurst, W., & Partanen, J. (2006). FGF regulated gene- expression and neuronal differentiation in the developing midbrain-hindbrain region. *Developmental Biology*, 297(1), 141-157. doi.

Jung, A. E., Fitzsimons, H. L., Bland, R. J., During, M. J., & Young, D. (2008). HSP70 and constitutively active HSF1 mediate protection against CDCrel-1-mediated toxicity. *Molecular Therapy*, 16(6), 1048-1055. doi.

Jupp, B., Krstew, E., Dezsi, G., & Lawrence, A. J. (2010). Discrete cue-conditioned alcohol-seeking after protracted abstinence: pattern of neural activation and involvement of orexin1 receptors. *British Journal of Pharmacology*, no-no. doi: 10.1111/j.1476-5381.2010.01088.x. <http://dx.doi.org/10.1111/j.1476-5381.2010.01088.x>

Jupp, B., Williams, J., Binns, D., Hicks, R. J., Cardamone, L., Jones, N., . . . O'Brien, T. J. (2012). Hypometabolism precedes limbic atrophy and spontaneous recurrent seizures in a rat model of TLE. *Epilepsia*, no-no. doi: 10.1111/j.1528-1167.2012.03525.x. <http://dx.doi.org/10.1111/j.1528-1167.2012.03525.x>

Justice, N. J., Blount, A. L., Pelosi, E., Schlessinger, D., Vale, W., & Bilezikjian, L. M. (2011). Impaired FSH β Expression in the Pituitaries of *Foxl2* Mutant Animals. *Molecular Endocrinology*, 25(8), 1404-1415. doi.

K.G. B., G. M.-N., & H. G. (2016). Early life stress accelerates behavioral and neural maturation of the hippocampus in male mice. *Hormones and Behavior*. doi: <http://dx.doi.org/10.1016/j.yhbeh.2016.04.010>. <http://www.sciencedirect.com/science/article/pii/S0018506X15302038>

Ka'ntor, O., Temel, Y., Holzmann, C., Raber, K., Nguyen, H.-P., Cao, C., . . . Schmitz, C. (2006). Selective striatal neuron loss and alterations in behavior correlate with

impaired striatal function in Huntington's disease transgenic rats. *Neurobiology of Disease*, 22, 538-547. doi.

Kabadi, S. V., Stoica, B. A., Byrnes, K. R., Hanscom, M., Loane, D. J., & Faden, A. I. (2011). Selective CDK inhibitor limits neuroinflammation and progressive neurodegeneration after brain trauma. *Journal of Cerebral Blood Flow and Metabolism*, 32(1), 137-149. doi.

Kabadi, S. V., Stoica, B. A., Hanscom, M., Loane, D. J., Kharebava, G., Murray li, M. G., . . . Faden, A. I. (2011). CR8, a Selective and Potent CDK Inhibitor, Provides Neuroprotection in Experimental Traumatic Brain Injury. *Neurotherapeutics*, 1-17. doi.

Kabadi, S. V., Stoica, B. A., Loane, D. J., Luo, T., & Faden, A. I. (2014). CR8, a novel inhibitor of CDK, limits microglial activation, astrogliosis, neuronal loss, and neurologic dysfunction after experimental traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*. doi.
<http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2013228a.html>

Kachadroka, S., Hall, A. M., Niedzielko, T. L., Chongthammakun, S., & Floyd, C. L. (2010). Effect of Endogenous Androgens on 17 beta-Estradiol-Mediated Protection after Spinal Cord Injury in Male Rats. *Journal of Neurotrauma*, 27(3), 611-626. doi.

Kadam, S. D., Mulholland, J. D., McDonald, J. W., & Comi, A. M. (2008). Neurogenesis and neuronal commitment following ischemia in a new mouse model for neonatal stroke. *Brain Research*, 1208, 35-45. doi.

Kadowaki, T., Nakadate, K., Sakakibara, S., Hirata, K., & Ueda, S. (2007). Expression of Iba1 protein in microglial cells of zitter mutant rat. *Neuroscience Letters*, 411(1), 26-31. doi.

Kadoya, K., Lu, P., Nguyen, K., Lee-Kubli, C., Kumamaru, H., Yao, L., . . . Tuszynski, M. H. (2016). Spinal cord reconstitution with homologous neural grafts enables robust corticospinal regeneration. [Article]. *Nature Medicine*, advance online publication. doi: 10.1038/nm.4066

<http://www.nature.com/nm/journal/vaop/ncurrent/abs/nm.4066.html#suppleme>
.....<http://dx.doi.org/10.1038/nm.4066>

Kaestner, C. L., Smith, E. H., Peirce, S. G., & Hoover, D. B. (2019). Immunohistochemical analysis of the mouse celiac ganglion: An integrative relay station of the peripheral nervous system. *Journal of Comparative Neurology*, 0(ja). doi: 10.1002/cne.24705. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24705>

Kafetzopoulos, V., Kokras, N., Sotiropoulos, I., Oliveira, J. F., Leite-Almeida, H., Vasalou, A., . . . Dalla, C. (2017). The nucleus reuniens: a key node in the neurocircuitry of stress and depression. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2017.55. <http://dx.doi.org/10.1038/mp.2017.55>

Kaindlstorfer, C., Sommer, P., Georgievska, B., Mather, R. J., Kugler, A. R., Poewe, W., . . . Stefanova, N. (2015). Failure of Neuroprotection Despite Microglial Suppression by Delayed- Start Myeloperoxidase Inhibition in a Model of Advanced Multiple System Atrophy: Clinical Implications. *Neurotoxicity research*, 1-10. doi. <http://link.springer.com/article/10.1007/s12640-015-9547-7/fulltext.html>

Kaindlstorfer, C., Stefanova, N., Garcia, J., Krismer, F., Döbrössy, M., Göbel, G., . . . Wenning, G. K. (2019). L-dopa response pattern in a rat model of mild striatonigral degeneration. *Plos one*, 14(6), e0218130. doi: 10.1371/journal.pone.0218130. <https://doi.org/10.1371/journal.pone.0218130>

Kajimoto, K., Allan, A., & Cunningham, L. A. (2013). Fate Analysis of Adult Hippocampal Progenitors in a Murine Model of Fetal Alcohol Spectrum Disorder (FASD). *Plos one*, 8(9). doi: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3770701/>

Kajitani, K., Nomaru, H., Ifuku, M., Yutsudo, N., Dan, Y., Miura, T., . . . Nakabeppu, Y. (2008). Galectin-1 promotes basal and kainate-induced proliferation of neural progenitors in the dentate gyrus of adult mouse hippocampus. *Cell Death and Differentiation*, November 14. doi.

Kajiwarra, Y., McKenzie, A., Dorr, N., Gama Sosa, M. A., Elder, G., Schmeidler, J., . . . Buxbaum, J. D. (2016). The human-specific CASP4 gene contributes to Alzheimer-related synaptic and behavioral deficits. *Human Molecular Genetics*. doi: 10.1093/hmg/ddw265. <http://hmg.oxfordjournals.org/content/early/2016/08/11/hmg.dd.w265.abstract>

Kalambogias, J., Chen, C.-C., Khan, S., Son, T., Wercberger, R., Headlam, C., . . . Brumberg, J. C. (2019). Development and Sensory Experience Dependent Regulation of Microglia in Barrel Cortex. *Journal of Comparative Neurology*, o(ja). doi: 10.1002/cne.24771. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24771>

Kalanithi, P. S. A., Zheng, W., Kataoka, Y., DiFiglia, M., Grantz, H., Saper, C. B., . . . Vaccarino, F. M. (2005). Altered parvalbumin-positive neuron distribution in basal ganglia of individuals with Tourette syndrome. *Proceedings of the National Academy of Sciences*. doi: <http://www.Proceedings.org/cgi/content/abstract/0502624102v1>

Kalaycioglu, A., Ucuncu, Y., Altunkaynak, B. Z., Altunkaynak, M. E., Gundogdu, C., Keles, O. N., . . . Kaplan, S. (2011). Stereological Evaluation of the Kidneys of Anencephalic and Normal Fetuses. *Renal Failure*, 00), 1-8. doi.

Kalesnykas, G., Niittykoski, M., Rantala, J., Miettinen, R., Salminen, A., Kaarniranta, K., & Uusitalo, H. (2007). The expression of heat shock protein 27 in retinal ganglion and glial cells in a rat glaucoma model. *Neuroscience*, 150(3), 692-704. doi.

Kalesnykas, G., Oglesby, E. N., Zack, D. J., Cone, F. E., Steinhart, M. R., Tian, J., . . . Quigley, H. A. (2012). Retinal ganglion cell morphology after optic nerve crush and experimental glaucoma. *Investigative Ophthalmology and Visual Science*. doi.

Kalesnykas, G., Puolivali, J., Sirvio, J., & Miettinen, R. (2004). Cholinergic neurons in the basal forebrain of aged female mice. *Brain Research*, 1022(1-2), 148-156. doi.

Kalesnykas, G., Roschier, U., Puolivali, J., Wang, J., & Miettinen, R. (2005). The effect of aging on the subcellular distribution of estrogen receptor-alpha in the cholinergic neurons of transgenic and wild-type mice. *European Journal of Neuroscience*, 21(5), 1437-1442. doi:

doi:10.1111/j.1460-9568.2005.03953.x.
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.03953.x>

Kalesnykas, G., Tuulos, T., Uusitalo, H., & Jolkkonen, J. (2008). Neurodegeneration and cellular stress in the retina and optic nerve in rat cerebral ischemia and hypoperfusion models. *Neuroscience*, 155(3), 937-947. doi.

Kalidindi, A., Kelly, S. D., Singleton, K. S., Guzman, D., Merrill, L., Willard, S. L., . . . Neigh, G. N. (2016). Reduced marker of vascularization in the anterior hippocampus in a female monkey model of depression. *Physiology and Behavior*. doi: <http://dx.doi.org/10.1016/j.physbeh.2016.07.007>.
<http://www.sciencedirect.com/science/article/pii/S0031938416305303>

Kalifa, S., Polston, E. K., Allard, J. S., & Manaye, K. F. (2011). Distribution patterns of cannabinoid CB1 receptors in the hippocampus of APP swe/PS1 Δ g double transgenic mice. *Brain Research*, 1376, 94-100. doi.

Kälin, R. E., Cai, L., Li, Y., Zhao, D., Zhang, H., Cheng, J., . . . Glass, R. (2021). TAMEP are brain tumor parenchymal cells controlling neoplastic angiogenesis and progression. *Cell Systems*. doi: <https://doi.org/10.1016/j.cels.2021.01.002>.
<https://www.sciencedirect.com/science/article/pii/S2405471221000363>

Kalinchuk, A. V., McCarley, R. W., Stenberg, D., Porkka-Heiskanen, T., & Basheer, R. (2008). The role of cholinergic basal forebrain neurons in adenosine-mediated homeostatic control of sleep: lessons from 192 IgG-saporin lesions. *Neuroscience*, 157(1), 238-253. doi.

Kalinichev, M., Rosenblatt, J. S., Nakabeppu, Y., & Morrell, J. I. (2000). Induction of c-Fos-like and FosB-like immunoreactivity reveals forebrain neuronal populations involved differentially in pup-mediated maternal behavior in juvenile and adult rats. *Journal of Comparative Neurology*, 416(1), 45-78. doi.

Kalkan, Y., Kapakin, K. A. T., Kara, A., Atabay, T., Karadeniz, A., Simsek, N., . . . Ozkanlar, S. (2012). Protective effect of Panax ginseng against serum biochemical changes and apoptosis in kidney of rats treated with gentamicin sulphate. *Journal of molecular histology*, 1-11. doi.

Kallmünzer, B., Tauchi, M., Schlachetzki, J. C., Machold, K., Schmidt, A., Winkler, J., . . . Kollmar, R. (2014). Granulocyte colony-stimulating factor does not promote neurogenesis after experimental intracerebral haemorrhage. *International Journal of Stroke*, n/a-n/a. doi: 10.1111/ijss.12217. <http://dx.doi.org/10.1111/ijss.12217>

Kalm, M., Karlsson, N., Nilsson, M. K. L., & Blomgren, K. (2013). Loss of hippocampal neurogenesis, increased motor activity and impaired reversal learning one year after irradiation of the young mouse brain. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.01.006>. <http://www.sciencedirect.com/science/article/pii/S0014488613000198>

Kalm, M., Roughton, K., & Blomgren, K. (2013). Lipopolysaccharide sensitized male and female juvenile brains to ionizing radiation. *Cell death & disease*, 4(12), e962. doi: <http://www.nature.com/cddis/journal/v4/n12/abs/cddis2013482a.html>

Kamal, K., Keiter, J. A., Binyamin, T. R., de la Cruz Dapula, J. N., Vergara, A. R., Hawk, C. W., . . . Waldau, B. (2020). Mechanical injury and blood are drivers of spatial memory deficits after rapid intraventricular hemorrhage. *Neurobiology of Disease*, 145, 105084. doi: <https://doi.org/10.1016/j.nbd.2020.105084>.
<http://www.sciencedirect.com/science/article/pii/S0969996120303594>

Kampe, J., Wiedmer, P., Pfluger, P. T., Castaneda, T. R., Burget, L., Mondala, H., . . . others. (2006). Effect of central administration of QRFP (26) peptide on energy balance and characterization of a second QRFP receptor in rat. *Brain Research*, 1119(1), 133-149. doi:

Kanaan, N. M., Kordower, J. H., & Collier, T. J. (2007). Age-related accumulation of Marinesco bodies and lipofuscin in rhesus monkey midbrain dopamine neurons: Relevance to selective neuronal vulnerability. *Journal of Comparative Neurology*, 502(5), 683-700. doi:

Kanaan, N. M., Kordower, J. H., & Collier, T. J. (2010). Age-related changes in glial cells of dopamine midbrain subregions in rhesus monkeys. *Neurobiology of Aging*, 31(6), 937-952. doi:

Kanaya, M., Tsuda, M. C., Sagoshi, S., Nagata, K., Morimoto, C., Tha Thu, C. K., . . . Tsukahara, S. (2014). Regional Difference in Sex Steroid Action on Formation of Morphological Sex Differences in the Anteroventral Periventricular Nucleus and Principal Nucleus of the Bed Nucleus of the Stria Terminalis. *Plos one*, 9(11), e112616. doi: 10.1371/journal.pone.0112616. <http://dx.doi.org/10.1371%2Fjournal.pone.0112616>

Kanca, H., Karakas, K., Dalgic, M. A., Salar, S., & Izgur, H. (2014). Vaginal cytology after induction of ovulation in the queen: comparison of postoeustrus and dioeustrus. *Australian Veterinary Journal*, 92(3), 65-70. doi: 10.1111/avj.12146. <http://dx.doi.org/10.1111/avj.12146>

Kandasamy, M., Couillard-Despres, S., Raber, K. A., Stephan, M., Lehner, B., Winner, B., . . . others. (2010). Stem Cell Quiescence in the Hippocampal Neurogenic Niche Is Associated With Elevated Transforming Growth Factor-[beta] Signaling in an Animal Model of Huntington Disease. *Journal of Neuropathology and Experimental Neurology*, 69(7), 717-717. doi:

Kane, G. A., Vazey, E. M., Wilson, R. C., Shenhav, A., Daw, N. D., Aston-Jones, G., & Cohen, J. D. (2017). Increased locus coeruleus tonic activity causes disengagement from a patch- foraging task. [journal article]. *Cognitive, Affective, & Behavioral Neuroscience*. doi: 10.3758/s13415-017-0531-y. <https://doi.org/10.3758/s13415-017-0531-y>

Kaneshwaran, K., Olah, M., Tasaki, S., Yu, L., Bradshaw, E. M., Schneider, J. A., . . . Lim, A. S. P. (2019). Sleep fragmentation, microglial aging, and cognitive impairment in adults with and without Alzheimer's dementia. *Science Advances*, 5(12), eaax7331. doi: 10.1126/sciadv.aax7331. <https://advances.sciencemag.org/content/advances/5/12/eaax7331.full.pdf>

Kang, C. E., Poon, P. C., Tator, C. H., & Shoichet, M. S. (2008). A new paradigm for local and sustained release of therapeutic molecules to the injured spinal cord for neuroprotection and tissue repair. *Tissue Engineering Part A*, 15(3), 595-604. doi.

Kang, H. M., Jin, J., Lee, S., Ryu, J., & Park, C. (2010). A novel method for olfactory bulbectomy using photochemically induced lesion. *Neuroreport*, 21(3), 179-179. doi.

Kang, J., & Rivest, S. (2007). MyD88-deficient bone marrow cells accelerate onset and reduce survival in a mouse model of amyotrophic lateral sclerosis. *Journal of Cell Biology*, 179(6), 1219-1230. doi.

Kang, K.-H., Liou, H.-H., Hour, M.-J., Liou, H.-C., & Fu, W.-M. (2013). Protection of dopaminergic neurons by 5-lipoxygenase inhibitor. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.06.014>.
<http://www.sciencedirect.com/science/article/pii/S0028390813002827>

Kang, W. Y., Kim, S. S., Cho, S. K., Kim, S., Suh-Kim, H., & Lee, Y. D. (2010). Migratory defect of mesencephalic dopaminergic neurons in developing reeler mice. *Anatomy and Cell Biology*, 43(3), 241-241. doi.

Kanigel Winner, K., Steinkamp, M. P., Lee, R. J., Swat, M., Muller, C. Y., Moses, M. E., . . . Wilson, B. S. (2015). Spatial modeling of drug delivery routes for treatment of disseminated ovarian cancer. *Cancer Research*. doi: 10.1158/0008-5472.can-15-1620. <http://cancerres.aacrjournals.org/content/early/2015/12/30/0008-5472.CAN...>

Kannan, S., Dai, H., Navath, R. S., Balakrishnan, B., Jyoti, A., Janisse, J., . . . Kannan, R. M. (2012). Dendrimer-Based Postnatal Therapy for Neuroinflammation and Cerebral Palsy in a Rabbit Model. *Science translational medicine*, 4(130), 130ra146. doi: 10.1126/scitranslmed.3003162. <http://stm.sciencemag.org/content/4/130/130ra46.abstract>

Kannan, S., Saadani-Makki, F., Balakrishnan, B., Dai, H., Chakraborty, P. K., Janisse, J., . . . Chugani, D. C. (2010). Decreased cortical serotonin in neonatal rabbits exposed to endotoxin in utero. *Journal of Cerebral Blood Flow and Metabolism*, 31(2), 738-749. doi.

Kanno, H., Pressman, Y., Moody, A., Berg, R., Muir, E. M., Rogers, J. H., . . . Bunge, M. B. (2014). Combination of Engineered Schwann Cell Grafts to Secrete Neurotrophin and Chondroitinase Promotes Axonal Regeneration and Locomotion after Spinal Cord Injury. *The Journal of Neuroscience*, 34(5), 1838-1855. doi: <http://www.jneurosci.org/content/34/5/1838.short>

Kantarci, K., Yang, C., Schneider, J. A., Senjem, M. L., Reyes, D. A., Lowe, V. J., . . . others. (2010). Ante mortem amyloid imaging and [beta]-amyloid pathology in a case with dementia with Lewy bodies. *Neurobiology of Aging*. doi.

Kántor, O., Schmitz, C., Feiser, J., Brasnjevic, I., Korr, H., Busto, R., . . . Schmidt-Kastner, R. (2007). Moderate loss of cerebellar Purkinje cells after chronic bilateral common carotid artery occlusion in rats. *Acta Neuropathologica*, 113(5). doi.

Kapadia, R., Yi, J. H., & Vemuganti, R. (2008). Mechanisms of anti-inflammatory and neuroprotective actions of PPAR-gamma agonists. *Frontiers in Bioscience*, 13. doi: 10.2741/2802. <http://dx.doi.org/10.2741/2802>

Kapelouzou, A., Kontogiannis, C., Tsilimigras, D. I., Georgiopoulos, G., Kaklamanis, L., Tsourelis, L., & Cokkinos, D. V. (2019). Differential expression patterns of Toll Like Receptors and Interleukin-37 between calcific aortic and mitral valve cusps in humans. *Cytokine*, 116, 150-160. doi: <https://doi.org/10.1016/j.cyto.2019.01.009>. <http://www.sciencedirect.com/science/article/pii/S1043466619300274>

Kapgal, V., Prem, N., Hegde, P., Laxmi, T. R., & Kutty, B. M. (2016). Long term exposure to combination paradigm of environmental enrichment, physical exercise and diet reverses the spatial memory deficits and restores hippocampal neurogenesis in ventral subicular lesioned rats. *Neurobiology of Learning and Memory*, 130, 61-70. doi: <http://dx.doi.org/10.1016/j.nlm.2016.01.013>. <http://www.sciencedirect.com/science/article/pii/S1074742716000320>

Kaplan, S., Onger, M. E., Altunkaynak, B. Z., Elibol, E., Deniz, O. G., Karayığit, M. Ö., . . . Ragbetli, M. Ç. (2018). Effects of spermine and the passive avoidance learning (PAL) following cerebral ischemia in chicks: Association with neuroprotection of pyramidal cells. *Journal of Chemical Neuroanatomy*, 88(Supplement C), 41-45. doi: <https://doi.org/10.1016/j.jchemneu.2017.11.006>. <http://www.sciencedirect.com/science/article/pii/S0891061817300741>

Kappes, L., Amer, R. L., Sommerlatte, S., Bashir, G., Plattfaut, C., Gieseler, F., . . . Cabral- Marques, O. (2020). Ambrisentan, an endothelin receptor type A-selective antagonist, inhibits cancer cell migration, invasion, and metastasis. *Scientific Reports*, 10(1), 15931. doi: 10.1038/s41598-020-72960-1. <https://doi.org/10.1038/s41598-020-72960-1>

Kara, A., Unal, D., Simsek, N., Yucel, A., Yucel, N., & Selli, J. (2014). Ultra-structural changes and apoptotic activity in cerebellum of post-menopausal-diabetic rats: a histochemical and ultra-structural study. *Gynecological Endocrinology*, 0(0), 1-6. doi: 10.3109/09513590.2013.864270. <http://informahealthcare.com/doi/abs/10.3109/09513590.2013.864270>

Karabiyikoglu, M., Han, H. S., Yenari, M. A., & Steinberg, G. K. (2003). Attenuation of nitric oxide synthase isoform expression by mild hypothermia after focal cerebral ischemia: variations depending on timing of cooling. *Journal of Neurosurgery*, 98(6), 1271-1276. doi: 10.3171/JNS.2003.98.6.1271

Karaçay, B., Li, S., & Bonthius, D. J. (2008). Maturation-Dependent Alcohol Resistance in the Developing Mouse: Cerebellar Neuronal Loss and Gene Expression During Alcohol- Vulnerable and-Resistant Periods. *Alcoholism: Clinical and Experimental Research*, 32(8), 1439-1450. doi: 10.1093/alcal/kfn143

Karacay, B., Mahoney, J., Plume, J., & Bonthius, D. J. (2015). Genetic absence of nNOS worsens fetal alcohol effects in mice. II: microencephaly and neuronal losses. *Alcoholism, Clinical and Experimental Research*, 39. doi: 10.1111/acer.12615. <http://dx.doi.org/10.1111/acer.12615>

Karádi, K., Janszky, J., Gyimesi, C., Horváth, Z., Lucza, T., Dóczi, T., . . . Ábrahám, H. (2012). Correlation between calbindin expression in granule cells of the resected hippocampal dentate gyrus and verbal memory in temporal lobe epilepsy. *Epilepsy and Behavior*, (0). doi: 10.1016/j.yebeh.2012.06.007.
http://www.sciencedirect.com/science/article/pii/S15255050_12004374

Karadimas, S. K., Laliberte, A. M., Tetreault, L., Chung, Y. S., Arnold, P., Foltz, W. D., & Fehlings, M. G. (2015). Riluzole blocks perioperative ischemia-reperfusion injury and enhances postdecompression outcomes in cervical spondylotic myelopathy. [10.1126/scitranslmed.aac6524]. *Science translational medicine*, 7(316), 316ra194-316ra194. doi: <http://stm.sciencemag.org/content/7/316/316ra194.abstract>

Karadimas, S. K., Moon, E. S., Yu, W.-R., Satkunendrarajah, K., Kallitsis, J. K., Gatzounis, G., & Fehlings, M. G. (2013). A novel experimental model of cervical spondylotic myelopathy (CSM) to facilitate translational research. *Neurobiology of Disease*, 54(0), 43-58. doi: <http://dx.doi.org/10.1016/j.nbd.2013.02.013>.
<http://www.sciencedirect.com/science/article/pii/S0969996113000752>

Karaduman, D., Eren, B., & Keles, O. N. (2010). The protective effect of beta-1, 3-D-glucan on taxol-induced hepatotoxicity: a histopathological and stereological study. *Drug and Chemical Toxicology*, 33(1), 8-16. doi.

Karadurmus, D., Rial, D., De Backer, J.-F., Communi, D., de Kerchove, d., Exaerde, A., & Schiffmann, S. N. (2019). GPRIN-3 controls neuronal excitability, morphology and striatal- dependent behaviors in the indirect pathway of the striatum. *The Journal of Neuroscience*, 2454-2418. doi: 10.1523/jneurosci.2454-18.2019. <http://www.jneurosci.org/content/early/2019/07/29/JNEUROSCI.2454-18.2019...>

Karakatsani, M. E., Wang, S., Samiotaki, G., Kugelman, T., Olumolade, O. O., Acosta, C., . . . Konofagou, E. (2019). Amelioration of the nigrostriatal pathway facilitated by ultrasound-mediated neurotrophic delivery in early Parkinson's disease. *Journal of Controlled Release*. doi: <https://doi.org/10.1016/j.jconrel.2019.03.030>.
<http://www.sciencedirect.com/science/article/pii/S0168365919301907>

Karakoyun, B., Uslu, U., Ercan, F., Aydin, M. S., Yuksel, M., Ogunc, A. V., & Alican, I. (2011). The effect of phosphodiesterase-5 inhibition by sildenafil citrate on inflammation and apoptosis in rat experimental colitis. *Life Sciences*. doi.

Karamita, M., Barnum, C., Möbius, W., Tansey, M. G., Szymkowski, D. E., Lassmann, H., & Probert, L. (2017). Therapeutic inhibition of soluble brain TNF promotes remyelination by increasing myelin phagocytosis by microglia. *JCI Insight*, 2(8). doi: 10.1172/jci.insight.87455. <https://doi.org/10.1172/jci.insight.87455>

Karampetsou, M., Ardah, M. T., Semitekolou, M., Polissidis, A., Samiotaki, M., Kalomoiri, M., . . . Vekrellis, K. (2017). Phosphorylated exogenous alpha-synuclein fibrils exacerbate pathology and induce neuronal dysfunction in mice. *Scientific Reports*, 7(1), 16533. doi: 10.1038/s41598-017-15813-8. <https://doi.org/10.1038/s41598-017-15813-8>

Karao lan, E. S., Albayrak, A., Kutlu, Z., & Bayır, Y. (2018). Gastroprotective and antioxidant effects of *Eremurus spectabilis* Bieb. methanol extract and its isolated component isoorientin on indomethacin induced gastric ulcers in rats. *Acta Cirurgica Brasileira*, 33, 609- 618. doi: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-86502018000...

Karasawa, M., Yokouchi, K., Kawagishi, K., Moriizumi, T., & Fukushima, N. (2018). Effects of various lengths of hypoglossal nerve resection on motoneuron survival. *Journal of Clinical Neuroscience*. doi: <https://doi.org/10.1016/j.jocn.2018.11.020>. <http://www.sciencedirect.com/science/article/pii/S0967586818312876>

Karasinska, J. M., de Haan, W., Franciosi, S., Ruddle, P., Fan, J., Kruit, J. K., . . . Hayden, M. R. (2013). ABCA1 influences neuroinflammation and neuronal death. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.01.018>. <http://www.sciencedirect.com/science/article/pii/S0969996113000429>

Karhunen, H., Bezvenyuk, Z., Nissinen, J., Sivenius, J., Jolkkonen, J., & Pitkäräinen, A. (2007). Epileptogenesis after cortical photothrombotic brain lesion in rats. *Neuroscience*, 148(1), 314-324. doi.

Karikari, A. A., Koprach, J. B., & Ip, C. W. (2019). Generation and Analysis of Viral Vector- Mediated Rodent Models for Parkinson's Disease. In T. Bartels (Ed.), *Alpha-Synuclein: Methods and Protocols* (pp. 271-286). New York, NY: Springer New York.

Karimi-Abdolrezaee, S., Eftekharpour, E., Wang, J., Schut, D., & Fehlings, M. G. (2012). Synergistic Effects of Transplanted Adult Neural Stem/Progenitor Cells, Chondroitinase, and Growth Factors Promote Functional Repair and Plasticity of the Chronically Injured Spinal Cord. *Journal of Neuroscience*, 30(5), 1657-1676. doi: 10.1523/jneurosci.3111-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/5/1657>

Karlsson, L., González-Alvarado, M. N., Larrosa-Flor, M., Osman, A., Börjesson, M., Blomgren, K., & Kuhn, H. G. (2018). Constitutive PGC-1 α Overexpression in Skeletal Muscle Does Not Improve Morphological Outcome in Mouse Models of Brain Irradiation or Cortical Stroke. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.05.036>. <https://www.sciencedirect.com/science/article/pii/S0306452218303865>

Karlsson, L., González-Alvarado, M. N., Motalleb, R., Wang, Y., Wang, Y., Börjesson, M., . . . Kuhn, H.-G. (2020). Constitutive PGC-1 α Overexpression in Skeletal Muscle Does Not Contribute to Exercise-Induced Neurogenesis. *Molecular Neurobiology*. doi: 10.1007/s12035-020-02189-6. <https://doi.org/10.1007/s12035-020-02189-6>

Karuppagounder, S. S., Xiong, Y., Lee, Y., Lawless, M. C., Kim, D., Nordquist, E., . . . Dawson, V. L. (2016). LRRK2 G2019S Transgenic Mice Display Increased Susceptibility to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-Mediated Neurotoxicity. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2016.01.007>. <http://www.sciencedirect.com/science/article/pii/S0891061815300387>

Kataoka, Y., Kalanithi, P. S. A., Grantz, H., Schwartz, M. L., Saper, C., Leckman, J. F., & Vaccarino, F. M. (2010). Decreased number of parvalbumin and cholinergic interneurons in the striatum of individuals with Tourette syndrome. *Journal of Comparative Neurology*, 518(3), 277-291. doi.

Katic, J., Loers, G., Kleene, R., Karl, N., Schmidt, C., Buck, F., . . . Schachner, M. (2014). Interaction of the Cell Adhesion Molecule CHL1 with Vitronectin, Integrins, and the Plasminogen Activator Inhibitor-2 Promotes CHL1-Induced Neurite Outgrowth and Neuronal Migration. *The Journal of Neuroscience*, 34(44), 14606-14623. doi. <http://www.jneurosci.org/content/34/44/14606.short>

Kato, J., Yamada, T., Kawaguchi, H., Matsuda, K., & Higo, N. (2020). Functional near-infrared- spectroscopy-based measurement of changes in cortical activity in macaques during post- infarct recovery of manual dexterity. *Scientific Reports*, 10(1), 6458. doi: 10.1038/s41598-020- 63617-0. <https://doi.org/10.1038/s41598-020-63617-0>

Kato, S., Sugawara, M., Kobayashi, K., Kimura, K., Inoue, K.-i., Takada, M., & Kobayashi, K. (2019). Enhancement of the transduction efficiency of a lentiviral vector for neuron-specific retrograde gene delivery through the point mutation of fusion glycoprotein type E. *Journal of Neuroscience Methods*, 311, 147-155. doi: <https://doi.org/10.1016/j.jneumeth.2018.10.023>. <http://www.sciencedirect.com/science/article/pii/S0165027018303376>

Kato, Y., Kaneko, N., Sawada, M., Ito, K., Arakawa, S., Murakami, S., & Sawamoto, K. (2012). A Subtype-Specific Critical Period for Neurogenesis in the Postnatal Development of Mouse Olfactory Glomeruli. *Plos one*, 7(11), e48431. doi: 10.1371/journal.pone.0048431. <http://dx.doi.org/10.1371%2Fjournal.pone.0048431>

Katsman, D., Zheng, J., Spinelli, K., & Carmichael, S. T. (2003). Tissue Microenvironments Within Functional Cortical Subdivisions Adjacent to Focal Stroke. *Journal of Cerebral Blood Flow and Metabolism*, 23, 997-10009. doi.

Kaufer, D., Ogle, W. O., Pincus, Z. S., Clark, K. L., Nicholas, A. C., Dinkel, K. M., . . . Sapolsky, R. M. (2004). Restructuring the neuronal stress response with anti-glucocorticoid gene delivery. *Nature of Neuroscience*, 7(9), 947-953. doi.

Kaufling, J., Girard, D., Maitre, M., Leste-Lasserre, T., & Georges, F. (2017). Species-specific diversity in the anatomical and physiological organization of the BNST-VTA pathway. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.13554. <http://dx.doi.org/10.1111/ejn.13554>

Kaufman, J. A., Paul, L. K., Manaye, K. F., Granstedt, A. E., Hof, P. R., Hakeem, A. Y., & Allman, J. M. (2008). Selective reduction of Von Economo neuron number in agenesis of the corpus callosum. *Acta Neuropathologica*, 116(5), 479-489. doi.

Kaunzner, U. W., Miller, M. M., Gottfried-Blackmore, A., Gal-Toth, J., Felger, J. C., McEwen, B. S., & Bulloch, K. (2010). Accumulation of resident and peripheral dendritic cells in the aging CNS. *Neurobiology of Aging*. doi.

Kaur, C., Pal, I., Saini, S., Jacob, T. G., Nag, T. C., Thakar, A., . . . Roy, T. S. (2017). Comparison of unbiased stereological estimation of total number of cresyl violet stained neurons and parvalbumin positive neurons in the adult human spiral ganglion. *Journal of Chemical Neuroanatomy*.

doi: <https://doi.org/10.1016/j.jchemneu.2017.06.004>.

<http://www.sciencedirect.com/science/article/pii/S0891061817300376>

Kaur, C., Saini, S., Pal, I., Kumar, P., Chandra Sati, H., Jacob, T. G., . . . Roy, T. S. (2020). Age-related changes in the number of cresyl-violet-stained, parvalbumin and NMDAR 2B expressing neurons in the human spiral ganglion. *Hearing Research*, 107883.

doi: <https://doi.org/10.1016/j.heares.2020.107883>.

<http://www.sciencedirect.com/science/article/pii/S0378595519304939>

Kawagishi, K., Ando, M., Yokouchi, K., Sumitomo, N., Karasawa, M., Fukushima, N., & Moriizumi, T. (2014). Stereological Estimation of Olfactory Receptor Neurons in Rats. *Chemical Senses*. doi: 10.1093/chemse/bju062.

<http://chemse.oxfordjournals.org/content/early/2014/12/22/chemse.bju062....>

Kawagishi, K., Ando, M., Yokouchi, K., Sumitomo, N., Karasawa, M., Fukushima, N., & Moriizumi, T. (2014). Stereological Quantification Of Olfactory Receptor Neurons In Mice. *Neuroscience*. doi.

<http://www.sciencedirect.com/science/article/pii/S0306452214003625>

Kawamoto, M., Udagawa, J., Hashimoto, R., Matsumoto, A., Yamada, M., Nimura, M., & Otani, H. (2011). Adrenocorticotrophic tumor cells transplanted into mouse embryos affect pancreatic histogenesis. *Congenital Anomalies*, 51(2), 62-69. doi:

10.1111/j.1741- 4520.2010.00313.x. [http://dx.doi.org/10.1111/j.1741-](http://dx.doi.org/10.1111/j.1741-4520.2010.00313.x)

[4520.2010.00313.x](http://dx.doi.org/10.1111/j.1741-4520.2010.00313.x)

Kawamura, T., Chen, J., Takahashi, T., Ichitani, Y., & Nakahara, D. (2006). Prenatal stress suppresses cell proliferation in the early developing brain. *Neuroreport*, 17(14), 1515-1515. doi.

Kayabasoglu, G., Ozbek, E., Yanar, S., Sahin, F., Keles, O., Yilmaz, M., & Guven, M. (2014). The comparison of the viability of crushed, morselized and diced cartilage grafts: a confocal microscopic study. *European Archives of Oto-Rhino-Laryngology*, 1-8. doi:

10.1007/s00405- 014-3192-2. <http://dx.doi.org/10.1007/s00405-014-3192-2>

Ke, Z., Liu, Y., Wang, X., Fan, Z., Chen, G., Xu, M., . . . Luo, J. (2011). Cyanidin-3-glucoside ameliorates ethanol neurotoxicity in the developing brain. *Journal of Neuroscience Research*, 89(10), 1676-1684. doi: 10.1002/jnr.22689.

<http://dx.doi.org/10.1002/jnr.22689>

Keber, U., Klietz, M., Carlsson, T., Oertel, W. H., Weihe, E., Schäfer, M. K. H., . . . Depboylu, C. (2015). Striatal tyrosine hydroxylase-positive neurons are associated with l-DOPA-induced dyskinesia in hemiparkinsonian mice. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.04.021>.

<http://www.sciencedirect.com/science/article/pii/S0306452215003620>

Keck, M., van Dijk, R. M., Deeg, C. A., Kistler, K., Walker, A., von Rüden, E.-L., . . . Potschka, H. (2018). Proteomic profiling of epileptogenesis in a rat model: Focus on cell stress,

extracellular matrix and angiogenesis. *Neurobiology of Disease*, 112, 119-135.

doi: <https://doi.org/10.1016/j.nbd.2018.01.013>.

<http://www.sciencedirect.com/science/article/pii/S0969996118300196>

Keeley, R. J., Burger, D. K., Saucier, D. M., & Iwaniuk, A. N. (2015). The size of non-hippocampal brain regions varies by season and sex in Richardson's ground squirrel. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.12.077>. <http://www.sciencedirect.com/science/article/pii/S0306452215000524>

Keeley, R. J., Bye, C., Trow, J., & McDonald, R. J. (2014). Part I: Strain and sex differences in brain and behaviour of adult rats: Learning and memory, anxiety and volumetric estimates. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2014.10.039>.

<http://www.sciencedirect.com/science/article/pii/S0166432814007049>

Keeley, R. J., Trow, J., Bye, C., & McDonald, R. J. (2015). Part II: Strain- and sex-specific effects of adolescent exposure to THC on adult brain and behaviour: Variants of learning, anxiety and volumetric estimates. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2015.01.001>.

<http://www.sciencedirect.com/science/article/pii/S0166432815000054>

Keeley, R. J., Trow, J., & McDonald, R. J. (2015). Strain and sex differences in puberty onset and the effects of THC administration on weight gain and brain volumes.

Neuroscience. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.07.024>.

<http://www.sciencedirect.com/science/article/pii/S0306452215006387>

Keeley, R. J., Tyndall, A. V., Scott, G. A., & Saucier, D. M. (2013). Sex Difference in Cue Strategy in a Modified Version of the Morris Water Task: Correlations between Brain and Behaviour. *Plos one*, 8(7), e69727. doi:

10.1371/journal.pone.0069727. <http://dx.doi.org/10.1371/journal.pone.0069727>

Keene, C. D., Chang, R. C., Lopez-Yglesias, A. H., Shalloway, B. R., Sokal, I., Li, X., . . . Montine, T. J. (2010). Suppressed Accumulation of Cerebral Amyloid β Peptides in Aged Transgenic Alzheimer's Disease Mice by Transplantation with Wild-Type or Prostaglandin E2 Receptor Subtype 2-Null Bone Marrow. *American Journal of Pathology*, 177(1), 346-354. doi:

10.2353/ajpath.2010.090840. <http://ajp.amjpathol.org/cgi/content/abstract/177/1/346>

Keene, C. S., & Bucci, D. J. (2008). Contributions of the retrosplenial and posterior parietal cortices to cue-specific and contextual fear conditioning. *Behavioral Neuroscience*, 122(1), 89-89. doi.

Keene, C. S., & Bucci, D. J. (2008). Involvement of the retrosplenial cortex in processing multiple conditioned stimuli. *Behavioral Neuroscience*, 122(3), 651-651. doi.

Keene, C. S., & Bucci, D. J. (2008). Neurotoxic lesions of retrosplenial cortex disrupt signaled and unsignaled contextual fear conditioning. *Behavioral Neuroscience*, 122(5), 1070-1070. doi.

Keene, C. S., & Bucci, D. J. (2009). Damage to the retrosplenial cortex produces specific impairments in spatial working memory. *Neurobiology of Learning and Memory*, 91(4), 408-414. doi.

Keiner, S., Niv, F., Neumann, S., Steinbach, T., Schmeer, C., Hornung, K., . . . Redecker, C. (2017). Effect of skilled reaching training and enriched environment on generation of oligodendrocytes in the adult sensorimotor cortex and corpus callosum. [journal article]. *BMC Neuroscience*, 18(1), 31. doi: 10.1186/s12868-017-0347-

2. <http://dx.doi.org/10.1186/s12868-017-0347-2>

Keiner, S., Witte, O. W., & Redecker, C. (2009). Immunocytochemical detection of newly generated neurons in the perilesional area of cortical infarcts after intraventricular application of brain-derived neurotrophic factor. *Journal of Neuropathology and Experimental Neurology*, 68(1), 83-83. doi.

Keiner, S., Wurm, F., Kunze, A., Witte, O. W., & Redecker, C. (2008). Rehabilitative therapies differentially alter proliferation and survival of glial cell populations in the perilesional zone of cortical infarcts. *Glia*, 56(5), 516-527. doi.

Keleş, A. İ. (2020). Morphological changes in the vertebrae and central canal of rat pups born after exposure to the electromagnetic field of pregnant rats. *Acta Histochemica*, 122(8), 151652.

doi: <https://doi.org/10.1016/j.acthis.2020.151652>.

<http://www.sciencedirect.com/science/article/pii/S0065128120301513>

Kellendonk, C., Simpson, E. H., Polan, H. J., Malleret, G., Vronskaya, S., Winiger, V., . . . Kandel, E. R. (2006). Transient and selective overexpression of dopamine D2 receptors in the striatum causes persistent abnormalities in prefrontal cortex functioning. *Neuron*, 49(4), 603- 615. doi.

Keller, A., Gravel, M., & Kriz, J. (2011). Treatment with minocycline after disease onset alters astrocyte reactivity and increases microgliosis in SOD1 mutant mice. *Experimental Neurology*, 228(1), 69-79. doi.

Keller, M., Enot, D. P., Hodson, M. P., Igwe, E. I., Deigner, H. P., Dean, J., . . . Mallard, C. (2011). Inflammatory-Induced Hibernation in the Fetus: Priming of Fetal Sheep Metabolism Correlates with Developmental Brain Injury. *PLoS ONE*, 6(12), e29503-e29503. doi.

Kelley, C. M., Perez, S. E., Overk, C. R., Wynick, D., & Mufson, E. J. (2011). Effect of Neocortical and Hippocampal Amyloid Deposition upon Galaninergic and Cholinergic Neurites in A β

PPsw/PS1 Δ Eg Mice. *Journal of Alzheimer's Disease*, 25(3), 491-504. doi.

Kelley, C. M., Powers, B. E., Velazquez, R., Ash, J. A., Ginsberg, S. D., Strupp, B. J., & Mufson, E. J. (2013). Maternal choline supplementation differentially alters the basal forebrain cholinergic system of young-adult Ts65Dn and disomic mice. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23492.

<http://dx.doi.org/10.1002/cne.23492>

Kelley, C. M., Powers, B. E., Velazquez, R., Ash, J. A., Ginsberg, S. D., Strupp, B. J., & Mufson, E. J. (2013). Sex differences in THE cholinergic basal forebrain in the Ts65Dn mouse model of Down syndrome and Alzheimer's disease. *Brain Pathology*, n/a-n/a. doi: 10.1111/bpa.12073. <http://dx.doi.org/10.1111/bpa.12073>

Kells, A. P., & Connor, B. (2008). AAV-mediated expression of Bcl-x< sub>L</sub> or XIAP fails to induce neuronal resistance against quinolinic acid-induced striatal lesioning. *Neuroscience Letters*, 436(3), 326-330. doi.

Kells, A. P., Henry, R. A., & Connor, B. (2008). AAV-BDNF mediated attenuation of quinolinic acid-induced neuropathology and motor function impairment. *Gene Therapy*, 15(13), 966- 977. doi.

Kelly, B. B., Hedlund, E., Kim, C., Ishiguro, H., Isacson, O., Chikaraishi, D. M., . . . Feng, G. (2006). A Tyrosine Hydroxylase-Yellow Fluorescent Protein Knock-in Reporter System Labeling Dopaminergic Neurons Reveals Potential Regulatory Role For The First Intron Of The Rodent Tyrosine Hydroxylase Gene. *Neuroscience*, 142(2), 343-354. doi.

Kelly, S., Bliss, T. M., Shah, A. K., Sun, G. H., Ma, M., Foo, W. C., . . . Steinberg, G. K. (2004). Transplanted human fetal neural stem cells survive, migrate, and differentiate in ischemic rat cerebral cortex. *Proceedings of the National Academy of Sciences*, 101(32), 11839-11844. doi. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/32/11839>

Kelly, S. C., He, B., Perez, S. E., Ginsberg, S. D., Mufson, E. J., & Counts, S. E. (2017). Locus coeruleus cellular and molecular pathology during the progression of Alzheimer's disease. [journal article]. *Acta Neuropathologica Communications*, 5(1), 8. doi: 10.1186/s40478-017- 0411-2. <http://dx.doi.org/10.1186/s40478-017-0411-2>

Kelm-Nelson, C. A., Brauer, A. F. L., Barth, K. J., Lake, J. M., Sinnen, M. L. K., Stehula, F. J., . . . Ciucci, M. R. (2018). Characterization of early-onset motor deficits in the Pink1-/- mouse model of Parkinson disease. *Brain Research*, 1680, 1-12. doi: <https://doi.org/10.1016/j.brainres.2017.12.002>. <https://www.sciencedirect.com/science/article/pii/S000689931730536X>

Kempermann, G., & Gage, F. H. (2002). Genetic determinants of adult hippocampal neurogenesis correlate with acquisition, but not probe trial performance, in the water maze task. *European Journal of Neuroscience*, 16(1), 129. doi.

Kempermann, G., & Gage, F. H. (2002). Genetic influence on phenotypic differentiation in adult hippocampal neurogenesis. *Developmental Brain Research*, 134(1-2), 1-12. doi.

Kempermann, G., Kuhn, H. G., & Gage, F. H. (1997). Genetic influence on neurogenesis in the dentate gyrus of adult mice. *Neurobiology*, 94, 10409-10414. doi.

Kempermann, G., Kuhn, H. G., & Gage, F. H. (1997). More hippocampal neurons in adult mice living in an enriched environment. *Nature Neuroscience*, 386, 493-495. doi.

Kempermann, G., Kuhn, H. G., & Gage, F. H. (1998). Experience-Induced Neurogenesis in the Senescent Dentate Gyrus. *Journal of Neuroscience*, 18(9), 3206-3212. doi. <http://www.jneurosci.org/cgi/content/abstract/18/9/3206>

Kemppainen, S., & Pitkänen, A. (2000). Distribution of parvalbumin, calretinin, and calbindin- D28k immunoreactivity in the rat amygdaloid complex and colocalization with γ - aminobutyric acid. *Journal of Comparative Neurology*, 426(3), 441-467. doi.

Kemppainen, S., & Pitkänen, A. (2004). Damage to the amygdalo-hippocampal projection in temporal lobe epilepsy: A tract-tracing study in chronic epileptic rats. *Neuroscience*, 126(2), 485-501. doi.

Kempster, R., Garza-Gisholt, E., Egeberg, C., Hart, N., O'Shea, O., & Collin, S. (2013). Sexual Dimorphism of the Electrosensory System: A Quantitative Analysis of Nerve Axons in the Dorsal Anterior Lateral Line Nerve of the Blue-Spotted Fantail Stingray (*Taeniura lymma*). *Brain, Behavior and Evolution*. doi. <http://www.karger.com/Article/FullText/351700>

Kennard, J. A., Brown, K. L., & Woodruff-Pak, D. S. (2013). Aging in the cerebellum and hippocampus and associated behaviors over the adult life span of CB6F1 mice. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.06.002>. <http://www.sciencedirect.com/science/article/pii/S0306452213004983>

Kennedy, D. P., Semendeferi, K., & Courchesne, E. (2007). No reduction of spindle neuron number in frontoinsular cortex in autism. *Brain and Cognition*, 64(2), 124-129. doi.

Kennedy, P. J., & Shapiro, M. L. (2004). Retrieving Memories via Internal Context Requires the Hippocampus. *Journal of Neuroscience*, 24(31), 6979-6985. doi. <http://www.jneurosci.org/cgi/content/abstract/24/31/6979>

Kennedy, W., Wendelschafer-Crabb, G., & Walk, D. (2000). Use of skin biopsy and skin blister in neurologic practice. *Journal of Neuromuscular Research*, 1, 196-204. doi.

Kenton, J. A., Ontiveros, T., Bird, C. W., Valenzuela, C. F., & Brigman, J. L. (2020). Moderate prenatal alcohol exposure alters the number and function of GABAergic interneurons in the murine orbitofrontal cortex. *Alcohol*. doi: <https://doi.org/10.1016/j.alcohol.2020.06.001>. <http://www.sciencedirect.com/science/article/pii/S0741832920302408>

Keogh, M. J., Drury, P. P., Bennet, L., Davidson, J. O., & Mathai, S. (2012). Limited predictive value of early changes in EEG spectral power for neural injury after asphyxia in preterm fetal sheep. *Pediatric Research*. doi.

Keren, N. I., Taheri, S., Vazey, E. M., Morgan, P. S., Granholm, A.-C. E., Aston-Jones, G. S., & Eckert, M. A. (2015). Histologic validation of locus coeruleus MRI contrast in post-mortem tissue. *Neuroimage*, (0). doi: <http://dx.doi.org/10.1016/j.neuroimage.2015.03.020>. <http://www.sciencedirect.com/science/article/pii/S1053811915002025>

Kerimoğlu, G., Hancı, H., Baş, O., Aslan, A., Erol, H. S., Turgut, A., . . . Odacı, E. (2016). Pernicious effects of long-term, continuous 900-MHz electromagnetic field throughout adolescence on hippocampus morphology, biochemistry and pyramidal neuron numbers in 60-day-old Sprague Dawley male rats. *Journal of Chemical Neuroanatomy*, 77, 169-175. doi: <http://dx.doi.org/10.1016/j.jchemneu.2016.07.004>. <http://www.sciencedirect.com/science/article/pii/S0891061816300758>

Kerman, I. A., Bernard, R., Rosenthal, D., Beals, J., Akil, H., & Watson, S. J. (2007). Distinct populations of presympathetic-premotor neurons express orexin or melanin-concentrating hormone in the rat lateral hypothalamus. *Journal of Comparative Neurology*, 505(5), 586- 601. doi.

Kerman, I. A., Shabrang, C., Taylor, L., Akil, H., & Watson, S. J. (2006). Relationship of presympathetic-premotor neurons to the serotonergic transmitter system in the rat brainstem. *Journal of Comparative Neurology*, 499(6), 882-896. doi.

Kermer, P., Köhn, A., Schnieder, M., Lingor, P., Bähr, M., Liman, J., & Dohm, C. (2014). BAG1 is Neuroprotective in In Vivo and In Vitro Models of Parkinson's Disease. *Journal of Molecular Neuroscience*, 1-9. doi: 10.1007/s12031-014-0396-2. <http://dx.doi.org/10.1007/s12031-014-0396-2>

Kern, A., Siebert, U., Cozzi, B., Hof, P. R., & Oelschläger, H. H. A. (2011). Stereology of the Neocortex in Odontocetes: Qualitative, Quantitative, and Functional Implications. *Brain, Behavior and Evolution*, 77(2), 79-90. doi.

Kernisant, M., Gear, R. W., Jasmin, L., Vit, J. P., & Ohara, P. T. (2008). Chronic constriction injury of the infraorbital nerve in the rat using modified syringe needle. *Journal of Neuroscience Methods*, 172(1), 43-47. doi.

Kerns, D., Vong, G. S., Barley, K., Dracheva, S., Katsel, P., Casaccia, P., . . . Byne, W. (2010). Gene expression abnormalities and oligodendrocyte deficits in the internal capsule in schizophrenia. *Schizophrenia Research*, 120(1-3), 150-158. doi.

Kerver, H. N., & Wade, J. (2014). Distribution and hormonal regulation of steroid receptor coactivator-1 mRNA in the male and female green anole brain. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12249. <http://dx.doi.org/10.1111/jne.12249>

Keshet, G. I., Tolwani, R. J., Trejo, A., Kraft, P., Doyonnas, R., Clayberger, C., . . . Blau, H. M. (2007). Increased host neuronal survival and motor function in BMT Parkinsonian mice: involvement of immunosuppression. *Journal of Comparative Neurology*, 504(6), 690-701. doi.

Keskin, I., Kaplan, S., Kalkan, S., Sutcu, M., Ulkay, M. B., & Esener, O. B. (2015). Evaluation of neuroprotection by melatonin against adverse effects of prenatal exposure to a nonsteroidal anti-inflammatory drug during peripheral nerve development. *International Journal of Developmental Neuroscience*, 41(0), 1-7. doi: <http://dx.doi.org/10.1016/j.ijdevneu.2014.12.002>. <http://www.sciencedirect.com/science/article/pii/S0736574814001932>

Kessler, B. A., Stanley, E. M., Frederick-Duus, D., & Fadel, J. (2011). Age-related loss of orexin/hypocretin neurons. *Neuroscience*. doi.

Kest, K., Cruz, I., Chen, D. H., Galaj, E., & Rinaldi, R. (2012). A food-associated CS activates c- Fos in VTA DA neurons and elicits conditioned approach. *Behavioural Brain Research*, (0). doi: 10.1016/j.bbr.2012.07.044.
<http://www.sciencedirect.com/science/article/pii/S0166432812005074>

Kettunen, M. I., Sierra, A., Närviäinen, M. J., Valonen, P. K., Ylä-Herttuala, S., Kauppinen, R. A., & Gröhn, O. H. J. (2007). Low Spin-Lock Field T1 Relaxation in the Rotating Frame as a Sensitive MR Imaging Marker for Gene Therapy Treatment Response in Rat Glioma1. *Radiology*, 243(3), 796-796. doi.

Keuker, J., Luiten, P., & Fuchs, E. (2003). Preservation of Hippocampal Neuron Numbers in Aged Rhesus Monkeys. *Neurobiology of Aging*, 24(1), 157-165. doi.

Keuker, J. I. H., Gesa K. Vollmann-Honsdorf, Eberhard Fuc. (2001). How to use the optical fractionator: an example based on the estimation of neurons in the hippocampal CA1 and CA3 regions of tree shrew. *Brain Research Protocols*, 7, 211-221. doi.

Keuker, J. I. H., de Biurrun, G., Luiten, P. G. M., & Fuchs, E. (2004). Preservation of hippocampal neuron numbers and hippocampal subfield volumes in behaviorally characterized aged tree shrews. *Journal of Comparative Neurology*, 468(4), 509-517. doi.

Keyhanmanesh, R., Hamidian, G., Alipour, M. R., & Oghbaei, H. (2019). Beneficial effects of dietary nitrate on testicular injury by improving glycemia and inhibiting apoptosis in Streptozotocin-induced diabetic male rats. *Reproductive BioMedicine Online*. doi: <https://doi.org/10.1016/j.rbmo.2018.11.027>.
<http://www.sciencedirect.com/science/article/pii/S1472648319300057>

Khairnar, A., Ruda-Kucerova, J., Arab, A., Hadjistyllis, C., Sejnoha Minsterova, A., Shang, Q., . . . Pan-Montojo, F. (2021). Diffusion kurtosis imaging detects the time-dependent progress of pathological changes in the oral rotenone mouse model of Parkinson's disease. *Journal of Neurochemistry*, n/a(n/a). doi: <https://doi.org/10.1111/jnc.15449>.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jnc.15449>

Khan, M. A., Lichtensteiger, C. A., Faroon, O., Mumtaz, M., Schaeffer, D. J., & Hansen, L. G. (2002). The Hypothalamo-Pituitary-Thyroid (HPT) Axis: A Target of Nonpersistent ortho- Substituted PCB Congeners *Toxicological Sciences*, 65, 52-61. doi.

Khan, M. M., Dhandapani, K. M., Zhang, Q.-g., & Brann, D. W. (2012). Estrogen regulation of spine density and excitatory synapses in rat prefrontal and somatosensory cerebral cortex. *Steroids*, (0). doi: <http://dx.doi.org/10.1016/j.steroids.2012.12.005>. <http://www.sciencedirect.com/science/article/pii/S0039128X12003364>

Khan, M. M., Wakade, C., de Sevilla, L., & Brann, D. W. (2014). Selective Estrogen Receptor Modulators (SERMs) Enhance Neurogenesis and Spine Density Following Focal Cerebral Ischemia. *The Journal of Steroid Biochemistry and Molecular Biology*, (0).

doi: <http://dx.doi.org/10.1016/j.jsbmb.2014.05.001>.

<http://www.sciencedirect.com/science/article/pii/S0960076014001034>

Kharatishvili, I., Nissinen, J. P., McIntosh, T. K., & Pitkänen, A. (2006). A model of posttraumatic epilepsy induced by lateral fluid-percussion brain injury in rats. *Neuroscience*, 140(2), 685- 697. doi.

Kharatishvili, I., & Pitkänen, A. (2010). Association of the severity of cortical damage with the occurrence of spontaneous seizures and hyperexcitability in an animal model of posttraumatic epilepsy. *Epilepsy Research*, 90(1-2), 47-59. doi.

Khasabov, S. G., & Simone, D. A. (2013). Loss of Neurons in Rostral Ventromedial Medulla that Express Neurokinin-1 Receptors Decrease the Development of Hyperalgesia. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.06.057>.

<http://www.sciencedirect.com/science/article/pii/S0306452213005630>

Khasnavis, S., Ghosh, A., Roy, A., & Pahan, K. (2013). Castration induces Parkinson's disease pathologies in young male mice via inducible nitric oxide synthase. *Journal of Biological Chemistry*. doi:

10.1074/jbc.M112.443556.

<http://www.jbc.org/content/early/2013/06/06/jbc.M112.443556.abstract>

Khattak, S., Gupta, N., Zhou, X., Pires, L., Wilson, B. C., & Yucel, Y. (2018). Non-invasive dynamic assessment of conjunctival melanomas using photoacoustic imaging.

Experimental Eye Research.

doi: <https://doi.org/10.1016/j.exer.2018.11.014>.

<http://www.sciencedirect.com/science/article/pii/S0014483518306067>

Kheirbek, M. A., Beeler, J. A., Ishikawa, Y., & Zhuang, X. (2008). A cAMP Pathway Underlying Reward Prediction in Associative Learning. *Journal of Neuroscience*, 28(44), 11401-11408. doi: 10.1523/jneurosci.4115-

08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/44/11401>

Kheradmand, A., Roshangar, L., & Taati, M. (2009). The role of ghrelin on the morphometry and intracellular changes in the rat testis. *Tissue and Cell*, 41(2), 105-111. doi.

Kheradmand, A., Roshangar, L., Taati, M., & Sirotkin, A. V. (2009). Morphometrical and intracellular changes in rat ovaries following chronic administration of ghrelin. *Tissue and Cell*, 41(5), 311-317. doi.

Kholodilov, N., Kim, S. R., Yarygina, O., Kareva, T., Cho, J. W., Baohan, A., & Burke, R. E. (2011). Glial cell line-derived neurotrophic factor receptor-alpha 1 expressed in striatum in trans regulates development and injury response of dopamine neurons of the substantia nigra. *Journal of Neurochemistry*, 116(4), 486-498. doi: 10.1111/j.1471-

4159.2010.07128.x. <http://dx.doi.org/10.1111/j.1471-4159.2010.07128.x>

Kholodilov, N., Yarygina, O., Oo, T. F., Zhang, H., Sulzer, D., Dauer, W., & Burke, R. E. (2004). Regulation of the Development of Mesencephalic Dopaminergic Systems by the Selective Expression of Glial Cell Line-Derived Neurotrophic Factor in Their Targets. *Journal of Neuroscience*, 24(12), 3136-3146.

doi: <http://www.jneurosci.org/cgi/content/abstract/24/12/3136>

Khoury, N. B., Gratuze, M., Papon, M. A., Bretteville, A., & Planel, E. (2014). Insulin dysfunction and Tau pathology. *Front Cell Neurosci*, 8. doi:

10.3389/fncel.2014.00022. <http://dx.doi.org/10.3389/fncel.2014.00022>

Khawaja, M., McCormack, A., McIntosh, J. M., Di Monte, D. A., & Quik, M. (2007). Nicotine partially protects against paraquat-induced nigrostriatal damage in mice; link to $\alpha 6 \beta 2^*$ nAChRs. *Journal of Neurochemistry*, 100(1), 180-190. doi: doi:10.1111/j.1471-4159.2006.04177.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.04177.x>

Kia, A., McAvoy, K., Krishnamurthy, K., Trotti, D., & Pasinelli, P. (2018). Astrocytes expressing ALS-linked mutant FUS induce motor neuron death through release of tumor necrosis factor- α . *Glia*, n/a-n/a. doi: 10.1002/glia.23298.

<http://dx.doi.org/10.1002/glia.23298>

Kiaei, M., Kipiani, K., Calingasan, N. Y., Wille, E., Chen, J., Heissig, B., . . . Beal, M. F. (2007). Matrix metalloproteinase-9 regulates TNF- α and FasL expression in neuronal, glial cells and its absence extends life in a transgenic mouse model of amyotrophic lateral sclerosis.

Experimental Neurology, 205(1), 74-81. doi.

Kiaei, M., Kipiani, K., Chen, J., Calingasan, N. Y., & Beal, M. F. (2005). Peroxisome proliferator- activated receptor- γ agonist extends survival in transgenic mouse model of amyotrophic lateral sclerosis. *Experimental Neurology*, 191(2), 331-336. doi.

Kiaei, M., Kipiani, K., Petri, S., Choi, D.-K., Chen, J., Calingasan, N. Y., & Beal, M. F. (2005). Integrative role of cPLA2 with COX-2 and the effect of non-steroidal anti-inflammatory drugs in a transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 93(2), 403-411. doi: doi:10.1111/j.1471-4159.2005.03024.x.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03024.x>

Kickstein, E., Krauss, S., Thornhill, P., Rutschow, D., Zeller, R., & Sharkey, J. (2010). Biguanide metformin acts on tau phosphorylation via mTOR/protein phosphatase 2A (PP2A) signaling. *Proceedings of the National Academy of Sciences of the United States of America*, 107. doi: 10.1073/pnas.0912793107.

<http://dx.doi.org/10.1073/pnas.0912793107>

Kidd, S. K., Anderson, D. W., & Schneider, J. S. (2008). Postnatal lead exposure alters expression of forebrain p75 and TrkA nerve growth factor receptors. *Brain Research*, 1195, 113-119. doi.

Kidd, S. K., & Schneider, J. S. (2010). Protection of dopaminergic cells from MPP⁺-mediated toxicity by histone deacetylase inhibition. *Brain Research*, 1354, 172-178. doi.

Kiechle, T., Dedeoglu, A., Kubilus, J., Kowall, N. W., Beal, M. F., Friedlander, R. M., . . . Ferrante, R. J. (2002). Cytochrome C and caspase-9 expression in Huntington's disease. *Neuromolecular Medicine*, 1(3), 183-195. doi.

Kielar, C., & Jennifer Morton, A. (2018). Early Neurodegeneration in R6/2 Mice Carrying the Huntington's Disease Mutation with a Super-Expanded CAG Repeat, Despite Normal Lifespan. *Journal of Huntington's Disease*, 7(1), 61-76. doi. <https://content.iospress.com/articles/journal-of-huntingtons-disease/jhd..>

Kielar, C., Maddox, L., Bible, E., Pontikis, C. C., Macauley, S. L., Griffey, M. A., . . . Cooper, J. D. (2007). Successive neuron loss in the thalamus and cortex in a mouse model of infantile neuronal ceroid lipofuscinosis. *Neurobiology of Disease*, 25(1), 150-162. doi.

Kielar, C., Sawiak, S. J., Negredo, P. N., Desmond, H. Y., & Morton, A. J. (2012). Tensor-Based Morphometry and Stereology Reveal Brain Pathology in the Complexin1 Knockout Mouse. *PLoS ONE*, 7(2), e32636-e32636. doi.

Kielar, C., Wishart, T. M., Palmer, A., Dihanich, S., Wong, A. M., Macauley, S. L., . . . Gillingwater, T. H. (2009). Molecular correlates of axonal and synaptic pathology in mouse models of Batten disease. *Human Molecular Genetics*, 18(21), 4066-4080. doi: 10.1093/hmg/ddp355. <http://hmg.oxfordjournals.org/cgi/content/abstract/18/21/4066>

Kiessling, M., Büttner, A., Butti, C., Müller-Starck, J., Milz, S., Hof, P., . . . Schmitz, C. (2013). Cerebellar granule cells are generated postnatally in humans. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-013-0565-z. <http://dx.doi.org/10.1007/s00429-013-0565-z>

Kiessling, M. C., Büttner, A., Butti, C., Müller-Starck, J., Milz, S., Hof, P. R., . . . Schmitz, C. (2013). Intact Numbers of Cerebellar Purkinje and Granule Cells in Sudden Infant Death Syndrome: A Stereologic Analysis and Critical Review of Neuropathologic Evidence. *Journal of Neuropathology and Experimental Neurology*. doi. <http://europepmc.org/abstract/MED/23965745/reload=0;jsessionid=KfJ2QuIXQ...>

Kikuta, S., Sakamoto, T., Nagayama, S., Kanaya, K., Kinoshita, M., Kondo, K., . . . Yamasoba, T. (2015). Sensory Deprivation Disrupts Homeostatic Regeneration of Newly Generated Olfactory Sensory Neurons after Injury in Adult Mice. *The Journal of Neuroscience*, 35(6), 2657-2673. doi. <http://www.jneurosci.org/content/35/6/2657.short>

Kilic, E., ElAli, A., Kilic, Ü., Guo, Z., Ugur, M., Uslu, U., . . . Hermann, D. M. (2010). Role of Nogo-A in neuronal survival in the reperfused ischemic brain. *Journal of Cerebral Blood Flow and Metabolism*, 30(5), 969-984. doi.

Kilicarlan, B., Kilicarlan, E., Kizmazoglu, C., Aydin, H., Kaya, I., Danyeli, A., & Karabekir, H. (2019). Evaluation of the Efficacy of Sildenafil Citrate Following Severe Head Trauma in an Experimental Rat Model. *Turkish neurosurgery*. doi. <https://www.ncbi.nlm.nih.gov/pubmed/30829389>

Kilimnik, G., Kim, A., Jo, J., Miller, K., & Hara, M. (2009). Quantification of pancreatic islet distribution in situ in mice. *American Journal of Physiological and Endocrinological Metabolism*, 297(6), E1331-1338. doi:

10.1152/ajpendo.00479.2009.

<http://ajpendo.physiology.org/cgi/content/abstract/297/6/E1331>

Kilimnik, G., Zhao, B., Jo, J., Periwai, V., Witkowski, P., Misawa, R., & Hara, M. (2011). Altered Islet Composition and Disproportionate Loss of Large Islets in Patients with Type 2 Diabetes. *PLoS ONE*, 6(11), e27445-e27445. doi.

Kiljan, S., Prins, M., Baselmans, B. M., Bol, J. G. J. M., Schenk, G. J., & van Dam, A.-M. (2019). Enhanced GABAergic Immunoreactivity in Hippocampal Neurons and Astroglia of Multiple Sclerosis Patients. *Journal of Neuropathology and Experimental Neurology*. doi: 10.1093/jnen/nlzo28. <https://doi.org/10.1093/jnen/nlzo28>

Killoran, K. E., Kropp, L. E., Lindrose, A. R., Curtis, H. E., Cook, D., & Mitre, E. (2018). Rush desensitization with a single antigen induces subclinical activation of mast cells and protects against bystander challenge in dually sensitized mice. *Clinical and Experimental Allergy*, o(ja). doi: doi:10.1111/cea.13323. <https://onlinelibrary.wiley.com/doi/abs/10.1111/cea.13323>

Kim, A., & Mandyam, C. D. (2014). Methamphetamine affects cell proliferation in the medial prefrontal cortex: A new niche for toxicity. *Pharmacology Biochemistry and Behavior*, (o). doi: <http://dx.doi.org/10.1016/j.pbb.2014.09.012>. <http://www.sciencedirect.com/science/article/pii/S0091305714002640>

Kim, B., Kim, E., Lee, S., Joo, I., Suh-Kim, H., Sohn, S., & Kim, S. (2009). Transplantation of human neural stem cells transduced with Olig2 transcription factor improves locomotor recovery and enhances myelination in the white matter of rat spinal cord following contusive injury. *BMC Neuroscience*, 10(1), 117. doi. <http://www.biomedcentral.com/1471-2202/10/117>

Kim, B., Park, J.-Y., Cho, D.-Y., Ko, H. M., Yoon, S.-H., & Choi, D.-K. (2019). 2-(5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazol-3-yl)-N-(2-hydroxyethyl)-2-oxoacetamide (CDMPO) has anti-inflammatory properties in microglial cells and prevents neuronal and behavioral deficits in MPTP mouse model of Parkinson's disease. *Neuropharmacology*, 107928. doi: <https://doi.org/10.1016/j.neuropharm.2019.107928>. <http://www.sciencedirect.com/science/article/pii/S002839081930499X>

Kim, B. K., Shin, E.-J., Kim, H.-C., Chung, Y. H., Dang, D.-K., Jung, B.-D., . . . Jeong, J. H. (2013). Platelet-activating factor receptor knockout mice are protected from MPTP-induced dopaminergic degeneration. *Neurochemistry International*, (o). doi: <http://dx.doi.org/10.1016/j.neuint.2013.05.010>. <http://www.sciencedirect.com/science/article/pii/S0197018613001617>

Kim, B. R., Shim, J. W., Sung, D. K., Kim, S. S., Jeon, G. W., Kim, M. J., . . . Choi, E. S. (2008). Granulocyte stimulating factor attenuates hypoxic-ischemic brain injury by inhibiting apoptosis in neonatal rats. *Yonsei Medical Journal*, 49(5), 836-836. doi.

Kim, B.-W., Jeong, K. H., Kim, J.-H., Jin, M., Kim, J.-H., Lee, M.-G., . . . Jeon, M.-T. (2016). Pathogenic Upregulation of Glial Lipocalin-2 in the Parkinsonian Dopaminergic System. *The*

Journal of Neuroscience, 36(20), 5608-5622.

doi: <http://www.jneurosci.org/content/36/20/5608.short>

Kim, D., Hwang, H., Choi, S., Kwon, S. H., Lee, S., Park, J. H., . . . Ko, H. S. (2018). D409H GBA1 mutation accelerates the progression of pathology in A53T α -synuclein transgenic mouse model. [journal article]. *Acta Neuropathologica Communications*, 6(1), 32. doi: 10.1186/s40478-018-0538-9. <https://doi.org/10.1186/s40478-018-0538-9>

Kim, D., Yoo, J. M., Hwang, H., Lee, J., Lee, S. H., Yun, S. P., . . . Ko, H. S. (2018). Graphene quantum dots prevent α -synucleinopathy in Parkinson's disease. *Nature Nanotechnology*. doi: 10.1038/s41565-018-0179-y. <https://doi.org/10.1038/s41565-018-0179-y>

Kim, D., Zai, L., Liang, P., Schaffling, C., Ahlborn, D., & Benowitz, L. I. (2013). Inosine Enhances Axon Sprouting and Motor Recovery after Spinal Cord Injury. *Plos one*, 8(12), e81948. doi: 10.1371/journal.pone.0081948. <http://dx.doi.org/10.1371%2Fjournal.pone.0081948>

Kim, D. H., Phillips, M. E., Chang, A. Y., Patel, H. K., Nguyen, K. T., & Willhite, D. C. (2011). Lateral connectivity in the olfactory bulb is sparse and segregated. *Frontiers in Neural Circuits*, 5. doi.

Kim, D.-W., Chung, S., Hwang, M., Ferree, A., Tsai, H.-C., Park, J.-J., . . . Kim, K.-S. (2006). Stromal Cell-Derived Inducing Activity, Nurr1, and Signaling Molecules Synergistically Induce Dopaminergic Neurons from Mouse Embryonic Stem Cells. *Stem Cells*, 24(3), 557-567. doi: 10.1634/stemcells.2005-0233. <http://stemcells.alphamedpress.org/cgi/content/abstract/24/3/557>

Kim, E., Camacho, J., Combs, Z., Ariza, J., Lechpammer, M., Noctor, S., & Martínez-Cerdeño, V. (2015). Preliminary findings suggest the number and volume of supragranular and infragranular pyramidal neurons are similar in the anterior superior temporal area of control subjects and subjects with autism. *Neuroscience Letters*, (o). doi: <http://dx.doi.org/10.1016/j.neulet.2015.01.021>. <http://www.sciencedirect.com/science/article/pii/S0304394015000269>

Kim, E. H., Thu, D. C. V., Tippet, L. J., Oorschot, D. E., Hogg, V. M., Roxburgh, R., . . . Faull, R. L. M. (2014). Cortical interneuron loss and symptom heterogeneity in Huntington's disease. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24162. <http://dx.doi.org/10.1002/ana.24162>

Kim, E.-J., Sidhu, M., Gaus, S. E., Huang, E. J., Hof, P. R., Miller, B. L., . . . Seeley, W. W. (2011). Selective Frontoinsular von Economo Neuron and Fork Cell Loss in Early Behavioral Variant Frontotemporal Dementia. *Cerebral Cortex*, bhro04. doi: 10.1093/cercor/bhro04. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhro04v2>

Kim, G., Ayala, I. A., Bolbolan, K., Shahidepour, R., Mesulam, M.-M., Jamshidi, P., . . . Geula, C. (2019). Morphology and Distribution of TDP-43 Pre-inclusions in Primary Progressive Aphasia. doi: 10.1093/jnen/nlz005. <https://dx.doi.org/10.1093/jnen/nlz005>

Kim, H., Park, J., Kang, H., Yun, S. P., Lee, Y.-S., Lee, Y.-I., & Lee, Y. (2020). Activation of the Akt1-CREB pathway promotes *RNF146* expression to inhibit PARP1-mediated neuronal

death. *Science Signaling*, 13(663), eaax7119. doi: 10.1126/scisignal.aax7119. <http://stke.sciencemag.org/content/13/663/eaax7119.abstract>

Kim, H., Park, J., Leem, H., Cho, M., Yoon, J.-H., Maeng, H.-J., & Lee, Y. (2019). Rhododendrin- Induced RNF146 Expression via Estrogen Receptor β Activation is Cytoprotective Against 6- OHDA-Induced Oxidative Stress. *International Journal of Molecular Sciences*, 20(7), 1772. doi. <http://www.mdpi.com/1422-0067/20/7/1772>

Kim, H. G., Ju, M. S., Kim, D. H., Hong, J., Cho, S. H., Cho, K. H., . . . Oh, M. S. (2010). Protective Effects of Chunghyuldan against ROS-mediated Neuronal Cell Death in Models of Parkinson's Disease. *Basic and Clinical Pharmacology and Toxicology*, 107(6), 958-964. doi.

Kim, H. G., Ju, M. S., Shim, J. S., Kim, M. C., Lee, S. H., Huh, Y., . . . others. (2010). Mulberry fruit protects dopaminergic neurons in toxin-induced Parkinson's disease models. *British Journal of Nutrition*, 104(1), 8-8. doi.

Kim, H. M., Hwang, D. H., Choi, J. Y., Park, C. H., Suh-Kim, H., Kim, S. U., & Kim, B. G. (2011). Differential and cooperative actions of Olig1 and Olig2 transcription factors on immature proliferating cells after contusive spinal cord injury. *Glia*, 59(7), 1094-1106. doi: 10.1002/glia.21182. <http://dx.doi.org/10.1002/glia.21182>

Kim, H.-W., Oh, S. H., Lee, S. J., Na, J. e., & Rhyu, I. J. (2020). Differential synapse density between Purkinje cell dendritic spine and parallel fiber varicosity in the rat cerebellum among the phylogenic lobules. *Applied Microscopy*, 50(1), 6. doi: 10.1186/s42649-020- 00027-6. <https://doi.org/10.1186/s42649-020-00027-6>

Kim, I., Wilson, R. E., & Wellman, C. L. (2005). Aging and cholinergic deafferentation alter GluR1 expression in rat frontal cortex. *Neurobiology of Aging*, 26(7), 1073-1081. doi.

Kim, J. H., Yoo, B. H., Won, S. J., Choi, B. Y., Lee, B., Kim, I., . . . Suh, S. W. (2015). Melatonin Reduces Hypoglycemia-Induced Neuronal Death in Rats. *Neuroendocrinology*. doi. <http://www.karger.com/Article/Abstract/434722>

Kim, J. I., Yang, E. J., Lee, M. S., Kim, Y. S., Huh, Y., Cho, I. H., . . . Koh, H. K. (2011). Bee venom reduces neuroinflammation in the MPTP-induced model of Parkinson's disease. *International Journal of Neuroscience*, 121(4), 209-217. doi.

Kim, J. M., Kim, S.-S., & Lee, Y.-D. (2015). Fas-associated factor 1 promotes in neurofibrillary tangle-mediated cell death of basal forebrain cholinergic neurons in P301L transgenic mice. *Neuroreport*, Publish Ahead of Print. doi: 10.1097/wnr.0000000000000423. http://journals.lww.com/neuroreport/Fulltext/publishahead/Fas_associated...

Kim, J. W., Nam, S. M., Yoo, D. Y., Jung, H. Y., Hwang, I. K., Seong, J. K., & Yoon, Y. S. (2018). Strain-specific differential expression of astrocytes and microglia in the mouse hippocampus. *Brain and Behavior*, 0(0), e00961. doi: doi:10.1002/brb3.961. <https://onlinelibrary.wiley.com/doi/abs/10.1002/brb3.961>

Kim, K. I., Baek, J. Y., Jeong, J. Y., Nam, J. H., Park, E. S., Bok, E., . . . Jin, B. K. (2019). Delayed Treatment of Capsaicin Produces Partial Motor Recovery by Enhancing Dopamine Function in MPP⁺-lesioned Rats via Ciliary Neurotrophic Factor. *Exp Neurobiol*, 28. doi: <https://doi.org/10.5607/en.2019.28.e6>

Kim, R. Y., Hoffman, A. S., Itoh, N., Ao, Y., Spence, R., Sofroniew, M. V., & Voskuhl, R. R. (2014). Astrocyte CCL2 Sustains Immune Cell Infiltration in Chronic Experimental Autoimmune Encephalomyelitis. *Journal of Neuroimmunology*, (o). doi: <http://dx.doi.org/10.1016/j.jneuroim.2014.06.009>. <http://www.sciencedirect.com/science/article/pii/S0165572814001805>

Kim, S., Moon, M., & Park, S. (2009). Exendin-4 protects dopaminergic neurons by inhibition of microglial activation and matrix metalloproteinase-3 expression in an animal model of Parkinson's disease. *Journal of Endocrinology*, 202(3), 431-431. doi.

Kim, S. H., Thomas, C. A., André, V. M., Cummings, D. M., Cepeda, C., Levine, M. S., & Ehrlich, M. E. (2011). Forebrain striatal-specific expression of mutant huntingtin protein in vivo induces cell-autonomous age-dependent alterations in sensitivity to excitotoxicity and mitochondrial function. *ASN neuro*, 3(3). doi.

Kim, S. N., Doo, A. R., Park, J. Y., Bae, H., Chae, Y., Shim, I., . . . Park, H. J. (2011). Acupuncture Enhances the Synaptic Dopamine Availability to Improve Motor Function in a Mouse Model of Parkinson's Disease. *PLoS ONE*, 6(11), e27566-e27566. doi.

Kim, S. R., Chen, X., Oo, T. F., Kareva, T., Yarygina, O., Wang, C., . . . Burke, R. E. (2011). Dopaminergic pathway reconstruction by Akt/Rheb-induced axon regeneration. *Annals of Neurology*, 70(1), 110-120. doi: 10.1002/ana.22383. <http://dx.doi.org/10.1002/ana.22383>

Kim, S. R., Kareva, T., Yarygina, O., Kholodilov, N., & Burke, R. E. (2011). AAV Transduction of Dopamine Neurons With Constitutively Active Rheb Protects From Neurodegeneration and Mediates Axon Regrowth. *Molecular Therapy*. doi.

Kim, S. R., Ries, V., Cheng, H. C., Kareva, T., Oo, T. F., Yu, W. H., . . . Burke, R. E. (2011). Age and α -synuclein expression interact to reveal a dependence of dopaminergic axons on endogenous Akt/PKB signaling. *Neurobiology of Disease*. doi.

Kim, S. S., Lee, K. H., Sung, D. K., Shim, J. W., Kim, M. J., Jeon, G. W., . . . Park, W. S. (2008). Erythropoietin attenuates brain injury, subventricular zone expansion, and sensorimotor deficits in hypoxic-ischemic neonatal rats. *Journal of Korean Medical Science*, 23(3), 484-484. doi.

Kim, S. S., Richman, D. P., Zamvil, S. S., & Agius, M. A. (2011). Accelerated central nervous system autoimmunity in BAFF-receptor-deficient mice. *Journal of the Neurological Sciences*. doi.

Kim, T.-G., Yao, R., Monnell, T., Cho, J.-H., Vasudevan, A., Koh, A., . . . Chung, S. (2014). Efficient specification of interneurons from human pluripotent stem cells by dorsoventral and rostrocaudal modulation. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1704. <http://dx.doi.org/10.1002/stem.1704>

Kim, T. W., Moon, Y., Kim, K., Lee, J. E., Koh, H. C., Kim, H., . . . others. (2011). Dissociation of Progressive Dopaminergic Neuronal Death and Behavioral Impairments by Bax Deletion in a Mouse Model of Parkinson's Diseases. *PLoS ONE*, 6(10), e25346-e25346. doi.

Kim, Y., Kim, S., Kim, C., Sato, T., Kojima, M., & Park, S. (2014). Ghrelin is required for dietary restriction-induced enhancement of hippocampal neurogenesis: lessons from ghrelin knockout mice. *Endocrine Journal*, advpub. doi: 10.1507/endocrj.EJ14-0436. https://www.jstage.jst.go.jp/article/endocrj/advpub/0/advpub_EJ14-0436/...

Kim, Y. H., Lussier, S., Rane, A., Choi, S. W., & Andersen, J. K. (2011). Inducible dopaminergic glutathione depletion in an alpha-synuclein transgenic mouse model results in age-related olfactory dysfunction. *Neuroscience*, 172, 379-386. doi.

Kim, Y.-H., Rane, A., Lussier, S., & Andersen, J. K. (2011). Lithium protects against oxidative stress-mediated cell death in α -synuclein-overexpressing in vitro and in vivo models of Parkinson's disease. *Journal of Neuroscience Research*, 89(10), 1666-1675. doi: 10.1002/jnr.22700. <http://dx.doi.org/10.1002/jnr.22700>

Kim, Y. S., Son, J. Y., Kim, T. H., Paik, S. K., Dai, Y., Noguchi, K., . . . Bae, Y. C. (2010). Expression of transient receptor potential ankyrin 1 (TRPA1) in the rat trigeminal sensory afferents and spinal dorsal horn. *Journal of Comparative Neurology*, 518(5), 687-698. doi.

Kimani, P., Holmes, A., Grossmann, R., & McGowan, S. (2009). PDGF-Ralpha gene expression predicts proliferation, but PDGF-A suppresses transdifferentiation of neonatal mouse lung myofibroblasts. *Respiratory Research*, 10(1), 119. doi. <http://respiratory-research.com/content/10/1/119>

Kim-Han, J. S., Antenor-Dorsey, J. A., & O'Malley, K. L. (2011). The Parkinsonian Mimetic, MPP+, Specifically Impairs Mitochondrial Transport in Dopamine Axons. *Journal of Neuroscience*, 31(19), 7212-7221. doi: 10.1523/jneurosci.0711-11.2011. <http://www.jneurosci.org/content/31/19/7212.abstract>

Kimura, T., Hino, K., Kono, T., Takano, A., Nitta, N., Ushio, N., . . . Udagawa, J. (2018). Maternal undernutrition during early pregnancy inhibits postnatal growth of the tibia in the female offspring of rats by alteration of chondrogenesis. *General and Comparative Endocrinology*. doi: <https://doi.org/10.1016/j.ygcen.2017.12.008>. <https://www.sciencedirect.com/science/article/pii/S0016648017305993>

Kincaid, A. E. (2001). Spontaneous circling behavior and dopamine neuron loss in a genetically hypothyroid mouse. *Neuroscience*, 105(4), 891-898. doi.

King, B. J., Mann-Gow, T. K., Kida, M., Plante, M. K., Perrapato, S. D., & Zvara, P. (2015). Intraprostatic ethanol diffusion: comparison of two injection methods using ex vivo human prostates. [Original Article]. *Prostate Cancer Prostatic Dis*. doi: 10.1038/pcan.2015.24. <http://dx.doi.org/10.1038/pcan.2015.24>

King, B. J., Plante, M. K., Kida, M., Mann-Gow, T. K., Odland, R., & Zvara, P. (2012). Comparison of Intraprostatic Ethanol Diffusion Using a Microporous Hollow Fiber Catheter Versus a Standard Needle. *Journal of Urology*, (0). doi:

10.1016/j.juro.2011.12.057.

<http://www.sciencedirect.com/science/article/pii/S0022534711060046>

King, S. J., Rodrigues, T., Watts, A., Murray, E., & Abizaid, A. (2016). Investigation of a role for ghrelin signaling in binge-like feeding in mice under limited access to high-fat diet. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.01.004>.

<http://www.sciencedirect.com/science/article/pii/S0306452216000233>

Kipp, M., Kiessling, M. C., Hochstrasser, T., Roggenkamp, C., & Schmitz, C. (2016). Design-Based Stereology for Evaluation of Histological Parameters. [journal article]. *Journal of Molecular Neuroscience*, 1-18. doi: 10.1007/s12031-016-0858-9

9. <http://dx.doi.org/10.1007/s12031-016-0858-9>

Kirby, E. D., Friedman, A. R., Covarrubias, D., Ying, C., Sun, W. G., Goosens, K. A., . . . Kaufer, D. (2011). Basolateral amygdala regulation of adult hippocampal neurogenesis and fear-related activation of newborn neurons. *Molecular Psychiatry*.

doi: <http://www.nature.com/mp/journal/vaop/ncurrent/supinfo/mp201171s1.html>. <http://dx.doi.org/10.1038/mp.2011.71>

Kirkley, A. G., Carmean, C. M., Ruiz, D., Ye, H., Regnier, S. M., Poudel, A., . . . Sargis, R. M. (2017). Arsenic Exposure Induces Glucose Intolerance and Alters Global Energy Metabolism. [10.1152/ajpregu.00522.2016]. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*.

doi: <http://ajpregu.physiology.org/content/early/2017/11/08/ajpregu.00522.201...>

Kishore, V., Uquillas, J. A., Dubikovsky, A., Alshehabat, M. A., Snyder, P. W., Breur, G. J., & Akkus, O. (2012). In vivo response to electrochemically aligned collagen bioscaffolds. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, 100B(2), 400-408. doi: 10.1002/jbm.b.31962. <http://dx.doi.org/10.1002/jbm.b.31962>

Kitamura, Y., Inden, M., Minamino, H., Abe, M., Takata, K., & Taniguchi, T. (2010). The 6-hydroxydopamine-induced nigrostriatal neurodegeneration produces microglia-like NG2 glial cells in the rat substantia nigra. *Glia*, 58(14), 1686-1700. doi.

Kitamura, Y., Kamibayashi, M., Inden, M., Yanagida, T., Shibaike, T., Takata, K., . . . Taniguchi, T. (2011). Detoxification of 6-hydroxydopamine-induced Parkinsonian neurodegeneration by G-CYPMPO, a novel radical trapper. *Neurochemistry International*. doi.

Kivrak, E. G., Altunkaynak, B. Z., Alkan, I., Yurt, K. K., Kocaman, A., & Onger, M. E. (2017). Effects of 900-MHz radiation on the hippocampus and cerebellum of adult rats and attenuation of such effects by folic acid and *Boswellia sacra*. *Journal of Microscopy and Ultrastructure*. doi: <https://doi.org/10.1016/j.jmau.2017.09.003>.

<http://www.sciencedirect.com/science/article/pii/S2213879X17300391>

Kiyota, T., Machhi, J., Lu, Y., Dyavarshetty, B., Nemati, M., Yokoyama, I., . . . Gendelman, H. E. (2018). Granulocyte-macrophage colony-stimulating factor neuroprotective activities in Alzheimer's disease mice. *Journal of Neuroimmunology*.

doi: <https://doi.org/10.1016/j.jneuroim.2018.03.009> <http://www.sciencedirect.com/science/article/pii/S0165572818300304>

Kiyota, T., Machhi, J., Lu, Y., Dyavarshetty, B., Nemat, M., Zhang, G., . . . Gendelman, H. E. (2018). URM-099 facilitates amyloid- β clearance in a murine model of Alzheimer's disease. [journal article]. *Journal of neuroinflammation*, 15(1), 137. doi: 10.1186/s12974-018-1172-y. <https://doi.org/10.1186/s12974-018-1172-y>

Kiyota, T., Morrison, C. M., Tu, G., Dyavarshetty, B., Weir, R. A., Zhang, G., . . . Gendelman, H. E. (2015). Presenilin-1 familial Alzheimer's disease mutation alters hippocampal neurogenesis and memory function in CCL2 null mice. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2015.06.014>. <http://www.sciencedirect.com/science/article/pii/S0889159115001671>

Kızıldağ, A., Arabacı, T., Albayrak, M., Taşdemir, U., Şenel, E., Dalıanoğlu, M., & Demirci, E. (2019). Therapeutic effects of caffeic acid phenethyl ester on alveolar bone loss in rats with endotoxin-induced periodontitis. *Journal of Dental Sciences*. doi: <https://doi.org/10.1016/j.jds.2019.03.011>. <http://www.sciencedirect.com/science/article/pii/S1991790218309966>

KIZILDAĞ, A., Taşdemir, U., Arabacı, T., Aksu KIZILDAĞ, C., Albayrak, M., & Şahin, B. (2020). Effects of Autogenous Tooth Bone Graft And Platelet-Rich Fibrin in Peri-Implant Defects: An Experimental Study in An Animal Model. *Journal of Oral Implantology*. doi: 10.1563/aaid-joi-D-19-00038. <https://doi.org/10.1563/aaid-joi-D-19-00038>

Klaus, F., Hauser, T., Lindholm, A. K., Cameron, H. A., Slomianka, L., Lipp, H. P., & Amrein, I. (2011). Different regulation of adult hippocampal neurogenesis in Western house mice (*Mus musculus domesticus*) and C57BL/6 mice. *Behavioural Brain Research*. doi.

Klaus, F., Hauser, T., Slomianka, L., Lipp, H. P., & Amrein, I. (2009). A reward increases running-wheel performance without changing cell proliferation, neuronal differentiation or cell death in the dentate gyrus of C57BL/6 mice. *Behavioural Brain Research*, 204(1), 175-181. doi.

Klein, A., Gidyk, D. C., Shriner, A. M., Colwell, K. L., Tatton, N. A., Tatton, W. G., & Metz, G. A. (2011). Dose-dependent loss of motor function after unilateral medial forebrain bundle rotenone lesion in rats: a cautionary note. *Behavioural Brain Research*. doi.

Klein, A., Metz, G. A., Papazoglou, A., & Nikkhah, G. (2007). Differential effects on forelimb grasping behavior induced by fetal dopaminergic grafts in hemiparkinsonian rats. *Neurobiology of Disease*, 27(1), 24-35. doi.

Klein, A., Wessolbeck, J., Papazoglou, A., Metz, G. A., & Nikkhah, G. (2009). Walking pattern analysis after unilateral 6-OHDA lesion and transplantation of foetal dopaminergic progenitor cells in rats. *Behavioural Brain Research*, 199(2), 317-325. doi.

Klein, C., Hain, E. G., Braun, J., Riek, K., Mueller, S., Steiner, B., & Sack, I. (2014). Enhanced Adult Neurogenesis Increases Brain Stiffness: In Vivo Magnetic Resonance Elastography in a

Mouse Model of Dopamine Depletion. Plos one, 9(3), e92582. doi: 10.1371/journal.pone.0092582. <http://dx.doi.org/10.1371%2Fjournal.pone.0092582>

Klein, R. L., Dayton, R. D., Leidenheimer, N. J., Jansen, K., Golde, T. E., Zweig, R. M., & Klein, R. L. (2005). Efficient Neuronal Gene Transfer with AAV8 Leads to Neurotoxic Levels of Tau or Green Fluorescent Proteins. *Molecular Therapy*, 13(3), 517-527. doi.

Kleiner-Fisman, G., Calingasan, N. Y., Putt, M., Chen, J., Beal, M. F., & Lang, A. E. (2005). Alterations of striatal neurons in benign hereditary chorea. *Movement Disorders*, 20(10), 1353-1357. doi.

Klemann, C., Schade, J., Pabst, R., Leitner, S., Stiller, J., von Hörsten, S., & Stephan, M. (2009). CD26/dipeptidyl peptidase 4-deficiency alters thymic emigration patterns and leukocyte subsets in F344-rats age-dependently. *Clinical and Experimental Immunology*, 155(2), 357-365. doi.

Klemenhausen, K. C., O'Brien, S. P., & Brody, D. L. (2013). Repetitive Concussive Traumatic Brain Injury Interacts with Post-Injury Foot Shock Stress to Worsen Social and Depression- Like Behavior in Mice. Plos one, 8(9), e74510. doi: 10.1371/journal.pone.0074510. <http://dx.doi.org/10.1371%2Fjournal.pone.0074510>

Klempin, F., Marr, R. A., & Peterson, D. A. (2012). Modification of Pax6 and Olig2 Expression in Adult Hippocampal Neurogenesis Selectively Induces Stem Cell Fate and Alters Both Neuronal and Glial Populations. *Stem Cells*, 30(3), 500-509. doi: 10.1002/stem.1005. <http://dx.doi.org/10.1002/stem.1005>

Klintsova, A. Y., Helfer, J. L., Calizo, L. H., Dong, W. K., Goodlett, C. R., & Greenough, W. T. (2007). Persistent Impairment of Hippocampal Neurogenesis in Young Adult Rats Following Early Postnatal Alcohol Exposure. *Alcoholism: Clinical and Experimental Research*, 0(0), ???-??? doi: doi:10.1111/j.1530-0277.2007.00528.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1530-0277.2007.00528.x>

Klintsova, A. Y., Scamra, C., Hoffman, M., Napper, R., Goodlett, C. R., & Greenough, W. T. (2002). Therapeutic effects of complex motor training on motor performance deficits induced by neonatal binge-like alcohol exposure in rats::: II. A quantitative stereological study of synaptic plasticity in female rat cerebellum. *Brain Research*, 937(1-2), 83-93. doi.

Klivenyi, P., Calingasan, N. Y., Starkov, A., Stavrovskaya, I. G., Kristal, B. S., Yang, L., . . . Beal, M. F. (2004). Neuroprotective mechanisms of creatine occur in the absence of mitochondrial creatine kinase. *Neurobiology of Disease*, 15(3), 610-617. doi.

Klivenyi, P., Ferrante, R. J., Gardian, G., Browne, S., Chabrier, P.-E., & Beal, M. F. (2003). Increased survival and neuroprotective effects of BN82451 in a transgenic mouse model of Huntington's disease. *Journal of Neurochemistry*, 86(1), 267-272. doi: doi:10.1046/j.1471-4159.2003.t01-1-01868.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.t01-1-...>

Klivenyi, P., Gardian, G., Calingasan, N. Y., Yang, L., & Beal, M. F. (2003). Additive neuroprotective effects of creatine and a cyclooxygenase 2 inhibitor against dopamine

depletion in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP) mouse model of Parkinson's disease. *Journal of Molecular Neuroscience*, 21(3), 191-198. doi.

Klivenyi, P., Gardian, G., Calingasan, N. Y., Yang, L., von Borstel, R., Saydoff, J., . . . Beal, M. F. (2004). Neuroprotective effects of oral administration of triacetyluridine against MPTP neurotoxicity. *Neuromolecular Medicine*, 6(2), 87-92. doi.

Klivenyi, P., Kiaei, M., Gardian, G., Calingasan, N. Y., & Beal, M. F. (2004). Additive neuroprotective effects of creatine and cyclooxygenase 2 inhibitors in a transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 88(3), 576-582. doi: doi:10.1046/j.1471-4159.2003.02160.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.02160.x>

Klivenyi, P., Starkov, A. A., Calingasan, N. Y., Gardian, G., Browne, S. E., Yang, L., . . . Beal, M. F. (2004). Mice deficient in dihydrolipoamide dehydrogenase show increased vulnerability to MPTP, malonate and 3-nitropropionic acid neurotoxicity. *Journal of Neurochemistry*, 88(6), 1352-1360. doi. <http://www.blackwell-synergy.com/links/doi/10.1046/j.1471-4159.2003.0226...>

Klivenyi, P., & Vecsei, L. (2011). Pharmacological Models of Parkinson's Disease in Rodents. *Methods in Molecular Medicine*, 793, 211-211. doi.

Klocke, C., Allen, J. L., Sobolewski, M., Blum, J. L., Zelikoff, J. T., & Cory-Slechta, D. A. (2017). Exposure to Fine and Ultrafine Particulate Matter during Gestation Alters Postnatal Oligodendrocyte Maturation, Proliferation Capacity, and Myelination. *Neurotoxicology*. doi: <https://doi.org/10.1016/j.neuro.2017.10.004>. <http://www.sciencedirect.com/science/article/pii/S0161813X17302085>

Klocke, C., Allen, J. L., Sobolewski, M., Mayer-Pröschel, M., Blum, J. L., Lauterstein, D., . . . Cory-Slechta, D. A. (2017). Neuropathological Consequences of Gestational Exposure to Concentrated Ambient Fine and Ultrafine Particles in the Mouse. *Toxicological Sciences*. doi: 10.1093/toxsci/kfx010. <http://toxsci.oxfordjournals.org/content/early/2017/01/13/toxsci.kfx010....>

Klomp, A., Václavů, L., Meerhoff, G. F., Reneman, L., & Lucassen, P. J. (2014). Effects of Chronic Fluoxetine Treatment on Neurogenesis and Tryptophan Hydroxylase Expression in Adolescent and Adult Rats. *Plos one*, 9(5), e97603. doi: 10.1371/journal.pone.0097603. <http://dx.doi.org/10.1371%2Fjournal.pone.0097603>

Knaepen, L., Patijn, J., Van Kleef, M., Mulder, M., Tibboel, D., & Joosten, E. A. J. (2012). Neonatal repetitive needle pricking: Plasticity of the spinal nociceptive circuit and extended post-operative pain in later life. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22047. <http://dx.doi.org/10.1002/dneu.22047>

Knafo, S., Venero, C., Merino-Serrais, P., Feraud-Espinosa, I., Gonzalez-Soriano, J., Ferrer, I., . . . DeFelipe, J. (2009). Morphological alterations to neurons of the amygdala and impaired fear conditioning in a transgenic mouse model of Alzheimer's disease. *Journal of Pathology*, 219(1), 41-51. doi.

Kneynsberg, A., Collier, T. J., Manfredsson, F. P., & Kanaan, N. M. (2016). Quantitative and semi-quantitative measurements of axonal degeneration in tissue and primary neuron cultures. *Journal of Neuroscience Methods*, 266, 32-41. doi: <http://dx.doi.org/10.1016/j.jneumeth.2016.03.004>. <http://www.sciencedirect.com/science/article/pii/S0165027016300115>

Kneynsberg, A., & Kanaan, N. M. (2017). Aging Does Not Affect Axon Initial Segment Structure and Somatic Localization of Tau Protein in Hippocampal Neurons of Fischer 344 Rats. [10.1523/ENEURO.0043-17.2017]. *eneuro*, 4(4). doi: <http://eneuro.org/content/4/4/ENEURO.0043-17.2017.abstract>

Knight, J. C., Scharf, E. L., & Mao-Draayer, Y. (2010). Fas activation increases neural progenitor cell survival. *Journal of Neuroscience Research*, 88(4), 746-757. doi.

Knorr, S., Rauschenberger, L., Pasos, U. R., Friedrich, M. U., Peach, R. L., Grundmann-Hauser, K., . . . Ip, C. W. (2021). The evolution of dystonia-like movements in TOR1A rats after transient nerve injury is accompanied by dopaminergic dysregulation and abnormal oscillatory activity of a central motor network. *Neurobiology of Disease*, 154, 105337. doi: <https://doi.org/10.1016/j.nbd.2021.105337>. <https://www.sciencedirect.com/science/article/pii/S0969996121000863>

Knowles, J. K., Rajadas, J., Nguyen, T.-V. V., Yang, T., LeMieux, M. C., Vander Griend, L., . . . Longo, F. M. (2009). The p75 Neurotrophin Receptor Promotes Amyloid- β (1-42)-Induced Neuritic Dystrophy In Vitro and In Vivo. *Journal of Neuroscience*, 29(34), 10627-10637. doi: 10.1523/jneurosci.0620-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/34/10627>

Knowles, J. K., Simmons, D. A., Nguyen, T.-V. V., Vander Griend, L., Xie, Y., Zhang, H., . . . Longo, F. M. (2013). A small molecule p75NTR ligand prevents cognitive deficits and neurite degeneration in an Alzheimer's mouse model. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2013.02.015>. <http://www.sciencedirect.com/science/article/pii/S0197458013000882>

Knowlton, N. S., Craig, L. B., Zavy, M. T., & Hansen, K. R. (2014). Validation of the power model of ovarian nongrowing follicle depletion associated with aging in women. *Fertility and Sterility*, (0). doi: <http://dx.doi.org/10.1016/j.fertnstert.2013.12.008>. <http://www.sciencedirect.com/science/article/pii/S0015028213034274>

Knuesel, I., Nyffeler, M., Mormède, C., Muhia, M., Meyer, U., Pietropaolo, S., . . . Feldon, J. (2009). Age-related accumulation of Reelin in amyloid-like deposits. *Neurobiology of Aging*, 30(5), 697-716. doi.

Knutson, D. C., Mitzey, A. M., Talton, L. E., & Clagett-Dame, M. (2015). Mice null for NEDD9 (HEF1) display extensive hippocampal dendritic spine loss and cognitive impairment. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2015.12.005>. <http://www.sciencedirect.com/science/article/pii/S0006899315009440>

Kobayashi, K., Sano, H., Kato, S., Kuroda, K., Nakamuta, S., Isa, T., . . . Kobayashi, K. (2016). Survival of corticostriatal neurons by Rho/Rho-kinase signaling pathway. *Neuroscience Letters*. doi: <http://dx.doi.org/10.1016/j.neulet.2016.07.020>. <http://www.sciencedirect.com/science/article/pii/S0304394016305146>

Kobayashi, M., Wen, X., & Buckmaster, P. S. (2003). Reduced Inhibition and Increased Output of Layer II Neurons in the Medial Entorhinal Cortex in a Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*, 23(24), 8471-8479. doi: <http://www.jneurosci.org/cgi/content/abstract/23/24/8471>

Kobilo, T., Liu, Q. R., Gandhi, K., Mughal, M., Shaham, Y., & van Praag, H. (2011). Running is the neurogenic and neurotrophic stimulus in environmental enrichment. *Learning and Memory*, 18(9), 605-609. doi.

Kobilo, T., Yuan, C., & van Praag, H. (2011). Endurance factors improve hippocampal neurogenesis and spatial memory in mice. *Learning and Memory*, 18(2), 103-107. doi.

Kobori, N., & Dash, P. K. (2006). Reversal of Brain Injury-Induced Prefrontal Glutamic Acid Decarboxylase Expression and Working Memory Deficits by D1 Receptor Antagonism. *Journal of Neuroscience*, 26(16), 4236-4246. doi: 10.1523/jneurosci.4687-05.2006. <http://www.jneurosci.org/cgi/content/abstract/26/16/4236>

Kobori, N., Hu, B., & Dash, P. K. (2011). Altered adrenergic receptor signaling following traumatic brain injury contributes to working memory dysfunction. *Neuroscience*, 172, 293-302. doi.

Kobro-Flatmoen, A., Nagelhus, A., & Witter, M. P. (2016). Reelin-immunoreactive neurons in entorhinal cortex layer II selectively express intracellular amyloid in early Alzheimer's disease. *Neurobiology of Disease*, 93, 172-183. doi: <http://dx.doi.org/10.1016/j.nbd.2016.05.012>. <http://www.sciencedirect.com/science/article/pii/S0969996116301061>

Koca, C. G., Sadry, S., Asker, H., Çiçek, M. F., Kösehasanoğulları, M., & Kaya, G. (2021). Effects of the different administration frequencies of teriparatide (PTH [1-34]) on new bone formation of expanded midpalatal sutures in rats: A histomorphometric and micro- computed tomography analysis. <https://doi.org/10.1111/ocr.12512>. *Orthodontics & Craniofacial Research*, n/a(n/a). doi: <https://doi.org/10.1111/ocr.12512>. <https://doi.org/10.1111/ocr.12512>

Koch, S., Molchanova, S. M., Wright, A. K., Edwards, A., Cooper, J. D., Taira, T., . . . Tyynelä, J. (2011). Morphologic and Functional Correlates of Synaptic Pathology in the Cathepsin D Knockout Mouse Model of Congenital Neuronal Ceroid Lipofuscinosis. *Journal of Neuropathology and Experimental Neurology*, 70(12), 1089-1096. doi: http://journals.lww.com/jneuropath/Fulltext/2011/12000/Morphologic_and_F...

Kodali, M., Hattiangady, B., Shetty, G. A., Bates, A., Shuai, B., & Shetty, A. K. (2018). Curcumin treatment leads to better cognitive and mood function in a model of Gulf War Illness with

enhanced neurogenesis, and alleviation of inflammation and mitochondrial dysfunction in the hippocampus. *Brain, Behavior, and Immunity*.

doi: <https://doi.org/10.1016/j.bbi.2018.01.009>.

<http://www.sciencedirect.com/science/article/pii/S0889159118300096>

Kodali, M., Megahed, T., Mishra, V., Shuai, B., Hattiangady, B., & Shetty, A. K. (2016). Voluntary Running Exercise-Mediated Enhanced Neurogenesis Does Not Obliterate Retrograde Spatial Memory. *The Journal of Neuroscience*, 36(31), 8112-8122.

doi: <http://www.jneurosci.org/content/36/31/8112.short>

Kodali, M., Parihar, V. K., Hattiangady, B., Mishra, V., Shuai, B., & Shetty, A. K. (2015). Resveratrol Prevents Age-Related Memory and Mood Dysfunction with Increased Hippocampal Neurogenesis and Microvasculature, and Reduced Glial Activation. [Article]. *Sci. Rep.*, 5. doi: 10.1038/srep08075

<http://www.nature.com/srep/2015/150128/srep08075/abs/srep08075.html#supp>

.....<http://dx.doi.org/10.1038/srep08075>

/

[/dx.doi.org/10.1038/srep08075](http://dx.doi.org/10.1038/srep08075)

Koehl, M., Ladevèze, E., Catania, C., Cota, D., & Abrous, D. N. (2021). Inhibition of mTOR signaling by genetic removal of p70 S6 kinase 1 increases anxiety-like behavior in mice. *Translational Psychiatry*, 11(1), 165. doi: 10.1038/s41398-020-01187-

5. <https://doi.org/10.1038/s41398-020-01187-5>

Koehl, M., Meerlo, P., Gonzales, D., Rontal, A., Turek, F. W., & Abrous, D. N. (2008). Exercise- induced promotion of hippocampal cell proliferation requires β -endorphin. *Faseb Journal*, 22(7), 2253-2262. doi:

Koenig, C. M., Walker, C. K., Qi, L., Pessah, I. N., & Berman, R. F. (2012). Lack of Evidence for Neonatal Misoprostol Neurodevelopmental Toxicity in C57BL6/J Mice. *Plos one*, 7(6), e38911. doi: 10.1371/journal.pone.0038911.

<http://dx.doi.org/10.1371/journal.pone.0038911>

Koenig, M. A., Jia, X., Kang, X., Velasquez, A., Thakor, N. V., & Geocadin, R. G. (2009). Intraventricular orexin-A improves arousal and early EEG entropy in rats after cardiac arrest. *Brain Research*, 1255, 153-161. doi:

Koga, Y., Tsuchimoto, D., Hayashi, Y., Abolhassani, N., Yoneshima, Y., Sakumi, K., . . . Nakabeppu, Y. (2020). Neural stem cell-specific ITPA deficiency causes neural depolarization and epilepsy. *JCI Insight*, 5(22). doi:

10.1172/jci.insight.140229. <https://doi.org/10.1172/jci.insight.140229>

Koh, M. T., Spiegel, A. M., & Gallagher, M. (2014). Age-associated changes in hippocampal-dependent cognition in Diversity Outbred mice. *Hippocampus*, n/a-n/a. doi:

10.1002/hipo.22311. <http://dx.doi.org/10.1002/hipo.22311>

Kohl, Z., Abdallah, N. B., Vogelgsang, J., Tischer, L., Deusser, J., Amato, D., ... Winkler, J. (2015). Severely impaired hippocampal neurogenesis associates with an early serotonergic deficit in a BAC α -synuclein transgenic rat model of Parkinson's disease. *Neurobiology of Disease*.

doi: <http://dx.doi.org/10.1016/j.nbd.2015.10.021>.
<http://www.sciencedirect.com/science/article/pii/S0969996115300796>

Kohl, Z., Kandasamy, M., Winner, B., Aigner, R., Gross, C., Couillard-Despres, S., . . . Winkler, J. (2007). Physical activity fails to rescue hippocampal neurogenesis deficits in the R6/2 mouse model of Huntington's disease. *Brain Research*, 1155, 24-33. doi.

Kohl, Z., Kuhn, H. G., Cooper-Kuhn, C. M., J. Winkler, L. A., & Kempermann, G. (2002). Prewaning enrichment has no lasting effects on adult hippocampal neurogenesis in four- month-old mice involved different levels of regulation, i.e. proliferation, survival. *Genes, Brain and Behavior*, 1, 46-54. doi.

Kohl, Z., Regensburger, M., Aigner, R., Kandasamy, M., Winner, B., Aigner, L., & Winkler, J. (2010). Impaired adult olfactory bulb neurogenesis in the R6/2 mouse model of Huntington's disease. *BMC Neuroscience*, 11(1), 114. doi. <http://www.biomedcentral.com/1471-2202/11/114>

Kohl, Z., Winner, B., Ubhi, K., Rockenstein, E., Mante, M., Münch, M., . . . Winkler, J. (2012). Fluoxetine rescues impaired hippocampal neurogenesis in a transgenic A53T synuclein mouse model. *European Journal of Neuroscience*, 35(1), 10-19. doi.

Kohlsdorf, T., James, R. S., Carvalho, J. E., Wilson, R. S., Dal Pai-Silva, M., & Navas, C. A. (2004). Locomotor performance of closely related *Tropidurus* species: relationships with physiological parameters and ecological divergence. *Journal of Experimental Biology*, 207(7), 1183-1183. doi.

Kohlsdorf, T., & Navas, C. (2012). Evolution of form and function: morphophysiological relationships and locomotor performance in tropidurine lizards. *Journal of Zoology*. doi.

Kohn Cordeiro, K., Graciolli Cordeiro, J., Lopes Furlanetti, L., Garcia Salazar, J. A., Tenório, S. B., Winkler, C., . . . Nikkhah, G. (2014). Subthalamic nucleus lesion improves cell survival and functional recovery following dopaminergic cell transplantation in parkinsonian rats. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12541. <http://dx.doi.org/10.1111/ejn.12541>

Kokcu, A., Alper, T., Ogur, G., Akar, O. S., Kurtoglu Ozdes, E., & Altunkaynak, B. Z. (2020). Imiquimod Inhibits Proliferation of Serous Epithelial Ovarian Cancer Cells In Vitro: A Preliminary Study. *Indian Journal of Gynecologic Oncology*, 18(2), 45. doi: 10.1007/s40944- 020-00390-y. <https://doi.org/10.1007/s40944-020-00390-y>

Kolahdouzi, S., Talebi-Garakani, E., Hamidian, G., & Safarzade, A. (2019). Exercise training prevents high-fat diet-induced adipose tissue remodeling by promoting capillary density and macrophage polarization. *Life Sciences*, 220, 32-43. doi: <https://doi.org/10.1016/j.lfs.2019.01.037>. <http://www.sciencedirect.com/science/article/pii/S0024320519300517>

Koliatsos, V. E., Dawson, T. M., Kecojevic, A., Zhou, Y., Wang, Y.-F., & Huang, K. X. (2004). Cortical interneurons become activated by deafferentation and instruct the apoptosis of pyramidal neurons. *Proceedings of the National Academy of Sciences*, 101(39), 14264-14269.

doi: 10.1073/Proceedings of the National Academy of Sciences.0404364101. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/39/14264>

Koliatsos, V. E., Kecojevic, A., Troncoso, J. C., Gastard, M. C., Bennett, D. A., & Schneider, J. A. (2006). Early involvement of small inhibitory cortical interneurons in Alzheimer's disease. *Acta Neuropathologica*, 112(2), 147-162. doi.

Kollensperger, M., Krismer, F., Pallua, A., Stefanova, N., Poewe, W., & Wenning, G. K. (2011). Erythropoietin is neuroprotective in a transgenic mouse model of multiple system atrophy. *Movement Disorders*. doi.

Kollensperger, M., Stefanova, N., Pallua, A., Puschban, Z., Dechant, G., Hainzer, M., . . . Wenning, G. K. (2009). Striatal transplantation in a rodent model of multiple system atrophy: Effects on L-Dopa response. *Journal of Neuroscience Research*, 87(7), 1679-1685. doi.

Kolter, J. F., Hildenbrand, M. F., Popp, S., Nauroth, S., Bankmann, J., Rother, L., . . . Schmitt-Böhrer, A. (2021). Serotonin transporter genotype modulates resting state and predator stress-induced amygdala perfusion in mice in a sex-dependent manner. *Plos one*, 16(2), e0247311. doi: 10.1371/journal.pone.0247311. <https://doi.org/10.1371/journal.pone.0247311>

Komitova, M., Xenos, D., Salmaso, N., May Tran, K., Brand, T., Schwartz, M. L., . . . Vaccarino, F. M. (2013). Hypoxia-Induced Developmental Delays of Inhibitory Interneurons Are Reversed by Environmental Enrichment in the Postnatal Mouse Forebrain. *Journal of Neuroscience*, 33(33), 13375-13387. doi: 10.1523/jneurosci.5286-12.2013. <http://www.jneurosci.org/content/33/33/13375.abstract>

Komnig, D., Dagli, C. T., Habib, P., Zeyen, T., Schulz, J. B., & Falkenburger, B. H. (2018). Fingolimod (FTY720) is not protective in the subacute MPTP mouse model of Parkinson disease and does not lead to a sustainable increase of brain BDNF. *Journal of Neurochemistry*, 0(ja). doi: doi:10.1111/jnc.14575. <https://onlinelibrary.wiley.com/doi/abs/10.1111/jnc.14575>

Komnig, D., Imgrund, S., Reich, A., Gründer, S., & Falkenburger, B. H. (2016). ASIC1a Deficient Mice Show Unaltered Neurodegeneration in the Subacute MPTP Model of Parkinson Disease. *Plos one*, 11(11), e0165235. doi: 10.1371/journal.pone.0165235. <http://dx.doi.org/10.1371%2Fjournal.pone.0165235>

Komnig, D., Schulz, J. B., Reich, A., & Falkenburger, B. H. (2016). Mice lacking Faim2 show increased cell death in the MPTP mouse model of Parkinson Disease. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13847. <http://dx.doi.org/10.1111/jnc.13847>

Kondo, Y., Windrem, M. S., Zou, L., Chandler-Militello, D., Schanz, S. J., Auvergne, R. M., . . . Goldman, S. A. (2014). Human glial chimeric mice reveal astrocytic dependence of JC virus infection. *The Journal of Clinical Investigation*, 124(12), 5323-5336. doi: 10.1172/jci76629. <http://www.jci.org/articles/view/76629>

Koneczny, I., Rennspiess, D., Marcuse, F., Hamid, M. A., Damas, M., Maessen, J., . . . Martinez-Martinez, P. (2018). Characterization of the thymus in Lrp4 myasthenia gravis: Four cases.

Autoimmunity Reviews.

doi: <https://doi.org/10.1016/j.autrev.2018.07.011>.
<http://www.sciencedirect.com/science/article/pii/S156899721830260X>

Konen, L. M., Wright, A. L., Royle, G. A., Morris, G. P., Lau, B. K., Seow, P. W., . . . Vissel, B. (2020). A new mouse line with reduced GluA2 Q/R site RNA editing exhibits loss of dendritic spines, hippocampal CA1-neuron loss, learning and memory impairments and NMDA receptor-independent seizure vulnerability. *Molecular Brain*, 13(1), 27. doi: 10.1186/s13041-020-0545-1. <https://doi.org/10.1186/s13041-020-0545-1>

Kong, A. M., Yap, K. K., Lim, S. Y., Marre, D., Pébay, A., Gerrand, Y.-w., . . . Mitchell, G. M. (2019). Bio-engineering a tissue flap utilizing a porous scaffold incorporating a human induced pluripotent stem cell-derived endothelial cell capillary network connected to a vascular pedicle. *Acta Biomaterialia*. doi: <https://doi.org/10.1016/j.actbio.2019.05.067>.
<http://www.sciencedirect.com/science/article/pii/S1742706119303940>

Kong, H., Sha, L.-L., Fan, Y., Xiao, M., Ding, J.-h., Wu, J., & Hu, G. (2008). Requirement of AQP4 for Antidepressive Efficiency of Fluoxetine: Implication in Adult Hippocampal Neurogenesis. *Neuropsychopharmacology*, 34(5), 1263-1276. doi. <http://dx.doi.org/10.1038/npp.2008.185>

<http://www.nature.com/npp/journal/vaop/ncurrent/supplinfo/npp2008185s1.ht...>

Kong, H., Zeng, X.-N., Fan, Y., Yuan, S.-T., Ge, S., Xie, W.-P., . . . Hu, G. (2014). Aquaporin-4 Knockout Exacerbates Corticosterone-Induced Depression by Inhibiting Astrocyte Function and Hippocampal Neurogenesis. *CNS Neuroscience & Therapeutics*, n/a-n/a. doi: 10.1111/cns.12222. <http://dx.doi.org/10.1111/cns.12222>

Kong, L., Wang, X., Choe, D. W., Polley, M., Burnett, B. G., Bosch-Marce, M., . . . Sumner, C. J. (2009). Impaired Synaptic Vesicle Release and Immaturity of Neuromuscular Junctions in Spinal Muscular Atrophy Mice. *Journal of Neuroscience*, 29(3), 842-851. doi: 10.1523/jneurosci.4434-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/3/842>

Kono, J., Konno, K., Talukder, A. H., Fuse, T., Abe, M., Uchida, K., . . . Itoi, K. (2016). Distribution of corticotropin-releasing factor neurons in the mouse brain: a study using corticotropin-releasing factor-modified yellow fluorescent protein knock-in mouse. [journal article]. *Brain Structure and Function*, 1-28. doi: 10.1007/s00429-016-1303-0. <http://dx.doi.org/10.1007/s00429-016-1303-0>

Konopaske, G. T., Sweet, R. A., Wu, Q., Sampson, A., & Lewis, D. A. (2006). Regional specificity of chandelier neuron axon terminal alterations in schizophrenia. *Neuroscience*, 138(1), 189-196. doi.

Konradi, C., Yang, C. K., Zimmerman, E. I., Lohmann, K. M., Gresch, P., Pantazopoulos, H., . . . Heckers, S. (2011). Hippocampal interneurons are abnormal in schizophrenia. *Schizophrenia Research*. doi.

Konradi, C., Zimmerman, E. I., Yang, C. K., Lohmann, K. M., Gresch, P., Pantazopoulos, H., . . . Heckers, S. (2010). Hippocampal Interneurons in Bipolar Disorder. *Archives of General Psychiatry*, archgenpsychiatry.2010.2175. doi: 10.1001/archgenpsychiatry.2010.175. <http://archpsyc.ama-assn.org/cgi/content/abstract/archgenpsychiatry.2010.2175>

Kopec, A. K., Kim, S., Forgacs, A. L., Zacharewski, T. R., Proctor, D. M., Harris, M. A., . . . Thompson, C. M. (2011). Genome-wide gene expression effects in B6C3F1 mouse intestinal epithelia following 7 and 90 days of exposure to hexavalent chromium in drinking water. *Toxicology and Applied Pharmacology*. doi.

Koprach, J. B., Chen, E. Y., Kanaan, N. M., Campbell, N. G., Kordower, J. H., & Lipton, J. W. (2003). Prenatal 3, 4-methylenedioxymethamphetamine (ecstasy) alters exploratory behavior, reduces monoamine metabolism, and increases forebrain tyrosine hydroxylase fiber density of juvenile rats. *Neurotoxicology and Teratology*, 25(5), 509-517. doi.

Koprach, J. B., Johnston, T. H., Huot, P., Reyes, M. G., Espinosa, M., & Brotchie, J. M. (2011). Progressive Neurodegeneration or Endogenous Compensation in an Animal Model of Parkinson's Disease Produced by Decreasing Doses of Alpha-Synuclein. *PLoS ONE*, 6(3), e17698-e17698. doi.

Koprach, J. B., Johnston, T. H., Reyes, G., Omana, V., & Brotchie, J. M. (2016). Towards a Non- Human Primate Model of Alpha-Synucleinopathy for Development of Therapeutics for Parkinson's Disease: Optimization of AAV1/2 Delivery Parameters to Drive Sustained Expression of Alpha Synuclein and Dopaminergic Degeneration in Macaque. *Plos one*, 11(11), e0167235. doi: 10.1371/journal.pone.0167235. <http://dx.doi.org/10.1371%2Fjournal.pone.0167235>

Koprach, J. B., Johnston, T. H., Reyes, M. G., Sun, X., & Brotchie, J. M. (2010). Expression of human A53T alpha-synuclein in the rat substantia nigra using a novel AAV1/2 vector produces a rapidly evolving pathology with protein aggregation, dystrophic neurite architecture and nigrostriatal degeneration with potential to model the pathology of Parkinson's disease. *Molecular Neurodegeneration*, 5(1), 1-12. doi.

Koprach, J. B., Reske-Nielsen, C., Mithal, P., & Isacson, O. (2008). Neuroinflammation mediated by IL-1 β increases susceptibility of dopamine neurons to degeneration in an animal model of Parkinson's disease. *Journal of neuroinflammation*, 5(1), 8-8. doi.

Kordower, J. H., Chen, E. Y., & Morrison, J. H. (2010). Long-term gonadal hormone treatment and endogenous neurogenesis in the dentate gyrus of the adult female monkey. *Experimental Neurology*, 224(1), 252-257. doi.

Kordower, J. H., Herzog, C. D., Dass, B., Bakay, R. A. E., Stansell Iii, J., Gasmi, M., & Bartus, R. T. (2006). Delivery of neurturin by AAV2 (CERE-120)-mediated gene transfer provides structural and functional neuroprotection and neurorestoration in MPTP-treated monkeys. *Annals of Neurology*, 60(6), 706-715. doi.

Kordower, J. H., Olanow, C. W., Dodiya, H. B., Chu, Y., Beach, T. G., Adler, C. H., . . . Bartus, R. T. (2013). Disease duration and the integrity of the nigrostriatal system in Parkinson's disease.

Brain, 136(8), 2419-2431. doi:

10.1093/brain/awt192. <http://brain.oxfordjournals.org/content/136/8/2419.abstract>

Korgan, A. C., Vonkeman, J., Esser, M. J., & Perrot, T. S. (2015). An enhanced home cage modulates hypothalamic CRH-ir Labeling in juvenile rats, with and without sub-threshold febrile convulsions. *Developmental Psychobiology*, 57(3), 374-381. doi: 10.1002/dev.21300. <http://dx.doi.org/10.1002/dev.21300>

Korkmaz, O. T., Ay, H., Aytan, N., Carreras, I., Kowall, N. W., Dedeoglu, A., & Tuncel, N. (2018). Vasoactive Intestinal Peptide Decreases β -Amyloid Accumulation and Prevents Brain Atrophy in the 5xFAD Mouse Model of Alzheimer's Disease. [journal article]. *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-018-1226-8. <https://doi.org/10.1007/s12031-018-1226-8>

Korkmaz, O. T., Ay, H., Ulupinar, E., & Tuncel, N. (2012). Vasoactive Intestinal Peptide Enhances Striatal Plasticity and Prevents Dopaminergic Cell Loss in Parkinsonian Rats. *Journal of Molecular Neuroscience*, 1-9. doi.

Korkmaz, O. T., Aytan, N., Carreras, I., Choi, J.-K., Kowall, N. W., Jenkins, B. G., & Dedeoglu, A. (2014). 7,8-Dihydroxyflavone improves motor performance and enhances lower motor neuronal survival in a mouse model of amyotrophic lateral sclerosis. *Neuroscience Letters*, (0).

doi: <http://dx.doi.org/10.1016/j.neulet.2014.02.058>. <http://www.sciencedirect.com/science/article/pii/S0304394014001712>

Kosaka, K., & Kosaka, T. (2013). Secretagogin-containing neurons in the mouse main olfactory bulb. *Neuroscience Research*, (0).

doi: <http://dx.doi.org/10.1016/j.neures.2013.08.006>. <http://www.sciencedirect.com/science/article/pii/S0168010213001910>

Köse, O., Arabacı, T., Gedikli, S., Eminoglu, D. Ö., Kermen, E., Kızıldağ, A., . . . Yemenoglu, H. (2016). Biochemical and histopathologic analysis of the effects of periodontitis on left ventricular heart tissues of rats. *Journal of Periodontal Research*, n/a-n/a. doi: 10.1111/jre.12380. <http://dx.doi.org/10.1111/jre.12380>

Kose, O., Arabaci, T., Kara, A., Yemenoglu, H., Kermen, E., Kizildag, A., . . . Ozkanlar, S. (2016). Effects of Melatonin on Oxidative Stress Index and Alveolar Bone Loss in Diabetic Rats With Periodontitis. *Journal of Periodontology*, 1-15. doi: 10.1902/jop.2016.150541. <http://dx.doi.org/10.1902/jop.2016.150541>

Köse, O., Arabacı, T., Kizildag, A., Erdemci, B., Özkal Eminoğlu, D., Gedikli, S., . . . Kermen, E. (2016). Melatonin prevents radiation-induced oxidative stress and periodontal tissue breakdown in irradiated rats with experimental periodontitis. *Journal of Periodontal Research*, n/a-n/a. doi: 10.1111/jre.12409. <http://dx.doi.org/10.1111/jre.12409>

Kosloski, L. M., Kosmacek, E. A., Olson, K. E., Mosley, R. L., & Gendelman, H. E. (2013). GM-CSF induces neuroprotective and anti-inflammatory responses in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine intoxicated mice. *Journal of Neuroimmunology*, (0).

doi: <http://dx.doi.org/10.1016/j.jneuroim.2013.10.009>.
<http://www.sciencedirect.com/science/article/pii/S0165572813003044>

Koson, P., Zilka, N., Kovac, A., Kovacech, B., Korenova, M., Filipcik, P., & Novak, M. (2008). Truncated tau expression levels determine life span of a rat model of tauopathy without causing neuronal loss or correlating with terminal neurofibrillary tangle load. *European Journal of Neuroscience*, 28(2), 239-246. doi.

Koss, M., Bolze, A., Brendolan, A., Saggese, M., Capellini, T. D., Bojilova, E., . . . Solloway, M. (2012). Congenital Asplenia in Mice and Humans with Mutations in a Pbx/Nkx2-5/p15 Module. *Developmental Cell*. doi.

Koss, W., Sadowski, R., Sherrill, L., Gulley, J., & Juraska, J. (2012). Effects of ethanol during adolescence on the number of neurons and glia in the medial prefrontal cortex and basolateral amygdala of adult male and female rats. *Brain Research*. doi.

Koss, W. A., Lloyd, M. M., Sadowski, R. N., Wise, L. M., & Juraska, J. M. (2015). Gonadectomy before puberty increases the number of neurons and glia in the medial prefrontal cortex of female, but not male, rats. *Developmental Psychobiology*, 57(3), 305-312. doi: 10.1002/dev.21290. <http://dx.doi.org/10.1002/dev.21290>

Kotake, B. G. D. S., Gonzaga, M. G., Coutinho-Netto, J., Ervolino, E., de Figueiredo, F. A. T., & Issa, J. P. M. (2017). Bone repair of critical sized defects in Wistar rats treated with autogenic, allogenic or xenogenic bone grafts alone or in combination with natural latex fraction F1. *Biomedical Materials*. doi. <http://iopscience.iop.org/article/10.1088/1748-605X/aa9504/meta>

Kotterman, M. A., Vazin, T., & Schaffer, D. V. (2015). Enhanced selective gene delivery to neural stem cells in vivo by an adeno-associated viral variant. *Development*, 142(10), 1885- 1892. doi: 10.1242/dev.115253. <http://dev.biologists.org/content/142/10/1885.abstract>

Kougias, D. G., Sellinger, E. P., Willing, J., & Juraska, J. M. (2018). Perinatal exposure to an environmentally relevant mixture of phthalates results in a lower number of neurons and synapses in the medial prefrontal cortex and decreased cognitive flexibility in adult male and female rats. [10.1523/JNEUROSCI.0607-18.2018]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2018/07/16/JNEUROSCI.0607-18.2018..>

Kousik, S. M., Carvey, P. M., & Napier, T. C. (2014). Methamphetamine self-administration results in persistent dopaminergic pathology: implications for Parkinson's disease risk and reward-seeking. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12628. <http://dx.doi.org/10.1111/ejn.12628>

Kousik, S. M., Graves, S. M., Napier, T. C., Zhao, C., & Carvey, P. M. (2011). Methamphetamine-induced vascular changes lead to striatal hypoxia and dopamine reduction. *Neuroreport*, 22(17), 923-923. doi.

Kovács, A. D., Saje, A., Wong, A., Ramji, S., Cooper, J. D., & Pearce, D. A. (2012). Age-dependent therapeutic effect of memantine in a mouse model of juvenile batten disease. *Neuropharmacology*. doi.

Kovács, A. D., Saje, A., Wong, A., Szénási, G., Kiricsi, P., Szabó, É., . . . Pearce, D. A. (2011). Temporary inhibition of AMPA receptors induces a prolonged improvement of motor performance in a mouse model of juvenile Batten disease. *Neuropharmacology*, 60(2), 405-409. doi.

Kovalenko, M., Milnerwood, A., Giordano, J., St Claire, J., Guide, J. R., Stromberg, M., . . . MacDonald, M. E. (2018). Htt Q111/+ Huntington's Disease Knock-in Mice Exhibit Brain Region-Specific Morphological Changes and Synaptic Dysfunction. *Journal of Huntington's Disease*, 7(1), 17-33. doi. <https://content.iospress.com/articles/journal-of-huntingtons-disease/jhd...>

Kowsky, S., Poppelmeier, C., Kramer, E. R., Falkenburger, B. H., Kruse, A., Klein, R., & Schulz, J. B. (2007). RET signaling does not modulate MPTP toxicity but is required for regeneration of dopaminergic axon terminals. *Proceedings of the National Academy of Sciences*, 104(50), 20049-20054. doi: 10.1073/Proceedings of the National Academy of Sciences.0706177104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/50/20049>

Kozorovitskiy, Y., Gross, C. G., Kopil, C., Battaglia, L., McBreen, M., Stranahan, A. M., & Gould, E. (2005). Experience induces structural and biochemical changes in the adult primate brain. *Proceedings of the National Academy of Sciences*, 102(48), 17478-17482. doi: 10.1073/Proceedings of the National Academy of Sciences.0508817102. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/102/48/17478>

Kramer, E. R., Aron, L., Ramakers, G. M. J., Seitz, S., Zhuang, X., Beyer, K., . . . diger. (2007). Absence of Ret Signaling in Mice Causes Progressive and Late Degeneration of the Nigrostriatal System. *PLoS Biology*, 5(3), e39. doi. <http://dx.doi.org/10.1371%2Fjournal.pbio.0050039>

Krampert, M., Chirasani, S. R., Wachs, F. P., Aigner, R., Bogdahn, U., Yingling, J. M., . . . Heuchel, R. (2010). Smad7 Regulates the Adult Neural Stem/Progenitor Cell Pool in a Transforming Growth Factor β

-and Bone Morphogenetic Protein-Independent Manner. *Molecular and Cellular Biology*, 30(14), 3685-3694. doi.

Krashia, P., Cordella, A., Nobili, A., La Barbera, L., Federici, M., Leuti, A., . . . Mercuri, N. B. (2019). Blunting neuroinflammation with resolvin D1 prevents early pathology in a rat model of Parkinson's disease. *Nature Communications*, 10(1), 3945. doi: 10.1038/s41467-019-11928-w. <https://doi.org/10.1038/s41467-019-11928-w>

Kraszpulski, M., Dickerson, P. A., & Salm, A. K. (2006). Prenatal stress affects the developmental trajectory of the rat amygdala. *Stress*, 9(2), 85-95. doi.

Krebs, J., Römer, B., Overall, R. W., Fabel, K., Babu, H., Brandt, M., . . . Kempermann, G. (2011). Frontiers: Adult Hippocampal Neurogenesis and Plasticity in the Infrapyramidal Bundle of the Mossy Fiber Projection: II. Genetic Covariation and Identification of Nos1 as Linking Candidate Gene. *Frontiers in Neurogenesis*, 5. doi.

Krebs, J., Römer, B., Overall, R. W., Fabel, K., Babu, H., Brandt, M. D., . . . Kempermann, G. (2011). Adult hippocampal neurogenesis and plasticity in the infrapyramidal bundle of the mossy fiber projection: II. Genetic covariation and identification of Nos1 as linking candidate gene. *Frontiers in Neuroscience*, 5. doi.

Kreczmanski, P., Heinsen, H., Mantua, V., Woltersdorf, F., Masson, T., Ulfig, N., . . . others. (2009). Microvessel length density, total length, and length per neuron in five subcortical regions in schizophrenia. *Acta Neuropathologica*, 117(4), 409-421. doi.

Kreczmanski, P., Heinsen, H., Mantua, V., Woltersdorf, F., Masson, T., Ulfig, N., . . . Schmitz, C. (2007). Volume, neuron density and total neuron number in five subcortical regions in schizophrenia. *Brain*, 130, 678-692. doi.

Kreczmanski, P., Schmidt-Kastner, R., Heinsen, H., Steinbusch, H. W. M., Hof, P. R., & Schmitz, C. (2005). Stereological studies of capillary length density in the frontal cortex of schizophrenics. *Acta Neuropathologica*, 109(5), 510-518. doi.

Kriks, S., Shim, J. W., Piao, J., Ganat, Y. M., Wakeman, D. R., Xie, Z., . . . others. (2011). Dopamine neurons derived from human ES cells efficiently engraft in animal models of Parkinson's disease. *Nature*. doi.

Krishnasamy, S., Weng, Y.-C., Thammisetty, S. S., Phaneuf, D., Lalancette-Hebert, M., & Kriz, J. (2017). Molecular imaging of nestin in neuroinflammatory conditions reveals marked signal induction in activated microglia. [journal article]. *Journal of neuroinflammation*, 14(1), 45. doi: 10.1186/s12974-017-0816-7.
<http://dx.doi.org/10.1186/s12974-017-0816-7>

Krismer, F., Wenning, G. K., Li, Y., Poewe, W., & Stefanova, N. (2013). Intact Olfaction in a Mouse Model of Multiple System Atrophy. *Plos one*, 8(5), e64625. doi: 10.1371/journal.pone.0064625. <http://dx.doi.org/10.1371%2Fjournal.pone.0064625>

Kronenberg, G., Balkaya, M., Prinz, V., Gertz, K., Ji, S., Kirste, I., . . . Endres, M. (2012). Exofocal Dopaminergic Degeneration as Antidepressant Target in Mouse Model of Poststroke Depression. *Biological Psychiatry*, (0). doi: 10.1016/j.biopsych.2012.02.026.
<http://www.sciencedirect.com/science/article/pii/S0006322312001539>

Kronenberg, G., Bick-Sander, A., Bunk, E., Wolf, C., Ehninger, D., & Kempermann, G. (2006). Physical exercise prevents age-related decline in precursor cell activity in the mouse dentate gyrus. *Neurobiology of Aging*, 27(10), 1505-1513. doi.

Kronenberg, G., Gertz, K., Baldinger, T., Kirste, I., Eckart, S., Yildirim, F., . . . Endres, M. (2010). Impact of Actin Filament Stabilization on Adult Hippocampal and Olfactory Bulb Neurogenesis. *Journal of Neuroscience*, 30(9), 3419-3431. doi: 10.1523/jneurosci.4231-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/9/3419>

Kronenberg, G., Reuter, K., Steiner, B., Brandt, M. D., Jessberger, S., Yamaguchi, M., & Kempermann, G. (2003). Subpopulations of proliferating cells of the adult hippocampus respond differently to physiologic neurogenic stimuli. *Journal of Comparative Neurology*, 467(4), 455-463. doi.

Kronenberg, G., Uhlemann, R., Richter, N., Klempin, F., Wegner, S., Staerck, L., . . . Gertz, K. (2017). Distinguishing features of microglia- and monocyte-derived macrophages after stroke. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-017-1795-6. <https://doi.org/10.1007/s00401-017-1795-6>

Kronenberg, G., Wang, L.-P., Synowitz, M., Gertz, K., Katchanov, J., Glass, R., . . . Endres, M. (2005). Nestin-expressing cells divide and adopt a complex electrophysiologic phenotype after transient brain ischemia. *Journal of Cerebral Blood Flow and Metabolism*, 25(12), 1613- 1624. doi.

Krumova, P., Meulmeester, E., Garrido, M., Tirard, M., Hsiao, H.-H., Bossis, G., . . . Weishaupt, J. H. (2011). Sumoylation inhibits α -synuclein aggregation and toxicity. *Journal of Cell Biology*, 194(1), 49-60. doi: 10.1083/jcb.201010117. <http://jcb.rupress.org/content/194/1/49.abstract>

Kruse, S. W., Dayton, K. G., Purnell, B. S., Rosner, J. I., & Buchanan, G. F. (2019). Effect of monoamine reuptake inhibition and $\alpha 1$ blockade on respiratory arrest and death following electroshock-induced seizures in mice. *Epilepsia*, 0(0). doi: doi:10.1111/epi.14652. <https://onlinelibrary.wiley.com/doi/abs/10.1111/epi.14652>

Ku, C. A., Chiodo, V. A., Boye, S. L., Goldberg, A. F. X., Li, T., Hauswirth, W. W., & Ramamurthy, V. (2011). Gene therapy using self-complementary Y733F capsid mutant AAV2/8 restores vision in a model of early onset Leber congenital amaurosis. *Human Molecular Genetics*, ddr391. doi: 10.1093/hmg/ddr391. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddr391v2>

Kuan, W.-L., Poole, E., Fletcher, M., Karniely, S., Tyers, P., Wills, M., . . . Sinclair, J. H. (2011). A novel neuroprotective therapy for Parkinson's disease using a viral noncoding RNA that protects mitochondrial Complex I activity. *Journal of Experimental Medicine*. doi: 10.1084/jem.2011126. <http://jem.rupress.org/content/early/2011/12/15/jem.2011126.abstract>

Kubinová, L., & Janáček, J. (2001). Confocal microscopy and stereology: Estimating volume, number, surface area and length by virtual test probes applied to three-dimensional images. *Microscopy Research and Technique*, 53(6), 425-435. doi.

Kubinová, L., & Janáček, J. (2015). Confocal stereology: an efficient tool for measurement of microscopic structures. *Cell and Tissue Research*, 1-16. doi: 10.1007/s00441-015-2138-3. <http://dx.doi.org/10.1007/s00441-015-2138-3>

Kubinová, L., Janáček, J., & Krekule, I. (2002). Stereological methods for estimating geometrical parameters of microscopical structure studied by three-dimensional microscopical techniques. *Confocal and Two-photon Microscopy*, 299-332. doi.

Kubo, T., Nishimura, S., & Oda, T. (2002). Amyloid beta-peptide alters the distribution of early endosomes and inhibits phosphorylation of Akt in the presence of 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT). *Brain Research. Molecular Brain Research*, 106. doi: 10.1016/S0169-328X(02)00416-3. [http://dx.doi.org/10.1016/S0169-328X\(02\)00416-3](http://dx.doi.org/10.1016/S0169-328X(02)00416-3)

Kühl, T. G., Dihanich, S., Wong, A. M. S., & Cooper, J. D. (2013). Regional Brain Atrophy in Mouse Models of Neuronal Ceroid Lipofuscinosis: A New Rostrocaudal Perspective. *Journal of Child Neurology*, 28(9), 1117-1122. doi: 10.1177/0883073813494479. <http://jcn.sagepub.com/content/28/9/1117.abstract>

Kuhla, B., Boeck, K., Lüth, H. J., Schmidt, A., Weigle, B., Schmitz, M., . . . Arendt, T. (2006). Age- dependent changes of glyoxalase I expression in human brain. *Neurobiology of Aging*, 27(6), 815-822. doi.

Kuhla, B., Boeck, K., Schmidt, A., Ogunlade, V., Arendt, T., Münch, G., & Lüth, H. J. (2007). Age- and stage-dependent glyoxalase I expression and its activity in normal and Alzheimer's disease brains. *Neurobiology of Aging*, 28(1), 29-41. doi.

Kuhn, H. G., Biebl, M., Wilhelm, D., Li, M., Friedlander, R. M., & Winkler, J. (2005). Increased generation of granule cells in adult Bcl-2-overexpressing mice: a role for cell death during continued hippocampal neurogenesis. *European Journal of Neuroscience*, 22(8), 1907-1915. doi: doi:10.1111/j.1460-9568.2005.04377.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04377.x>

Kukreja, L., Shahidehpour, R., Kim, G., Keegan, J., Sadleir, K. R., Russell, T., . . . Geula, C. (2018). Differential Neurotoxicity Related to Tetracycline Transactivator and TDP-43 Expression in Conditional TDP-43 Mouse Model of Frontotemporal Lobar Degeneration. [10.1523/JNEUROSCI.1836-17.2018]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2018/05/28/JNEUROSCI.1836-17.2018...>

Kulesza, R. J. (2007). Cytoarchitecture of the human superior olivary complex: medial and lateral superior olive. *Hearing Research*, 225(1), 80-90. doi.

Kulesza, R. J., Viñuela, A., Saldaña, E., Berrebi, A. S., & others. (2002). Unbiased stereological estimates of neuron number in subcortical auditory nuclei of the rat. *Hearing Research*, 168(1-2), 12-24. doi.

Kuljis, D. A., Gad, L., Loh, D. H., Kaswan, Z. M., Hitchcock, O. N., Ghiani, C. A., & Colwell, C. S. (2016). Sex Differences in Circadian Dysfunction in the BACHD Mouse Model of Huntington's Disease. *Plos one*, 11(2), e0147583. doi. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0147583>

Kullmann, F. A., Wells, G. I., Langdale, C. L., Zheng, J., & Thor, K. B. (2013). Stability of the Acetic Acid-Induced Bladder Irritation Model in Alpha Chloralose-Anesthetized Female Cats. *Plos one*, 8(9), e73771. doi: 10.1371/journal.pone.0073771. <http://dx.doi.org/10.1371%2Fjournal.pone.0073771>

Kumagai, G., Tsoulfas, P., Toh, S., McNiece, I., Bramlett, H. M., & Dietrich, W. D. (2013). Genetically modified mesenchymal stem cells (MSCs) promote axonal regeneration and prevent hypersensitivity after spinal cord injury. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.06.028>. <http://www.sciencedirect.com/science/article/pii/S0014488613002112>

Kumar, A., Alvarez-Croda, D.-M., Stoica, B. A., Faden, A. I., & Loane, D. J. (2015). Microglial/macrophage polarization dynamics following traumatic brain injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4268. <http://dx.doi.org/10.1089/neu.2015.4268>

Kumar, A., Barrett, J. P., Alvarez-Croda, D.-M., Stoica, B. A., Faden, A. I., & Loane, D. J. (2016). NOX2 drives M1-like microglial/macrophage activation and neurodegeneration following experimental traumatic brain injury. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2016.07.158>. <http://www.sciencedirect.com/science/article/pii/S088915911630352X>

Kumar, A., Kneynsberg, A., Tucholski, J., Perry, G., van Groen, T., Detloff, P. J., & Lesort, M. (2012). Tissue transglutaminase overexpression does not modify the disease phenotype of the R6/2 mouse model of Huntington's disease. *Experimental Neurology*, (0). doi: 10.1016/j.expneurol.2012.05.015. <http://www.sciencedirect.com/science/article/pii/S0014488612002269>

Kumar, A., Stoica, B. A., Sabirzhanov, B., Burns, M. P., Faden, A. I., & Loane, D. J. (2012). Traumatic brain injury in aged animals increases lesion size and chronically alters microglial/macrophage classical and alternative activation states. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2012.11.013>. <http://www.sciencedirect.com/science/article/pii/S0197458012005908>

Kumar, A. J., Martins, D. O., Arruda, B. P., Lee, V. Y., Chacur, M., & Nogueira, M. I. (2020). Impairment of nociceptive responses after neonatal anoxia correlates with somatosensory thalamic damage: A study in rats. *Behavioural Brain Research*, 390, 112690. doi: <https://doi.org/10.1016/j.bbr.2020.112690>. <http://www.sciencedirect.com/science/article/pii/S0166432820303892>

Kumar, A. J., Motta-Teixeira, L. C., Takada, S. H., Lee, V. Y., Machado-Nils, A. V., Xavier, G. F., & Nogueira, M. I. (2018). Behavioral, cognitive and histological changes following neonatal anoxia: male and female rats' differences at adolescent age. *International Journal of Developmental Neuroscience*. doi: <https://doi.org/10.1016/j.ijdevneu.2018.12.002>. <http://www.sciencedirect.com/science/article/pii/S0736574818302168>

Kumar, A. J., Takada, S. H., Motta-Teixeira, L. C., Lee, V. Y., Xavier, G. F., & Nogueira, M. I. (2017). Sex differences in somatic and sensory motor development after neonatal anoxia in Wistar rats. *Behavioural Brain Research*, 333, 242-250. doi: <https://doi.org/10.1016/j.bbr.2017.07.009>. <http://www.sciencedirect.com/science/article/pii/S0166432817306101>

Kumar, G., Jones, N. C., Morris, M. J., Rees, S., O'Brien, T. J., & Salzberg, M. R. (2011). Early Life Stress Enhancement of Limbic Epileptogenesis in Adult Rats: Mechanistic Insights. *PLoS ONE*, 6(9), e24033-e24033. doi.

Kumar, N. N., Velic, A., Soliz, J., Shi, Y., Li, K., Wang, S., . . . Lazarenko, R. M. (2015). Regulation of breathing by CO₂ requires the proton-activated receptor GPR4 in retrotrapezoid nucleus

neurons. *Science*, 348(6240), 1255-1260.

doi: <http://www.sciencemag.org/content/348/6240/1255.short>

Kumar, S. S., & Buckmaster, P. S. (2006). Hyperexcitability, Interneurons, and Loss of GABAergic Synapses in Entorhinal Cortex in a Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*, 26(17), 4613-4623. doi: 10.1523/jneurosci.0064-

06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/17/4613>

Kurauchi, Y., Hisatsune, A., Isohama, Y., Mishima, S., & Katsuki, H. (2012). Caffeic acid phenethyl ester protects nigral dopaminergic neurons via dual mechanisms involving heme oxygenase-1 and brain-derived neurotrophic factor. *British Journal of Pharmacology*. doi.

Kuroda, E., Nishimura, K., Kawanishi, S., Sueyoshi, M., Ueno, F., Toji, Y., . . . Takata, K. (2020). Mouse Bone Marrow-derived Microglia-like Cells Secrete Transforming Growth Factor- β 1 and Promote Microglial A β Phagocytosis and Reduction of Brain A β . *Neuroscience*, 438, 217- 228.

doi: <https://doi.org/10.1016/j.neuroscience.2020.05.004>.

<http://www.sciencedirect.com/science/article/pii/S0306452220302967>

Kurokawa, K., Mizuno, K., Kiyokage, E., Shibasaki, M., Toida, K., & Ohkuma, S. (2011). Dopamine D1 receptor signaling system regulates ryanodine receptor expression after intermittent exposure to methamphetamine in primary cultures of midbrain and cerebral cortical neurons. *Journal of Neurochemistry*, 118(5), 773-783. doi: 10.1111/j.1471-4159.2011.07366.x. <http://dx.doi.org/10.1111/j.1471-4159.2011.07366.x>

Kuronen, M., Hermansson, M., Manninen, O., Zech, I., Talvitie, M., Laitinen, T., . . . Cooper, J. D. (2011). Galactolipid deficiency in the early pathogenesis of neuronal ceroid lipofuscinosis model Cln8mnd: implications to delayed myelination and oligodendrocyte maturation.

Neuropathology and Applied Neurobiology. doi.

Kuronen, M., Lehesjoki, A. E., Jalanko, A., Cooper, J. D., & Kopra, O. (2012). Selective spatiotemporal patterns of glial activation and neuron loss in the sensory thalamocortical pathways of neuronal ceroid lipofuscinosis 8 mice. *Neurobiology of Disease*. doi.

Kurowska, Z., Jewett, M., Brattås, P. L., Jimenez-Ferrer, I., Kenéz, X., Björklund, T., . . . Swanberg, M. (2016). Identification of Multiple QTLs Linked to Neuropathology in the Engrailed-1 Heterozygous Mouse Model of Parkinson's Disease. [Article]. *Scientific Reports*, 6, 31701. doi: 10.1038/srep31701

<http://www.nature.com/articles/srep31701#supplementary-information>. <http://dx.doi.org/10.1038/srep31701>

Kuruba, R., Hattiangady, B., Parihar, V. K., Shuai, B., & Shetty, A. K. (2011). Differential Susceptibility of Interneurons Expressing Neuropeptide Y or Parvalbumin in the Aged Hippocampus to Acute Seizure Activity. *PLoS ONE*, 6(9), e24493-e24493. doi.

Kusnoor, S. V., Bubser, M., & Deutch, A. Y. (2012). The effects of nigrostriatal dopamine depletion on the thalamic parafascicular nucleus. *Brain Research*. doi.

Kusnoor, S. V., Parris, J., Muly, E. C., Morgan, J. I., & Deutch, A. Y. (2010). Extracerebellar role for Cerebellin1: Modulation of dendritic spine density and synapses in striatal medium spiny neurons. *Journal of Comparative Neurology*, 518(13), 2525-2537. doi.

Kuzdas, D., Stemberger, S., Gaburro, S., Stefanova, N., Singewald, N., & Wenning, G. K. (2013). Oligodendroglial alpha-synucleinopathy and MSA-like cardiovascular autonomic failure: Experimental evidence. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.02.002>, <http://www.sciencedirect.com/science/article/pii/S0014488613000459>

Kuzdas-Wood, D., Fellner, L., Premstaller, M., Borm, C., Bloem, B., Kirik, D., . . . Stefanova, N. (2015). Overexpression of α -synuclein in oligodendrocytes does not increase susceptibility to focal striatal excitotoxicity. *BMC Neuroscience*, 16(1), 86. doi. <http://www.biomedcentral.com/1471-2202/16/86>

Kwan, T., Floyd, C. L., Patel, J., Mohaimany-Aponte, A., & King, P. H. (2017). Astrocytic expression of the RNA regulator HuR accentuates spinal cord injury in the acute phase. *Neuroscience Letters*, 651, 140-145. doi: <https://doi.org/10.1016/j.neulet.2017.05.003>, <http://www.sciencedirect.com/science/article/pii/S0304394017303816>

Kyyriäinen, J., Ekolle Nnode-Ekane, X., & Pitkänen, A. (2016). Dynamics of PDGFR β expression in different cell types after brain injury. *Glia*, n/a-n/a. doi: 10.1002/glia.23094. <http://dx.doi.org/10.1002/glia.23094>

Kyyriäinen, J., Tapiala, J., Lipponen, A., Ekolle Nnode-Ekane, X., & Pitkänen, A. (2020). Plau/Plaur double-deficiency did not worsen lesion severity or vascular integrity after traumatic brain injury. *Neuroscience Letters*, 729, 134935. doi: <https://doi.org/10.1016/j.neulet.2020.134935>, <http://www.sciencedirect.com/science/article/pii/S0304394020302056>

La Barbera, L., Vedele, F., Nobili, A., Krashia, P., Spoletti, E., Latagliata, E. C., . . . D'Amelio, M. (2021). Nilotinib restores memory function by preventing dopaminergic neuron degeneration in a mouse model of Alzheimer's Disease. *Progress in Neurobiology*, 102031. doi: <https://doi.org/10.1016/j.pneurobio.2021.102031>, <https://www.sciencedirect.com/science/article/pii/S0304394021000459>

Laast, V. A., Pardo, C. A., Tarwater, P. M., Queen, S. E., Reinhart, T. A., Ghosh, M., . . . Mankowski, J. L. (2007). Pathogenesis of Simian Immunodeficiency Virus-Induced Alterations in Macaque Trigeminal Ganglia. *Journal of Neuropathology and Experimental Neurology*, 66(1), 26-34. doi.

Laast, V. A., Shim, B., Johaneck, L. M., Dorsey, J. L., Hauer, P. E., Tarwater, P. M., . . . Mankowski, J. L. (2011). Macrophage-Mediated Dorsal Root Ganglion Damage Precedes Altered Nerve Conduction in SIV-Infected Macaques. *American Journal of Pathology*. doi. <http://linkinghub.elsevier.com/retrieve/pii/S0002944011007693?showall=true>

Labouesse, M. A., Lassalle, O., Richetto, J., Iafrati, J., Weber-Stadlbauer, U., Notter, T., . . . Meyer, U. (2016). Hypervulnerability of the adolescent prefrontal cortex to nutritional stress

via reelin deficiency. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2016.193. <http://dx.doi.org/10.1038/mp.2016.193>

Labuzek, K., Suchy, D., Gabryel, B., Bielecka, A., Liber, S., & Okopien, B. (2010). Quantification of metformin by the HPLC method in brain regions, cerebrospinal fluid and plasma of rats treated with lipopolysaccharide. *Pharmacol Rep*, 62. doi: 10.1016/s1734-1140(10)70357-

1. [http://dx.doi.org/10.1016/S1734-1140\(10\)70357-1](http://dx.doi.org/10.1016/S1734-1140(10)70357-1)

Lacagnina, A. F., Brockway, E. T., Croveti, C. R., Shue, F., McCarty, M. J., Sattler, K. P., . . . Drew, M. R. (2019). Distinct hippocampal engrams control extinction and relapse of fear memory. *Nature Neuroscience*. doi: 10.1038/s41593-019-0361-z. <https://doi.org/10.1038/s41593-019-0361-z>

Laćan, G., Hadamitzky, M., Kuczenski, R., & Melega, W. P. (2013). Alterations in the striatal dopamine system during intravenous methamphetamine exposure: Effects of contingent and noncontingent administration. *Synapse*, n/a-n/a. doi: 10.1002/syn.21654. <http://dx.doi.org/10.1002/syn.21654>

Lackner, P., Beer, R., Broessner, G., Helbok, R., Dallago, K., Hess, M. W., . . . Schmutzhard, E. (2011). Nogo-A Expression in the Brain of Mice with Cerebral Malaria. *PLoS ONE*, 6(9), e25728-e25728. doi.

Lackner, P., Part, A., Burger, C., Dietmann, A., Broessner, G., Helbok, R., . . . Beer, R. (2009). Glatiramer acetate reduces the risk for experimental cerebral malaria: a pilot study. *Malaria Journal*, 8(1), 36. doi. <http://www.malariajournal.com/content/8/1/36>

Lacroix, S., Chang, L., Rose-John, S., & Tuszynski, M. H. (2002). Delivery of hyper-interleukin-6 to the injured spinal cord increases neutrophil and macrophage infiltration and inhibits axonal growth. *Journal of Comparative Neurology*, 454(3), 213-228. doi.

LaDage, L. D., Roth li, T. C., & Pravosudov, V. V. (2009). Biases in measuring the brain: the trouble with the telencephalon. *Brain, Behavior and Evolution*, 73(4), 253-258. doi.

LaDage, L. D., Roth li, T. C., & Pravosudov, V. V. (2011). Hippocampal neurogenesis is associated with migratory behaviour in adult but not juvenile sparrows (*Zonotrichia leucophrys* ssp.). *Proceedings of the Royal Society B: Biological Sciences*, 278(1702), 138-143. doi.

LaDage, L. D., Roth li, T. C., Sinervo, B., & Pravosudov, V. V. (2016). Environmental experiences influence cortical volume in territorial and nonterritorial side-blotched lizards, *Uta stansburiana*. *Animal Behaviour*, 115, 11-18. doi: <http://dx.doi.org/10.1016/j.anbehav.2016.01.029>. <http://www.sciencedirect.com/science/article/pii/S0003347216000415>

LaDage, L. D., Roth, T. C., Fox, R. A., & Pravosudov, V. V. (2009). Effects of captivity and memory-based experiences on the hippocampus in mountain chickadees. *Behavioral Neuroscience*, 123(2), 284-284. doi.

Lagace, D. C., Whitman, M. C., Noonan, M. A., Ables, J. L., DeCarolis, N. A., Arguello, A. A., . . . Eisch, A. J. (2007). Dynamic Contribution of Nestin-Expressing Stem Cells to Adult Neurogenesis. *Journal of Neuroscience*, 27(46), 12623-12629. doi: 10.1523/jneurosci.3812-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/46/12623>

Laguna, A., Schintu, N., Nobre, A., Alvarsson, A., Volakakis, N., Jacobsen, J. K., . . . Perlmann, T. (2015). Dopaminergic control of autophagic-lysosomal function implicates Lmx1b in Parkinson's disease. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4004

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4004.html#suppl>
.....<http://dx.doi.org/10.1038/nn.4004>

Laham, B. J., Diethorn, E. J., & Gould, E. (2021). Newborn mice form lasting CA2-dependent memories of their mothers. *Cell Reports*, 34(4), 108668. doi: <https://doi.org/10.1016/j.celrep.2020.108668>. <https://www.sciencedirect.com/science/article/pii/S2211124720316570>

Lahtinen, L., Ndode-Ekane, X. E., Barinka, F., Akamine, Y., Esmaeili, M. H., Rantala, J., & Pitkäräinen, A. (2010). Urokinase-type plasminogen activator regulates neurodegeneration and neurogenesis but not vascular changes in the mouse hippocampus after status epilepticus. *Neurobiology of Disease*, 37(3), 692-703. doi: 10.1016/j.nbd.2010.03.004

Lahti-Pulkkinen, M., Cudmore, M. J., Haeussner, E., Schmitz, C., Pesonen, A.-K., Hämäläinen, E., . . . Räikkönen, K. (2018). Placental Morphology Is Associated with Maternal Depressive Symptoms during Pregnancy and Toddler Psychiatric Problems. *Scientific Reports*, 8(1), 791. doi: 10.1038/s41598-017-19133-9. <https://doi.org/10.1038/s41598-017-19133-9>

Lai, S., Panarese, A., Spalletti, C., Alia, C., Ghionzoli, A., Caleo, M., & Micera, S. (2014). Quantitative Kinematic Characterization of Reaching Impairments in Mice After a Stroke. *Neurorehabilitation and neural repair*. doi: 10.1177/1545968314545174. <http://nnr.sagepub.com/content/early/2014/10/08/15459683.14545174.abstract>

Lai, Y.-C., Baker, J., Donti, T., Graham, B., Craigen, W., & Anderson, A. (2017). Mitochondrial Dysfunction Mediated by Poly(ADP-Ribose) Polymerase-1 Activation Contributes to Hippocampal Neuronal Damage Following Status Epilepticus. *International Journal of Molecular Sciences*, 18(7), 1502. doi: <http://www.mdpi.com/1422-0067/18/7/1502>

Laird, F. M., Cai, H., Savonenko, A. V., Farah, M. H., He, K., Melnikova, T., . . . Wong, P. C. (2005). BACE1, a Major Determinant of Selective Vulnerability of the Brain to Amyloid- β Amyloidogenesis, is Essential for Cognitive, Emotional, and Synaptic Functions. *Journal of Neuroscience*, 25(50), 11693-11709. doi: 10.1523/jneurosci.2766-05.2005. <http://www.jneurosci.org/cgi/content/abstract/25/50/11693>

Laird, F. M., Farah, M. H., Ackerley, S., Hoke, A., Maragakis, N., Rothstein, J. D., . . . Wong, P. C. (2008). Motor Neuron Disease Occurring in a Mutant Dynactin Mouse Model Is Characterized by Defects in Vesicular Trafficking. *Journal of Neuroscience*, 28(9), 1997-2005. doi: 10.1523/JNEUROSCI.5555-07.2008

10.1523/jneurosci.4231-

07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/9/1997>

Lake, E. M. R., Bazzigaluppi, P., Mester, J., Thomason, L. A. M., Janik, R., Brown, M., . . . Stefanovic, B. (2016). Neurovascular unit remodelling in the subacute stage of stroke recovery. *Neuroimage*.

doi: <http://dx.doi.org/10.1016/j.neuroimage.2016.09.016>.

<http://www.sciencedirect.com/science/article/pii/S1053811916304803>

Lake, E. M. R., Mester, J., Thomason, L. A. M., Adams, C., Bazzigaluppi, P., Koletar, M., . . . Stefanovic, B. (2016). Modulation of the peri-infarct neurogliovascular function by delayed COX-1 inhibition. *Journal of Magnetic Resonance Imaging*, n/a-n/a. doi: 10.1002/jmri.25541. <http://dx.doi.org/10.1002/jmri.25541>

Lake, E. M. R., Steffler, E. A., Rowley, C. D., Sehmbi, M., Minuzzi, L., Frey, B. N., & Bock, N. A. (2016). Altered intracortical myelin staining in the dorsolateral prefrontal cortex in severe mental illness. [journal article]. *European Archives of Psychiatry and Clinical Neuroscience*, 1-8. doi: 10.1007/s00406-016-0730-5.

<http://dx.doi.org/10.1007/s00406-016-0730-5>

Lakritz, J. R., Bodair, A., Shah, N., O'Donnell, R., Polydefkis, M. J., Miller, A. D., & Burdo, T. H. (2015). Monocyte Traffic, Dorsal Root Ganglion Histopathology, and Loss of Intraepidermal Nerve Fiber Density in SIV Peripheral Neuropathy. *The American journal of pathology*, (0). doi: <http://dx.doi.org/10.1016/j.ajpath.2015.03.007>.

<http://www.sciencedirect.com/science/article/pii/S0002944015001960>

Lalancette-Hebert, M., Gowing, G., Simard, A., Weng, Y. C., & Kriz, J. (2007). Selective Ablation of Proliferating Microglial Cells Exacerbates Ischemic Injury in the Brain.

Journal of Neuroscience, 27(10), 2596-2605. doi: 10.1523/jneurosci.5360-

06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/10/2596>

Lam, B. C. C., Yeunga, C. Y., Fub, K. H., Wonga, K. Y., Chanc, F. L., & Tsoia, N. S. (2000). Surfactant Tracheobronchial Lavage for the Management of a Rabbit Model of Meconium Aspiration Syndrome. *Neonatology*, 78(2), 2000. doi.

Lam, W. W., Oakden, W., Karami, E., Koletar, M. M., Murray, L., Liu, S. K., . . . Stanis, G. J. (2020). An Automated Segmentation Pipeline for Intratumoural Regions in Animal Xenografts Using Machine Learning and Saturation Transfer MRI. *Scientific Reports*, 10(1), 8063. doi: 10.1038/s41598-020-64912-6. <https://doi.org/10.1038/s41598-020-64912-6>

Lambouras, M., Liew, S. H., Horvay, K., Abud, H. E., Stringer, J. M., & Hutt, K. J. (2018). Examination of the ovotoxicity of 5-fluorouracil in mice. [journal article]. *Journal of Assisted Reproduction and Genetics*. doi: 10.1007/s10815-018-1169-

6. <https://doi.org/10.1007/s10815-018-1169-6>

Lancia, A. J., Williams, E. A., McKnight, L. V., & Zahm, D. S. (2004). Vulnerabilities of ventral mesencephalic neurons projecting to the nucleus accumbens following infusions of 6-hydroxydopamine into the medial forebrain bundle in the rat. *Brain Research*, 997(1), 119-127. doi.

Landahl, E. C., Antipova, O., Bongaarts, A., Barrea, R., Berry, R., Binder, L. I., . . . Rice, S. E. (2011). X-ray diffraction from intact tau aggregates in human brain tissue. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. doi.

Landau, A. M., Luk, K. C., Jones, M.-L., Siegrist-Johnstone, R., Young, Y. K., Kouassi, E., . . . Desbarats, J. (2005). Defective Fas expression exacerbates neurotoxicity in a model of Parkinson's disease *Journal of Experimental Medicine*, 202(5), 575-581. doi.

Landi, S., Ciucci, F., Maffei, L., Berardi, N., & Cenni, M. C. (2009). Setting the Pace for Retinal Development: Environmental Enrichment Acts Through Insulin-Like Growth Factor 1 and Brain-Derived Neurotrophic Factor. *Journal of Neuroscience*, 29(35), 10809-10819. doi: 10.1523/jneurosci.1857-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/35/10809>

Landreth, G., Jiang, Q., Mandrekar, S., & Heneka, M. (2008). PPARgamma agonists as therapeutics for the treatment of Alzheimer's disease. *Neurotherapeutics*, 5. doi: 10.1016/j.nurt.2008.05.003. <http://dx.doi.org/10.1016/j.nurt.2008.05.003>

Landreth, G. E., & Heneka, M. T. (2001). Anti-inflammatory actions of peroxisome proliferator- activated receptor gamma agonists in Alzheimer's disease. *Neurobiology of Aging*, 22. doi: 10.1016/S0197-4580(01)00296-2. [http://dx.doi.org/10.1016/S0197-4580\(01\)00296-2](http://dx.doi.org/10.1016/S0197-4580(01)00296-2)

Landry, J. P., Hawkins, C., Lee, A., Coté, A., Balaban, E., & Pompeiano, M. (2015). Chick embryos have the same pattern of hypoxic lower-brain activation as fetal mammals. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22299. <http://dx.doi.org/10.1002/dneu.22299>

Landry, J. P., Hawkins, C., Wiebe, S., Balaban, E., & Pompeiano, M. (2014). Opposing Effects of Hypoxia on Catecholaminergic Locus Coeruleus and Hypocretin/Orexin Neurons in Chick Embryos. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22182. <http://dx.doi.org/10.1002/dneu.22182>

Langdale, C. L., Thor, K. B., Marson, L., & Burgard, E. C. (2014). Maintenance of bladder innervation in diabetes: A stereological study of streptozotocin-treated female rats. *Autonomic Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.autneu.2014.06.007>. <http://www.sciencedirect.com/science/article/pii/S1566070214000939>

Langdon, K. D., Granter-Button, S., Harley, C. W., Moody-Corbett, F., Peeling, J., & Corbett, D. (2014). A cognitive rehabilitation paradigm effective in male rats lacks efficacy in female rats. [Original Article]. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1038/jcbfm.2014.132. <http://dx.doi.org/10.1038/jcbfm.2014.132>

Langdon, K. D., MacLellan, C. L., & Corbett, D. (2010). Prolonged, 24-h delayed peripheral inflammation increases short-and long-term functional impairment and histopathological damage after focal ischemia in the rat. *Journal of Cerebral Blood Flow and Metabolism*, 30(8), 1450-1459. doi.

Lange, C., Mix, E., Frahm, J., Glass, A., Müller, J., Schmitt, O., . . . Rolfs, A. (2011). Small molecule GSK-3 inhibitors increase neurogenesis of human neural progenitor cells. *Neuroscience Letters*, 488(1), 36-40. doi.

Langenfurth, A., Gu, S., Bautze, V., Zhang, C., Neumann, J. E., Schüller, U., . . . Glass, R. (2016). Decreased demand for olfactory periglomerular cells impacts on neural precursor cell viability in the rostral migratory stream. [Article]. *Scientific Reports*, 6, 32203. doi: 10.1038/srep32203

<http://www.nature.com/articles/srep32203#supplementary-information>. <http://dx.doi.org/10.1038/srep32203>

Langer, F., Eisele, Y. S., Fritschi, S. K., Staufenbiel, M., Walker, L. C., & Jucker, M. (2011). Soluble A β Seeds Are Potent Inducers of Cerebral β -Amyloid Deposition. *Journal of Neuroscience*, 31(41), 14488-14495. doi: 10.1523/jneurosci.3088-11.2011. <http://www.jneurosci.org/content/31/41/14488.abstract>

Langley, M., Ghosh, A., Charli, A., Sarkar, S., Ay, M., Luo, J., . . . Kanthasamy, A. (2017). Mito- apocynin Prevents Mitochondrial Dysfunction, Microglial Activation, Oxidative Damage and Progressive Neurodegeneration in MitoPark Transgenic Mice. *Antioxidants & redox signaling*. doi: 10.1089/ars.2016.6905. <http://dx.doi.org/10.1089/ars.2016.6905>

Laniosz, V., Dabydeen, S. A., Havens, M. A., & Meneses, P. I. (2009). Human papillomavirus type 16 infection of human keratinocytes requires clathrin and caveolin-1 and is brefeldin a sensitive. *Journal of Virology*, 83(16), 8221-8232. doi.

Lankford, K. L., Arroyo, E. J., Liu, C.-N., Soms, C. J., Zorbas, M. A., Shelton, D. L., . . . Kocsis, J. D. (2013). Sciatic nerve regeneration is not inhibited by anti-NGF antibody treatment in the adult rat. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.03.024>. <http://www.sciencedirect.com/science/article/pii/S0306452213002467>

Lankford, K. L., Brown, R. J., Sasaki, M., & Kocsis, J. D. (2013). Olfactory ensheathing cells, but not schwann cells, proliferate and migrate extensively within moderately X-Irradiated juvenile rat brain. *Glia*, n/a-n/a. doi: 10.1002/glia.22583. <http://dx.doi.org/10.1002/glia.22583>

Lanoue, A. C., Dumitriu, A., Myers, R. H., & Soghomonian, J. J. (2010). Decreased glutamic acid decarboxylase mRNA expression in prefrontal cortex in Parkinson's disease. *Experimental Neurology*, 226(1), 207-217. doi.

LaPash Daniels, C. M., Austin, E. V., Rockney, D. E., Jacka, E. M., Hagemann, T. L., Johnson, D. A., . . . Messing, A. (2012). Beneficial Effects of Nrf2 Overexpression in a Mouse Model of Alexander Disease. *Journal of Neuroscience*, 32(31), 10507-10515. doi: 10.1523/jneurosci.1494-12.2012. <http://www.jneurosci.org/content/32/31/10507.abstract>

LaPlaca, M. C., & Lessing, M. C. (2012). Assessment of Membrane Permeability After Traumatic Brain Injury. *Springer Protocols Handbooks*. doi.

LaPlaca, M. C., Lessing, M. C., Prado, G. R., Zhou, R., Tate, C. C., Geddes-Klein, D., . . . Zhang, L. (2018). Mechanoporation is a potential indicator of tissue strain and subsequent degeneration following experimental traumatic brain injury. *Clinical Biomechanics*.

doi: <https://doi.org/10.1016/j.clinbiomech.2018.05.016>.

<http://www.sciencedirect.com/science/article/pii/S0268003318304765>

LaPlant, Q., Chakravarty, S., Vialou, V., Mukherjee, S., Koo, J. W., Kalahasti, G., . . . others. (2009). Role of nuclear factor [kappa] B in ovarian hormone-mediated stress hypersensitivity in female mice. *Biological Psychiatry*, 65(10), 874-880. doi.

Laplante, F., Zhang, Z.-W., Huppé-Gourgues, F., Dufresne, M. M., Vaucher, E., & Sullivan, R. M. (2012). Cholinergic depletion in nucleus accumbens impairs mesocortical dopamine activation and cognitive function in rats. *Neuropharmacology*, (0). doi: 10.1016/j.neuropharm.2012.07.033.

<http://www.sciencedirect.com/science/article/pii/S0028390812003693>

Laroche, M., Lessard-Beaudoin, M., Garcia-Miralles, M., Kreidy, C., Peachey, E., Leavitt, B. R., . . . Graham, R. K. (2020). Early deficits in olfaction are associated with structural and molecular alterations in the olfactory system of a Huntington disease mouse model. *Human Molecular Genetics*. doi: 10.1093/hmg/ddaa099.

<https://doi.org/10.1093/hmg/ddaa099>

Larochelle, A., Bellavance, M.-A., & Rivest, S. (2015). Role of adaptor protein MyD88 in TLR- mediated preconditioning and neuroprotection after acute excitotoxicity. *Brain, Behavior, and Immunity*, (0).

doi: <http://dx.doi.org/10.1016/j.bbi.2015.02.019>.

<http://www.sciencedirect.com/science/article/pii/S0889159115000616>

Larphaveesarp, A., Georgevits, M., Ferriero, D. M., & Gonzalez, F. F. (2016). Delayed erythropoietin therapy improves histological and behavioral outcomes after transient neonatal stroke. *Neurobiology of Disease*, 93, 57-63.

doi: <http://dx.doi.org/10.1016/j.nbd.2016.04.006>.

<http://www.sciencedirect.com/science/article/pii/S0969996116300882>

Larson, S. D., Fong, L. L., Gupta, A., Condit, C., Bug, W. J., & Martone, M. E. (2007). A formal ontology of subcellular neuroanatomy (Vol. 1).

Lasiene, J., Matsui, A., Sawa, Y., Wong, F., & Horner, P. J. (2009). Age-related myelin dynamics revealed by increased oligodendrogenesis and short internodes. *Aging Cell*, 8(2), 201-213. doi.

Laskowitz, D. T., Lei, B., Dawson, H. N., Wang, H., Bellows, S. T., Christensen, D. J., . . . James, M. L. (2011). The apoE-mimetic peptide, COG1410, improves functional recovery in a murine model of intracerebral hemorrhage. *Neurocritical Care*, 1-11. doi.

Laskowitz, D. T., McKenna, S. E., Song, P., Wang, H., Durham, L., Yeung, N., . . . Vitek, M. P. (2007). COG1410, a Novel Apolipoprotein E-Based Peptide, Improves Functional Recovery in a Murine Model of Traumatic Brain Injury. *Journal of Neurotrauma*, 24(7), 1093-1107. doi.

Lastres-Becker, I., Garcia-Yague, A. J., Scannevin, R. H., Casarejos, M. J., Kügler, S., Rábano, A., & Cuadrado, A. (2016). Repurposing the NRF2 activator dimethyl fumarate as therapy against synucleinopathy in Parkinson's disease. *Antioxidants & redox signaling*. doi: 10.1089/ars.2015.6549. <http://dx.doi.org/10.1089/ars.2015.6549>

Laszczyk, A. M., Fox-Quick, S., Vo, H. T., Nettles, D., Pugh, P. C., Overstreet-Wadiche, L., & King, G. D. (2017). Klotho regulates postnatal neurogenesis and protects against age-related spatial memory loss. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2017.07.008>.
<http://www.sciencedirect.com/science/article/pii/S0197458017302415>

Latchney, S. E., Jaramillo, T. C., Rivera, P. D., Eisch, A. J., & Powell, C. M. (2015). Chronic P7C3 treatment restores hippocampal neurogenesis. *Neuroscience Letters*, 591(0), 86-92. doi: <http://dx.doi.org/10.1016/j.neulet.2015.02.008>. <http://www.sciencedirect.com/science/article/pii/S0304394015001044>

Latchney, S. E., Rivera, P. D., Mao, X. W., Ferguson, V. L., Bateman, T. A., Stodieck, L. S., . . . Eisch, A. J. (2014). The effect of spaceflight on mouse olfactory bulb volume, neurogenesis, and cell death indicates the protective effect of novel environment. *Journal of Applied Physiology*. doi: <http://jap.physiology.org/content/116/12/1593>

Lath, N. R., Galambos, C., Rocha, A. B., Malek, M., Gittes, G. K., & Potoka, D. A. (2012). Defective pulmonary innervation and autonomic imbalance in congenital diaphragmatic hernia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 302(4), L390-L398. doi: 10.1152/ajplung.00275.2011. <http://ajplung.physiology.org/content/302/4/L390.abstract>

Latini, L., Bisicchia, E., Sasso, V., Chiurciu, V., Cavallucci, V., Molinari, M., . . . Viscomi, M. T. (2014). Cannabinoid CB2 receptor (CB2R) stimulation delays rubrospinal mitochondrial-dependent degeneration and improves functional recovery after spinal cord hemisection by ERK1/2 inactivation. [Original Article]. *Cell Death Dis*, 5, e1404. doi: 10.1038/cddis.2014.364. <http://dx.doi.org/10.1038/cddis.2014.364>

Lau, B. W. M., Chia-Di Lee, J., Li, Y., Fung, S. M. Y., Sang, Y. H., Shen, J., . . . So, K. F. (2012). Polysaccharides from Wolfberry Prevents Corticosterone-Induced Inhibition of Sexual Behavior and Increases Neurogenesis. *PLoS ONE*, 7(4), e33374. doi: 10.1371/journal.pone.0033374

Lau, B. W. M., Ren, C., Yang, J., Yan, S. W. L., Chang, R. C. C., Pu, M., & So, K. F. (2011). Light deprivation induces depression-like behavior and suppresses neurogenesis in diurnal Mongolian gerbil (*Meriones unguiculatus*). *Cell Transplantation*, 20(6), 871-881. doi: 10.1186/10637791110000000000000000000000

Lau, B. W.-M., Yau, S.-Y., Lee, T. M. C., Ching, Y.-P., Tang, S.-W., & So, K.-F. (2010). Effect of Corticosterone and Paroxetine on Masculine Mating Behavior: Possible Involvement of Neurogenesis. *Journal of Sexual Medicine*, no-no. doi: 10.1111/j.1743-6109.2010.02081.x. <http://dx.doi.org/10.1111/j.1743-6109.2010.02081.x>

Lau, K., Swiney, B. S., Reeves, N., Noguchi, K. K., & Farber, N. B. (2011). Propylene glycol produces excessive apoptosis in the developing mouse brain, alone and in combination with phenobarbital. *Pediatric Research*. doi: 10.1007/s12017-011-9111-1

Lau, W. M., Qiu, G., Helmeste, D. M., Lee, T. M. C., Tang, S. W., & So, K. F. (2007). Corticosteroid decreases subventricular zone cell proliferation, which could be reversed by paroxetine. *Restorative Neurology and Neuroscience*, 25(1), 17-23. doi.

Lauber, E., Filice, F., & Schwaller, B. (2016). Prenatal valproate exposure differentially affects parvalbumin-expressing neurons and related circuits in the cortex and striatum of mice. *Frontiers in Molecular Neuroscience*, 9. doi.

Laurent, F., Brotons-Mas, J. R., Cid, E., Lopez-Pigozzi, D., Valero, M., Gal, B., & de la Prida, L. M. (2015). Proximodistal Structure of Theta Coordination in the Dorsal Hippocampus of Epileptic Rats. *The Journal of Neuroscience*, 35(11), 4760-4775. doi. <http://www.jneurosci.org/content/35/11/4760.short>

Laurie, C., Reynolds, A., Coskun, O., Bowman, E., Gendelman, H. E., & Mosley, R. L. (2007). CD4⁺ T cells from Copolymer-1 immunized mice protect dopaminergic neurons in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine model of Parkinson's disease. *Journal of Neuroimmunology*, 183(1), 60-68. doi.

Lauwers, E., Bequé, D., Van Laere, K., Nuyts, J., Bormans, G., Mortelmans, L., . . . Baekelandt, V. (2007). Non-invasive imaging of neuropathology in a rat model of α -synuclein overexpression. *Neurobiology of Aging*, 28(2), 248-257. doi.

Lavenex, P., Lavenex, P. B., Bennett, J. L., & Amaral, D. G. (2009). Postmortem changes in the neuroanatomical characteristics of the primate brain: hippocampal formation. *Journal of Comparative Neurology*, 512(1), 27-51. doi.

Lavenex, P., Steele, M. A., & Jacobs, L. F. (2000). The seasonal pattern of cell proliferation and neuron number in the dentate gyrus of wild adult eastern grey squirrels. *European Journal of Neuroscience*, 12(2), 643. doi.

Lavenex, P., Steele, M. A., & Jacobs, L. F. (2000). Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. *Journal of Comparative Neurology*, 425(1), 152-166. doi.

Lavenex, P., Sugden, S. G., Davis, R. R., Gregg, J. P., & Lavenex, P. B. (2011). Developmental regulation of gene expression and astrocytic processes may explain selective hippocampal vulnerability. *Hippocampus*, 21(2), 142-149. doi: 10.1002/hipo.20730. <http://dx.doi.org/10.1002/hipo.20730>

Lavenex, P., Suzuki, W. A., & Amaral, D. G. (2002). Perirhinal and parahippocampal cortices of the macaque monkey: projections to the neocortex. *Journal of Comparative Neurology*, 447(4), 394-420. doi.

Lavenex, P., Suzuki, W. A., & Amaral, D. G. (2004). Perirhinal and parahippocampal cortices of the macaque monkey: Intrinsic projections and interconnections. *Journal of Comparative Neurology*, 472(3), 371-394. doi.

Lawhorn, C., Smith, D. M., & Brown, L. L. (2009). Partial ablation of mu-opioid receptor rich striosomes produces deficits on a motor-skill learning task. *Neuroscience*, 163(1), 109-119. doi.

Lawlor, P. A., Bland, R. J., Mouraylev, A., Young, D., & During, M. J. (2009). Efficient gene delivery and selective transduction of glial cells in the mammalian brain by AAV serotypes isolated from nonhuman primates. *Molecular Therapy*, 17(10), 1692-1702. doi.

Lawrence, A. J., Parish, C. L., Chen, F., Lodge, D. J., Krstew, E. V., Card, K., . . . Horne, M. K. (2005). Chronic corticotropin-releasing factor type 1 receptor antagonism with antalarmin regulates the dopaminergic system of Fawn-Hooded rats. *Journal of Neurochemistry*, 94(6), 1523-1534. doi: doi:10.1111/j.1471-4159.2005.03300.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03300.x>

Lawrence, R. C., Otero, N. K. H., & Kelly, S. J. (2011). Selective effects of perinatal ethanol exposure in medial prefrontal cortex and nucleus accumbens. *Neurotoxicology and Teratology*. doi.

Lawrence, Y. A., Kemper, T. L., Bauman, M. L., & Blatt, G. J. (2010). Parvalbumin-, calbindin-, and calretinin-immunoreactive hippocampal interneuron density in autism. *Acta Neurologica Scandinavica*, 121(2), 99-108. doi.

Lax, N. Z., Hepplewhite, P. D., Reeve, A. K., Nesbitt, V., McFarland, R., Jaros, E., . . . Turnbull, D. M. (2012). Cerebellar Ataxia in Patients With Mitochondrial DNA Disease: A Molecular Clinicopathological Study. *Journal of Neuropathology and Experimental Neurology*, 71(2), 148-148. doi.

Lax, N. Z., Pienaar, I. S., Reeve, A. K., Hepplewhite, P. D., Jaros, E., Taylor, R. W., . . . Turnbull, D. M. (2012). Microangiopathy in the cerebellum of patients with mitochondrial DNA disease. *Brain*, 135(6), 1736-1750. doi.

Lax, N. Z., Whittaker, R. G., Hepplewhite, P. D., Reeve, A. K., Blakely, E. L., Jaros, E., . . . Turnbull, D. M. (2011). Sensory neuronopathy in patients harbouring recessive polymerase γ mutations. *Brain*, awr326. doi: 10.1093/brain/awr326. <http://brain.oxfordjournals.org/cgi/content/abstract/awr326v1>

Lazarov, O., Peterson, L. D., Peterson, D. A., & Sisodia, S. S. (2006). Expression of a Familial Alzheimer's Disease-Linked Presenilin-1 Variant Enhances Perforant Pathway Lesion- Induced Neuronal Loss in the Entorhinal Cortex. *Journal of Neuroscience*, 26(2), 429-434. doi: 10.1523/jneurosci.3961-05.2006. <http://www.jneurosci.org/cgi/content/abstract/26/2/429>

Lazzara, C. A., Riley, R. R., Rane, A., Andersen, J. K., & Kim, Y.-H. (2015). The combination of lithium and l-Dopa/Carbidopa reduces MPTP-induced abnormal involuntary movements (AIMs) via calpain-1 inhibition in a mouse model: Relevance for Parkinson's disease therapy. *Brain Research*, 1622(0), 127-136. doi: <http://dx.doi.org/10.1016/j.brainres.2015.06.018>. <http://www.sciencedirect.com/science/article/pii/S0006899315004898>

Le Belle, J. E., Orozco, N. M., Paucar, A. A., Saxe, J. P., Mottahedeh, J., Pyle, A. D., . . . Kornblum, H. I. (2011). Proliferative neural stem cells have high endogenous ROS levels that regulate self-renewal and neurogenesis in a PI3K/Akt-dependant manner. *Cell Stem Cell*, 8(1), 59-71. doi.

Le, W., Zhang, L., Xie, W., Li, S., & Dani, J. A. (2015). Pitx3 Deficiency Produces Decreased Dopamine Signaling and Induces Motor Deficits in Pitx3(-/-) Mice. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.08.012>.
<http://www.sciencedirect.com/science/article/pii/S0197458015004236>

Le Wang, Y. L., Yan, S., Du, T., Fu, X., Gong, X., Zhou, X., . . . Wang, X. (2019). Disease Progression-Dependent Expression of CD200R1 and CX3CR1 in Mouse Models of Parkinson's Disease. *Aging and Disease*, 0. doi: <http://www.aginganddisease.org/EN/10.14336/AD.2019.0615>

Le Belle, Janel E., Sperry, J., Ngo, A., Ghochani, Y., Laks, D. R., López-Aranda, M., . . . Kornblum, Harley I. (2014). Maternal Inflammation Contributes to Brain Overgrowth and Autism-Associated Behaviors through Altered Redox Signaling in Stem and Progenitor Cells. *Stem Cell Reports*, (0). doi: <http://dx.doi.org/10.1016/j.stemcr.2014.09.004>. <http://www.sciencedirect.com/science/article/pii/S2213671114002896>

Leach, N. D., Nodal, F. R., Cordery, P. M., King, A. J., & Bajo, V. M. (2013). Cortical Cholinergic Input Is Required for Normal Auditory Perception and Experience-Dependent Plasticity in Adult Ferrets. *Journal of Neuroscience*, 33(15), 6659-6671. doi: 10.1523/jneurosci.5039-12.2013. <http://www.jneurosci.org/content/33/15/6659.abstract>

Leal-Campanario, R., Alarcon-Martinez, L., Rieiro, H., Martinez-Conde, S., Alarcon-Martinez, T., Zhao, X., . . . Macknik, S. L. (2017). Abnormal Capillary Vasodynamics Contribute to Ictal Neurodegeneration in Epilepsy. [Article]. *Scientific Reports*, 7, 43276. doi: 10.1038/srep43276
<http://www.nature.com/articles/srep43276#supplementary-information>. <http://dx.doi.org/10.1038/srep43276>

Leao, P., Sousa, J. C., Oliveira, M., Silva, R., Almeida, O. F. X., & Sousa, N. (2007). Programming effects of antenatal dexamethasone in the developing mesolimbic pathways. *Synapse*, 61(1), 40-49. doi.

Lear, C. A., Davidson, J. O., Mackay, G. R., Drury, P. P., Galinsky, R., Quaedackers, J. S., . . . Bennet, L. (2017). Antenatal dexamethasone before asphyxia promotes cystic neural injury in preterm fetal sheep by inducing hyperglycemia. *Journal of Cerebral Blood Flow and Metabolism*, 0271678X17703124. doi: 10.1177/0271678X17703124. <http://dx.doi.org/10.1177/0271678X17703124>

Leasure, J. L., & Decker, L. (2009). Social isolation prevents exercise-induced proliferation of hippocampal progenitor cells in female rats. *Hippocampus*, 19(10), 907-912. doi.

Leasure, J. L., & Grider, M. (2010). The effect of mild post-stroke exercise on reactive neurogenesis and recovery of somatosensation in aged rats. *Experimental Neurology*, 226(1), 58-67. doi.

Leasure, J. L., & Jones, M. (2008). Forced and voluntary exercise differentially affect brain and behavior. *Neuroscience*, 156(3), 456-465. doi.

Leasure, J. L., & Nixon, K. (2010). Exercise neuroprotection in a rat model of binge alcohol consumption. *Alcoholism: Clinical and Experimental Research*, 34(3), 404-414. doi.

Leavitt, B. R., Raamsdonk, J. M., Shehadeh, J., Fernandes, H., Murphy, Z., Graham, R. K., . . . Hayden, M. R. (2006). Wild-type huntingtin protects neurons from excitotoxicity. *Journal of Neurochemistry*, 96(4), 1121-1129. doi: doi:10.1111/j.1471-4159.2005.03605.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03605.x>

Lebedeva, K. A., Allen, J., Kulhawy, E. Y., Caruncho, H. J., & Kalynchuk, L. E. (2020). Cyclical administration of corticosterone results in aggravation of depression-like behaviors and accompanying downregulations in reelin in an animal model of chronic stress relevant to human recurrent depression. *Physiology and Behavior*, 224, 113070. doi: <https://doi.org/10.1016/j.physbeh.2020.113070>. <http://www.sciencedirect.com/science/article/pii/S003193842030384X>

LeBlanc, N. J., Menet, R., Picard, K., Parent, G., Tremblay, M.-È., & ElAli, A. (2019). Canonical Wnt Pathway Maintains Blood-Brain Barrier Integrity upon Ischemic Stroke and Its Activation Ameliorates Tissue Plasminogen Activator Therapy. *Molecular Neurobiology*, 1-18. doi: <https://link.springer.com/article/10.1007/s12035-019-1539-9>

Lebovitz, Y., Kowalski, E. A., Wang, X., Kelly, C., Lee, M., McDonald, V., . . . Theus, M. H. (2019). Lactobacillus rescues postnatal neurobehavioral and microglial dysfunction in a model of maternal microbiome dysbiosis. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2019.07.025>. <http://www.sciencedirect.com/science/article/pii/S0889159119305653>

Lecours, C., St-Pierre, M.-K., Picard, K., Bordeleau, M., Bourque, M., Awogbindin, I. O., . . . Tremblay, M.-E. (2020). Levodopa partially rescues microglial numerical, morphological, and phagolysosomal alterations in a monkey model of Parkinson's disease. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2020.07.044>. <http://www.sciencedirect.com/science/article/pii/S0889159120305365>

Lee, A. W. S., Hengstler, H., Schwald, K., Berriel-Diaz, M., Loreth, D., Kirsch, M., . . . Schäfer, M. K. E. (2012). Functional Inactivation of the Genome-Wide Association Study Obesity Gene Neuronal Growth Regulator 1 in Mice Causes a Body Mass Phenotype. *Plos one*, 7(7), e41537. doi: 10.1371/journal.pone.0041537. <http://dx.doi.org/10.1371%2Fjournal.pone.0041537>

Lee, D., Pearson, T., Proctor, J. L., Rosenthal, R. E., & Fiskum, G. (2019). Oximetry-Guided normoxic resuscitation following canine cardiac arrest reduces cerebellar Purkinje neuronal damage. *Resuscitation*, 140, 23-28.

doi: <https://doi.org/10.1016/j.resuscitation.2019.04.043>.
<http://www.sciencedirect.com/science/article/pii/S0300957219301595>

Lee, D. H., Kim, C. S., & Lee, Y. J. (2011). Astaxanthin protects against MPTP/MPP+-induced mitochondrial dysfunction and ROS production in vivo and in vitro. *Food and Chemical Toxicology*, 49(1), 271-280. doi:

Lee, H. J., Dreyfus, C., & DiCicco-Bloom, E. (2015). Valproic acid stimulates proliferation of glial precursors during cortical gliogenesis in developing rat. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22359.
<http://dx.doi.org/10.1002/dneu.22359>

Lee, H. J., Wu, J., Chung, J., & Wrathall, J. R. (2012). SOX2 expression is upregulated in adult spinal cord after contusion injury in both oligodendrocyte lineage and ependymal cells. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23151. <http://dx.doi.org/10.1002/jnr.23151>

Lee, H.-J., Chang, L.-Y., Ho, Y.-C., Teng, S.-F., Hwang, L.-L., Mackie, K., & Chiou, L.-C. (2016). Stress induces analgesia via orexin 1 receptor-initiated endocannabinoid/CB1 signaling in the mouse periaqueductal gray. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2016.02.018>.
<http://www.sciencedirect.com/science/article/pii/S0028390816300545>

Lee, H.-Y., & Sherwood, O. D. (2005). The Effects of Blocking the Actions of Estrogen and Progesterone on the Rates of Proliferation and Apoptosis of Cervical Epithelial and Stromal Cells During the Second Half of Pregnancy in Rats. *Biology of Reproduction*, 73(4), 790-797. doi:

Lee, H.-Y., Zhao, S., Fields, P. A., & Sherwood, O. D. (2005). The Extent to which Relaxin Promotes Proliferation and Inhibits Apoptosis of Cervical Epithelial and Stromal Cells Is Greatest during Late Pregnancy in Rats *Endocrinology*, 146(doi:10.1210/en.2004-0796), 511-518. doi:

Lee, J., Parish, C. L., Tomas, D., & Horne, M. K. (2011). Chronic cocaine administration reduces striatal dopamine terminal density and striatal dopamine release which leads to drug-seeking behaviour. *Neuroscience*, 174, 143-150. doi:

Lee, J., Zhu, W.-M., Stanic, D., Finkelstein, D. I., Horne, M. H., Henderson, J., . . . Horne, M. K. (2008). Sprouting of dopamine terminals and altered dopamine release and uptake in Parkinsonian dyskinesia. *Brain*, 131(6), 1574-1587. doi: 10.1093/brain/awn085. <http://brain.oxfordjournals.org/cgi/content/abstract/awn085v1>

Lee, J. B., Satkunendrarajah, K., & Fehlings, M. G. (2011). Development and Characterization of a Novel Rat Model of Cervical Spondylotic Myelopathy: The Impact of Chronic Cord Compression on Clinical, Neuroanatomical, and Neurophysiological Outcomes. *Journal of Neurotrauma*. doi:

Lee, J. K., Chung, J., McAlpine, F. E., & Tansey, M. G. (2011). Regulator of G-Protein Signaling-10 Negatively Regulates NF- κ B in Microglia and Neuroprotects Dopaminergic Neurons in Hemiparkinsonian Rats. *Journal of Neuroscience*, 31(33), 11879-11888. doi:

Lee, J.-K., McCoy, M. K., Harms, A. S., Ruhn, K. A., Gold, S. J., & Tansey, M. G. (2008). Regulator of G-Protein Signaling 10 Promotes Dopaminergic Neuron Survival via Regulation of the Microglial Inflammatory Response. *Journal of Neuroscience*, 28(34), 8517-8528. doi: 10.1523/jneurosci.1806-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/34/8517>

Lee, J.-M., Yan, P., Xiao, Q., Chen, S., Lee, K.-Y., Hsu, C. Y., & Xu, J. (2008). Methylprednisolone Protects Oligodendrocytes But Not Neurons after Spinal Cord Injury. *Journal of Neuroscience*, 28(12), 3141-3149. doi: 10.1523/jneurosci.5547-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/12/3141>

Lee, J. Q., Demchuk, A. M., Morgan, E., McHugh, R., McNaughton, B. L., Sutherland, R. J., & McDonald, R. J. (2019). Place navigation in the Morris water task results in greater nuclear Arc mRNA expression in dorsal compared to ventral CA1. *Hippocampus*, 0(0). doi: 10.1002/hipo.23157. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hipo.23157>

Lee, J. Q., Sutherland, R. J., & McDonald, R. J. (2017). Hippocampal damage causes retrograde but not anterograde memory loss for context fear discrimination in rats. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22759. <http://dx.doi.org/10.1002/hipo.22759>

Lee, J. W., Siegel, S. M., & Oaklander, A. L. (2009). Effects of distal nerve injuries on dorsal- horn neurons and glia: relationships between lesion size and mechanical hyperalgesia. *Neuroscience*, 158(2), 904-914. doi.

Lee, J.-Y., Lee, L.-J., Fan, C.-C., Chang, H.-C., Shih, H.-A., Min, M.-Y., & Chang, M.-S. (2017). Important roles of Vils in dendritic architecture and synaptic plasticity. [Article]. *Scientific Reports*, 7, 45646. doi: 10.1038/srep45646

<https://www.nature.com/articles/srep45646#supplementary-information>. <http://dx.doi.org/10.1038/srep45646>

Lee, K., Bohnert, S., Bouchard, M., Vair, C., Farrell, J. S., Teskey, G. C., . . . Dunn, J. F. (2020). Quantitative T2 MRI is predictive of neurodegeneration following organophosphate exposure in a rat model. *Scientific Reports*, 10(1), 13007. doi: 10.1038/s41598-020-69991-z. <https://doi.org/10.1038/s41598-020-69991-z>

Lee, K. H., Lee, R., Lee, W. Y., Kim, D. H., Chung, H. J., Kim, J. H., . . . Song, H. (2014). Identification and In Vitro Derivation of Spermatogonia in Beagle Testis. *Plos one*, 9(10), e109963. doi: 10.1371/journal.pone.0109963. <http://dx.doi.org/10.1371%2Fjournal.pone.0109963>

Lee, K. K. H., Kwong, W. H., Chau, F.-t., Yew, D. T., & Chan, W. Y. (2002). Pien Tze Huang Protects the Liver against Carbon Tetrachloride-Induced Damage. *Pharmacology and Toxicology*, 91(4), 185-192. doi: doi:10.1034/j.1600-0773.2002.910406.x. <http://www.blackwell-synergy.com/doi/abs/10.1034/j.1600-0773.2002.910406...>

Lee, K. W., Zhao, X., Im, J. Y., Grosso, H., Jang, W. H., Chan, T. W., . . . others. (2012). Apoptosis Signal-Regulating Kinase 1 Mediates MPTP Toxicity and Regulates Glial Activation. *PLoS ONE*, 7(1), e29935-e29935. doi:

Lee, N.-C., Shieh, Y.-D., Chien, Y.-H., Tzen, K.-Y., Yu, I. S., Chen, P.-W., . . . Hwu, W.-L. (2012). Regulation of the dopaminergic system in a murine model of aromatic l-amino acid decarboxylase deficiency. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2012.12.005>.
<http://www.sciencedirect.com/science/article/pii/S0969996112003889>

Lee, O.-H., Kim, J., Kim, J.-M., Lee, H., Kim, E. H., Bae, S.-K., . . . Heo, J. H. (2013). Decreased expression of sirtuin 6 is associated with release of high mobility group box-1 after cerebral ischemia. *Biochemical and Biophysical Research Communications*, (0). doi: <http://dx.doi.org/10.1016/j.bbrc.2013.07.085>.
<http://www.sciencedirect.com/science/article/pii/S0006291X13012473>

Lee, R. H., Pulin, A. A., Seo, M. J., Kota, D. J., Ylostalo, J., Larson, B. L., . . . Prockop, D. J. (2009). Intravenous hMSCs improve myocardial infarction in mice because cells embolized in lung are activated to secrete the anti-inflammatory protein TSG-6. *Cell Stem Cell*, 5(1), 54-63. doi:

Lee, S., Kim, D. H., Lee, D. H., Jeon, S. J., Lee, C. H., Son, K. H., . . . Ryu, J. H. (2010). Oroxylin A, a flavonoid, stimulates adult neurogenesis in the hippocampal dentate gyrus region of mice. *Neurochemical Research*, 1-8. doi:

Lee, S. J., Campomanes, C. R., Sikat, P. T., Greenfield, A. T., Allen, P. B., & McEwen, B. S. (2004). Estrogen induces phosphorylation of cyclic AMP response element binding (pCREB) in primary hippocampal cells in a time-dependent manner. *Neuroscience*, 124(3), 549-560. doi:

Lee, S. J., Romeo, R. D., Svenningsson, P., Campomanes, C. R., Allen, P. B., Greengard, P., & McEwen, B. S. (2004). Estradiol affects spinophilin protein differently in gonadectomized males and females. *Neuroscience*, 127(4), 983-988. doi:

Lee, S. W., Haditsch, U., Cord, B. J., Guzman, R., Kim, S. J., Boettcher, C., . . . Palmer, T. D. (2012). Absence of CCL2 is sufficient to restore hippocampal neurogenesis following cranial irradiation. *Brain, Behavior, and Immunity*, (0). doi: 10.1016/j.bbi.2012.09.010.
<http://www.sciencedirect.com/science/article/pii/S0889159112004370>

Lee, T., Chana, G., Gorry, P., Ellett, A., Bousman, C., Churchill, M., . . . Everall, I. (2015). Inhibition of catechol-O-methyl transferase (COMT) by tolcapone restores reductions in microtubule-associated protein 2 (MAP2) and synaptophysin (SYP) following exposure of neuronal cells to neurotropic HIV. *Journal of Neurovirology*, 1-9. doi: 10.1007/s13365-015-0354-y.
<http://dx.doi.org/10.1007/s13365-015-0354-y>

Lee, T. C., Greene-Schloesser, D., Payne, V., Diz, D. I., Hsu, F.-C., Kooshki, M., . . . Robbins, M. E. (2012). Chronic Administration of the Angiotensin-Converting Enzyme Inhibitor, Ramipril, Prevents Fractionated Whole-Brain Irradiation-Induced Perirhinal Cortex-Dependent Cognitive Impairment. *Radiation Research*. doi: 10.1667/rr2731.1. <http://www.rjournal.org/doi/abs/10.1667/RR2731.1>

Lee, T. H., Ahadullah, Christie, B. R., Lin, K., Siu, P. M.-f., Zhang, L., . . . Yau, S.-y. (2021). Chronic AdipoRon Treatment Mimics the Effects of Physical Exercise on Restoring Hippocampal Neuroplasticity in Diabetic Mice. *Molecular Neurobiology*. doi: 10.1007/s12035-021-02441-7

7. <https://doi.org/10.1007/s12035-021-02441-7>

Lee, T.-S., Li, A. Y., Rapuano, A., Mantis, J., Eid, T., Seyfried, T. N., & de Lanerolle, N. C. (2021). Gene expression in the epileptic (EL) mouse hippocampus. *Neurobiology of Disease*, 147, 105152.

doi: <https://doi.org/10.1016/j.nbd.2020.105152>.

<http://www.sciencedirect.com/science/article/pii/S0969996120304277>

Lee, T. T., Skafidas, E., Dottori, M., Zantomio, D., Pantelis, C., Everall, I., & Chana, G. (2017). No preliminary evidence of differences in astrocyte density within the white matter of the dorsolateral prefrontal cortex in autism. [journal article]. *Molecular Autism*, 8(1), 64. doi: 10.1186/s13229-017-0181-5. <https://doi.org/10.1186/s13229-017-0181-5>

Lee, V. M., smiley, G. G., & Nishi, R. (2001). Cell Death and Neuronal Replacement during Formation of the Avian Ciliary Ganglion. *Developmental Biology*, 233, 437-448. doi:

Lee, Y., Karuppagounder, S. S., Shin, J.-H., Lee, Y.-I., Ko, H. S., Swing, D., . . . Kang, H. C. (2013). Parthanatos mediates AIMP2-activated age-dependent dopaminergic neuronal loss. *Nature Neuroscience*.

doi: <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3500.html>

Lee, Y.-I., Kang, H., Ha, Y. W., Chang, K.-Y., Cho, S.-C., Song, S. O., . . . Shin, J.-H. (2015). Diaminodiphenyl sulfone-induced parkin ameliorates age-dependent dopaminergic neuronal loss. *Neurobiology of Aging*.

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.11.008>.

<http://www.sciencedirect.com/science/article/pii/S0197458015005606>

Lee, Y.-S., Wu, S., Livingston Arinzech, T., & Bartlett Bunge, M. (2016). Enhanced noradrenergic axon regeneration into Schwann cell-filled PVDF-TrFE conduits after complete spinal cord transection. *Biotechnology and Bioengineering*, n/a-n/a. doi:

10.1002/bit.26088. <http://dx.doi.org/10.1002/bit.26088>

Leem, E., Kim, H.-J., Choi, M., Kim, S., Oh, Y.-S., Lee, K. J., . . . Kim, S. R. (2018). Upregulation of neuronal astrocyte elevated gene-1 protects nigral dopaminergic neurons in vivo. *Cell death & disease*, 9(5), 449. doi: 10.1038/s41419-018-0491-3.

<https://doi.org/10.1038/s41419-018-0491-3>

Leemburg, S., Canonica, T., & Luft, A. (2018). Motor skill learning and reward consumption differentially affect VTA activation. *Scientific Reports*, 8(1), 687. doi:

10.1038/s41598-017-18716-w. <https://doi.org/10.1038/s41598-017-18716-w>

Lehmann, H. C., Lopez, P. H. H., Zhang, G., Ngyuen, T., Zhang, J., Kieseier, B. C., . . . Sheikh, K. A. (2007). Passive Immunization with Anti-Ganglioside Antibodies Directly Inhibits Axon Regeneration in an Animal Model. *Journal of Neuroscience*, 27(1), 27-34. doi: 10.1523/jneurosci.4017-06.2007.

<http://www.jneurosci.org/cgi/content/abstract/27/1/27>

Lehmann, H. C., Zhang, J., Mori, S., & Sheikh, K. A. (2010). Diffusion tensor imaging to assess axonal regeneration in peripheral nerves. *Experimental Neurology*, 223(1), 238-244. doi.

Lehmann, J., Pryce, C. R., Jongen-Rêlo, A. L., Stöhr, T., Pothuizen, H. H. J., & Feldon, J. (2002). Comparison of maternal separation and early handling in terms of their neurobehavioral effects in aged rats. *Neurobiology of Aging*, 23(3), 457-466. doi.

Lehmann, M. L., Brachman, R. A., Martinowich, K., Schloesser, R. J., & Herkenham, M. (2013). Glucocorticoids Orchestrate Divergent Effects on Mood through Adult Neurogenesis. *Journal of Neuroscience*, 33(7), 2961-2972. doi: 10.1523/jneurosci.3878-12.2013. <http://www.jneurosci.org/content/33/7/2961.abstract>

Lehnardt, S., Lehmann, S., Kaul, D., Tschimmel, K., Hoffmann, O., Cho, S., . . . Weber, J. R. (2007). Toll-like receptor 2 mediates CNS injury in focal cerebral ischemia. *Journal of Neuroimmunology*, 190(1-2), 28-33. doi.

Lehner, B., Sandner, B., Marschallinger, J., Lehner, C., Furtner, T., Couillard-Despres, S., . . . others. (2011). The dark side of BrdU in neural stem cell biology: detrimental effects on cell cycle, differentiation and survival. *Cell and Tissue Research*, 1-16. doi.

Lei, B., James, M. L., Liu, J., Zhou, G., Venkatraman, T. N., Lascola, C. D., . . . Wang, H. (2016). Neuroprotective pentapeptide CN-105 improves functional and histological outcomes in a murine model of intracerebral hemorrhage. [Article]. *Scientific Reports*, 6, 34834. doi: 10.1038/srep34834. <http://dx.doi.org/10.1038/srep34834>

Lei, P., Ayton, S., Appukuttan, A. T., Moon, S., Duce, J. A., Volitakis, I., . . . Bush, A. I. (2016). Lithium suppression of tau induces brain iron accumulation and neurodegeneration. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2016.96. <http://dx.doi.org/10.1038/mp.2016.96>

Lei, P., Ayton, S., Appukuttan, A. T., Volitakis, I., Adlard, P. A., Finkelstein, D. I., & Bush, A. I. (2015). Clioquinol rescues Parkinsonism and dementia phenotypes of the tau knockout mouse. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.03.015>. <http://www.sciencedirect.com/science/article/pii/S096999611500087X>

Leibowitz, J. A., Natarajan, G., Zhou, J., King, M. A., Carney, P. R., & Ormerod, B. K. (2019). Sustained somatostatin gene expression reverses kindling-induced increases in the number of dividing Type-1 neural stem cells in the hippocampi of behaviorally responsive rats. *Epilepsy Research*. doi: <https://doi.org/10.1016/j.epilepsyres.2019.01.005>. <http://www.sciencedirect.com/science/article/pii/S0920121118305382>

Leigland, L. A., Budde, M. D., Cornea, A., & Kroenke, C. D. (2013). Diffusion MRI of the developing cerebral cortical gray matter can be used to detect abnormalities in tissue microstructure associated with fetal ethanol exposure. *Neuroimage*, (0). doi: <http://dx.doi.org/10.1016/j.neuroimage.2013.07.068>. <http://www.sciencedirect.com/science/article/pii/S1053811913008379>

Leino, S., Koski, S. K., Hänninen, R., Tapanainen, T., Rannanpää, S., & Salminen, O. (2018). Attenuated dopaminergic neurodegeneration and motor dysfunction in hemiparkinsonian mice lacking the $\alpha 5$ nicotinic acetylcholine receptor subunit. *Neuropharmacology*, 138, 371- 380.

doi: <https://doi.org/10.1016/j.neuropharm.2018.06.028>.

<https://www.sciencedirect.com/science/article/pii/S0028390818303307>

Leite-Almeida, H., & Almeida, A. (2007). Novel applications of common stereology software to represent the complete distribution, density and spatial organization of anterogradely labelled fibers in neuroanatomical tract-tracing studies. *Journal of Neuroscience Methods*, 163(1), 17-23. doi.

Leitermann, R. J., Sajdyk, T. J., & Urban, J. H. (2012). Cell-specific expression of calcineurin immunoreactivity within the rat basolateral amygdala complex and colocalization with the neuropeptide Y Y1 receptor. *Journal of Chemical Neuroanatomy*, (0). doi:

10.1016/j.jchemneu.2012.07.005. <http://www.sciencedirect.com/science/article/pii/S0891061812000464>

Lemmens, E. M. P., Lubbers, T., Schijns, O. E. M. G., Beuls, E. A. M., & Hoogland, G. (2005). Gender Differences in Febrile Seizure-induced Proliferation and Survival in the Rat Dentate Gyrus. *Epilepsia*, 46(10), 1603-1612. doi: doi:10.1111/j.1528-

1167.2005.00252.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1528-1167.2005.00252.x>

Lemmens, E. M. P., Schijns, O. E. M. G., Beuls, E. A. M., & Hoogland, G. (2008). Cytogenesis in the dentate gyrus after neonatal hyperthermia-induced seizures: What becomes of surviving cells? *Epilepsia*, 49(5), 853-860. doi: doi:10.1111/j.1528-

1167.2007.01476.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1528-1167.2007.01476.x>

Lemmens, M. A. M., Sierksma, A. S. R., Rutten, B. P. F., Dennissen, F., Steinbusch, H. W. M., Lucassen, P. J., & Schmitz, C. (2011). Age-related changes of neuron numbers in the frontal cortex of a transgenic mouse model of Alzheimer's disease. *Brain Structure and Function*, 1-

11. doi.

Lemmens, M. A. M., Steinbusch, H. W. M., Rutten, B. P. F., & Schmitz, C. (2010). Advanced microscopy techniques for quantitative analysis in neuromorphology and neuropathology research: current status and requirements for the future. *Journal of Chemical Neuroanatomy*, 40(3), 199-209. doi.

Lemos, M., Venezia, S., Refolo, V., Heras-Garvin, A., Schmidhuber, S., Giese, A., . . . Stefanova, N. (2020). Targeting α -synuclein by PD03 AFFITOPE® and Anle138b rescues neurodegenerative pathology in a model of multiple system atrophy: clinical relevance. *Translational Neurodegeneration*, 9(1), 38. doi: 10.1186/s40035-020-00217-

y. <https://doi.org/10.1186/s40035-020-00217-y>

Lemus, M. B., Bayliss, J. A., Lockie, S. H., Santos, V. V., Reichenbach, A., Stark, R., & Andrews, Z. B. (2015). A stereological analysis of NPY, POMC, orexin, GFAP astrocyte and Iba1

microglia cell number and volume in diet-induced obese male mice. *Endocrinology*, en.2014-1961. doi: 10.1210/en.2014-1961. <http://dx.doi.org/10.1210/en.2014-1961>

Lemus, M. B., Bayliss, J. A., Lockie, S. H., Santos, V. V., Reichenbach, A., Stark, R., & Andrews, Z. B. (2015). A stereological analysis of NPY, POMC, orexin, GFAP astrocyte and Iba1 microglia cell number and volume in diet-induced obese male mice. *Endocrinology*, o(o), en.2014-1961. doi: doi:10.1210/en.2014-1961. <http://press.endocrine.org/doi/abs/10.1210/en.2014-1961>

Lendvay, T. S., Sweet, R., Han, C.-H., Soygur, T., Cheng, J.-F., Plaire, J. C., . . . Bassuk, J. A. (2007). Compensatory paracrine mechanisms that define the urothelial response to injury in partial bladder outlet obstruction *American Journal of Physiology - Renal Physiology*, 293(4), F1147-F1156. doi.

Leng, A., Feldon, J., & Ferger, B. (2003). Rotenone increases glutamate-induced dopamine release but does not affect hydroxyl-free radical formation in rat striatum. *Synapse*, 50(3), 240-250. doi.

Leng, A., Mura, A., Feldon, J., & Ferger, B. (2005). Tumor necrosis factor-alpha receptor ablation in a chronic MPTP mouse model of Parkinson's disease. *Neuroscience Letters*, 375(2), 107-111. doi.

Leng, A., Mura, A., Hengerer, B., Feldon, J., & Ferger, B. (2004). Effects of blocking the dopamine biosynthesis and of neurotoxic dopamine depletion with 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP) on voluntary wheel running in mice. *Behavioural Brain Research*, 154(2), 375-383. doi.

Lenglos, C., Calvez, J., & Timofeeva, E. (2014). Sex-specific effects of relaxin-3 on food intake and brain expression of corticotropin-releasing factor in rats. *Endocrinology*. doi. <http://press.endocrine.org/doi/abs/10.1210/en.2014-1743>

Lenglos, C., Mitra, A., Guèvremont, G., & Timofeeva, E. (2013). Sex Differences In The Effects Of Chronic Stress And Food Restriction On Body Weight Gain And Brain Expression Of Crf And Relaxin-3 In Rats. *Genes, Brain and Behavior*, n/a-n/a. doi: 10.1111/gbb.12028. <http://dx.doi.org/10.1111/gbb.12028>

Lenglos, C., Mitra, A., Guèvremont, G., & Timofeeva, E. (2014). Regulation of expression of relaxin-3 and its receptor RXFP3 in the brain of diet-induced obese rats. *Neuropeptides*, (o). doi: <http://dx.doi.org/10.1016/j.npep.2014.02.002>. <http://www.sciencedirect.com/science/article/pii/S0143417914000171>

Lensu, S., Miettinen, R., Pohjanvirta, R., Linden, J., & Tuomisto, J. (2006). Assessment by c-Fos Immunostaining of Changes in Brain Neural Activity Induced by 2,3,7,8-Tetrachlorodibenzo- p-Dioxin (TCDD) and Leptin in Rats". *Basic and Clinical Pharmacology and Toxicology*, 98(4), 363-371. doi: doi:10.1111/j.1742-7843.2006.pto_276.x. http://www.blackwell-synergy.com/doi/abs/10.1111/j.1742-7843.2006.pto_27...

Lenz, K. M., Graham, M. D., Parada, M., Fleming, A. S., Sengelaub, D. R., & Monks, D. A. (2008). Tactile stimulation during artificial rearing influences adult function and morphology in a

sexually dimorphic neuromuscular system. *Developmental Neurobiology*, 68(4), 542-557. doi.

Lenz, K. M., Nugent, B. M., Haliyur, R., & McCarthy, M. M. (2013). Microglia Are Essential to Masculinization of Brain and Behavior. *Journal of Neuroscience*, 33(7), 2761-2772. doi: 10.1523/jneurosci.1268-12.2013.
<http://www.jneurosci.org/content/33/7/2761.abstract>

Lenz, K. M., Pickett, L. A., Wright, C. L., Galan, A., & McCarthy, M. M. (2019). Prenatal Allergen Exposure Perturbs Sexual Differentiation and Programs Lifelong Changes in Adult Social and Sexual Behavior. *Scientific Reports*, 9(1), 4837. doi: 10.1038/s41598-019-41258-2.
[2. https://doi.org/10.1038/s41598-019-41258-2](https://doi.org/10.1038/s41598-019-41258-2)

Lenz, K. M., & Sengelaub, D. R. (2006). Maternal licking influences dendritic development of motoneurons in a sexually dimorphic neuromuscular system. *Brain Research*, 1092(1), 87-99. doi.

Lenz, K. M., & Sengelaub, D. R. (2009). Maternal care effects on SNB motoneuron development: The mediating role of sensory afferent distribution and activity. *Developmental Neurobiology*, 69(9), 603-615. doi.

Lenz, K. M., & Sengelaub, D. R. (2010). Maternal care effects on the development of a sexually dimorphic motor system: The role of spinal oxytocin. *Hormones and Behavior*, 58(4), 575-581. doi.

Leon, J., Sakumi, K., Castillo, E., Sheng, Z., Oka, S., & Nakabeppu, Y. (2016). 8-Oxoguanine accumulation in mitochondrial DNA causes mitochondrial dysfunction and impairs neuritogenesis in cultured adult mouse cortical neurons under oxidative conditions. [Article]. *Scientific Reports*, 6, 22086. doi: 10.1038/srep22086
<http://www.nature.com/articles/srep22086#supplementary-information>. <http://dx.doi.org/10.1038/srep22086>

Leranth, C., Szigeti-Buck, K., MacLusky, N. J., & Hajszan, T. (2008). Bisphenol A Prevents the Synaptogenic Response to Testosterone in the Brain of Adult Male Rats. *Neuroendocrinology*, 149, 988-994. doi.

Lerch, J. P., Carroll, J. B., Spring, S., Bertram, L. N., Schwab, C., Hayden, M. R., & Mark Henkelman, R. (2008). Automated deformation analysis in the YAC128 Huntington disease mouse model. *Neuroimage*, 39(1), 32-39. doi.

Lerchner, W., Xiao, C., Nashmi, R., Slimko, E. M., van Trigt, L., Lester, H. A., & Anderson, D. J. (2007). Reversible Silencing of Neuronal Excitability in Behaving Mice by a Genetically Targeted, Ivermectin-Gated Cl⁻ sup⁻ Channel. *Neuron*, 54(1), 35-49. doi.

Lerner, R. P., Trejo Martinez, L. C. G., Zhu, C., Chesselet, M. F., & Hickey, M. A. (2012). Striatal atrophy and dendritic alterations in a knock-in mouse model of Huntington's disease. *Brain Research Bulletin*. doi.

Leroy, K., Bretteville, A., Schindowski, K., Gilissen, E., Authelet, M., De Decker, R., . . . Brion, J. P. (2007). Early axonopathy preceding neurofibrillary tangles in mutant tau transgenic mice. *American Journal of Pathology*, 171(3), 976-976. doi.

Lescun, T. B., Baird, D. K., Oliver, L. J., Adams, S. B., Hawkins, J. F., & Moore, G. E. (2012). Comparison of hydroxyapatite-coated and uncoated pins for transfixation casting in horses. *American Journal of Veterinary Research*, 73(5), 724-734. doi.

Leslie, A. T. F. S., Akers, K. G., Martinez-Canabal, A., Mello, L. E. A., Covolan, L., & Guinsburg, R. (2011). Neonatal inflammatory pain increases hippocampal neurogenesis in rat pups. *Neuroscience Letters*. doi.

Lesné, S. E., Sherman, M. A., Grant, M., Kuskowski, M., Schneider, J. A., Bennett, D. A., & Ashe, K. H. (2013). Brain amyloid- β oligomers in ageing and Alzheimer's disease. *Brain*. doi: 10.1093/brain/awt062.
http://brain.oxfordjournals.org/content/early/2013/04/09/brain.a_wt062.ab...

Lesort, M., Jope, R. S., & Johnson, G. V. (1999). Insulin transiently increases tau phosphorylation: involvement of glycogen synthase kinase-3 β and Fyn tyrosine kinase. *Journal of Neurochemistry*, 72. doi: 10.1046/j.1471-4159.1999.0720576.x. <http://dx.doi.org/10.1046/j.1471-4159.1999.0720576.x>

Leuner, B., Glasper, E. R., & Gould, E. (2009). Thymidine analog methods for studies of adult neurogenesis are not equally sensitive. *Journal of Comparative Neurology*, 517(2), 123-133. doi.

Leuner, B., & Gould, E. (2010). Dendritic Growth in Medial Prefrontal Cortex and Cognitive Flexibility Are Enhanced during the Postpartum Period. *Journal of Neuroscience*, 30(40), 13499-13503. doi: 10.1523/jneurosci.3388-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/40/13499>

Leung, J. W.-H., Lau, B. W.-M., Chan, V. S.-F., Lau, C.-S., & So, K.-F. (20c6c). Abnormal increase of neuronal precursor cells and exacerbated neuroinflammation in the corpus callosum in murine model of systemic lupus erythematosus. *Restorative Neurology and Neuroscience*, (Preprint), 1-11. doi.
<http://content.iospress.com/articles/restorative-neurology-and-neuroscie...>

Leussis, M. P., Freund, N., Brenhouse, H. C., Thompson, B. S., & Andersen, S. L. (2012). Depressive-Like Behavior in Adolescents after Maternal Separation: Sex Differences, Controllability, and GABA. *Developmental Neuroscience*. doi.

Lew, C. H., Brown, C., Bellugi, U., & Semendeferi, K. (2016). Neuron density is decreased in the prefrontal cortex in Williams syndrome. *Autism Research*, n/a-n/a. doi: 10.1002/aur.1677. <http://dx.doi.org/10.1002/aur.1677>

Lew, C. H., Groeniger, K. M., Bellugi, U., Stefanacci, L., Schumann, C. M., & Semendeferi, K. (2017). A postmortem stereological study of the amygdala in Williams syndrome. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-017-1592-y. <https://doi.org/10.1007/s00429-017-1592-y>

Lew, C. H., Hanson, K. L., Groeniger, K. M., Greiner, D., Cuevas, D., Hrvoj-Mihic, B., . . . Semendeferi, K. (2019). Serotonergic innervation of the human amygdala and evolutionary implications. *American Journal of Physical Anthropology*, 0(0). doi: 10.1002/ajpa.23896. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ajpa.23896>

Lew, F. H., & Buckmaster, P. S. (2011). Is there a critical period for mossy fiber sprouting in a mouse model of temporal lobe epilepsy? *Epilepsia*, 52(12), 2326-2332. doi: 10.1111/j.1528-1167.2011.03315.x. <http://dx.doi.org/10.1111/j.1528-1167.2011.03315.x>

Lewis, D. A., Cruz, D. A., Melchitzky, D. S., & Pierri, J. N. (2001). Lamina-Specific Deficits in Parvalbumin-Immunoreactive Varicosities in the Prefrontal Cortex of Subjects With Schizophrenia: Evidence for Fewer Projections From the Thalamus. *American Journal of Psychiatry*, 158, 1411-1422. doi.

Lewitus, E., Hof, P. R., & Sherwood, C. C. (2012). Phylogenetic Comparison of Neuron and Glia Densities in the Primary Visual Cortex and Hippocampus of Carnivores and Primates. *Evolution*. doi.

Lewitus, E., Sherwood, C. C., & Hof, P. R. (2011). Cellular signatures in the primary visual cortex of phylogeny and placentation. *Brain Structure and Function*, 1-17. doi.

Li, A., Jing, D., Dellarco, D. V., Hall, B. S., Yang, R., Heilberg, R. T., . . . Lee, F. S. (2019). Role of BDNF in the development of an OFC-amygdala circuit regulating sociability in mouse and human. *Molecular Psychiatry*. doi: 10.1038/s41380-019-0422-4. <https://doi.org/10.1038/s41380-019-0422-4>

Li, A., Nattie, E., & Roy, S. (2016). The Enhanced CO₂ Chemoreflex is Associated with Increased Number of CO₂-activated Orexin Neurons in the Lateral Hypothalamus in Spontaneously Hypertensive Rats (SHRs). *The FASEB Journal*, 30(1 Supplement), 772.777. doi. http://www.fasebj.org/content/30/1_Supplement/772.7.abstract

Li, A., Roy, S. H., & Nattie, E. E. (2016). An augmented CO₂ chemoreflex and overactive orexin system are linked with hypertension in young and adult spontaneously hypertensive rats (SHRs). *The Journal of physiology*, n/a-n/a. doi: 10.1113/jp272199. <http://dx.doi.org/10.1113/JP272199>

Li, C., Biswas, S., Li, X., Dutta, A. K., & Le, W. (2010). Novel D3 dopamine receptor-preferring agonist D-264: Evidence of neuroprotective property in Parkinson's disease animal models induced by 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine and lactacystin. *Journal of Neuroscience Research*, 88(11), 2513-2523. doi.

Li, C., Brake, W. G., Romeo, R. D., Dunlop, J. C., Gordon, M., Buzescu, R., . . . McEwen, B. S. (2004). Estrogen alters hippocampal dendritic spine shape and enhances synaptic protein immunoreactivity and spatial memory in female mice. *Proceedings of the National Academy of Sciences*, 101(7), 2185-2190. doi: 10.1073/Proceedings of the National Academy of Sciences.0307313101. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/7/2185>

Li, C., Guo, Y., Xie, W., Li, X., Janokovic, J., & Le, W. (2010). Neuroprotection of pramipexole in UPS impairment induced animal model of Parkinson's disease. *Neurochemical Research*, 35(10), 1546-1556. doi:

Li, E., Kim, Y., Kim, S., Sato, T., Kojima, M., & Park, S. (2013). Ghrelin stimulates proliferation, migration and differentiation of neural progenitors from the subventricular zone in the adult mice. *Experimental Neurology*, (0).

doi: <http://dx.doi.org/10.1016/j.expneurol.2013.11.021>.

<http://www.sciencedirect.com/science/article/pii/S0014488613003543>

Li, F., Calingasan, N. Y., Yu, F., Mauck, W. M., Toidze, M., Almeida, C. G., . . . Gouras, G. K. (2004). Increased plaque burden in brains of APP mutant MnSOD heterozygous knockout mice. *Journal of Neurochemistry*, 89(5), 1308-1312. doi:

<http://www.blackwell-synergy.com/links/doi/10.1111/j.1471-4159.2004.0245...>

Li, H., Illenberger, J. M., Cranston, M. N., Mactutus, C. F., McLaurin, K. A., Harrod, S. B., & Booze, R. M. (2019). Posterior ventral tegmental area-nucleus accumbens shell circuitry modulates response to novelty. *Plos one*, 14(3), e0213088. doi:

10.1371/journal.pone.0213088. <https://doi.org/10.1371/journal.pone.0213088>

Li, H., Li, Q., Du, X., Sun, Y., Wang, X., Kroemer, G., . . . Zhu, C. (2011). Lithium-mediated long- term neuroprotection in neonatal rat hypoxia-ischemia is associated with antiinflammatory effects and enhanced proliferation and survival of neural stem/progenitor cells. *Journal of Cerebral Blood Flow and Metabolism*, 31(10), 2106-2115. doi:

Li, H., Liu, Z., Wu, Y., Chen, Y., Wang, J., Wang, Z., . . . Huang, F. (2020). The deficiency of NRSF/REST enhances the pro-inflammatory function of astrocytes in a model of Parkinson's disease. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1866(1), 165590.

doi: <https://doi.org/10.1016/j.bbadis.2019.165590>.

<http://www.sciencedirect.com/science/article/pii/S0925443919303138>

Li, H., Zhong, X., Chau, K. F., Santistevan, N. J., Guo, W., Kong, G., . . . Chang, Q. (2014). Cell cycle-linked MeCP2 phosphorylation modulates adult neurogenesis involving the Notch signalling pathway. [Article]. *Nat Commun*, 5. doi:

10.1038/ncomms6601. <http://dx.doi.org/10.1038/ncomms6601>

Li, H. H., Roy, M., Kuscuoglu, U., Spencer, C. M., Halm, B., Harrison, K. C., . . . others. (2009). Induced chromosome deletions cause hypersociability and other features of Williams-Beuren syndrome in mice. *EMBO Molecular Medicine*, 1(1), 50-65. doi:

Li, J., Calkins, M. J., Johnson, D. A., & Johnson, J. A. (2007). Role of Nrf2-dependent ARE-driven antioxidant pathway in neuroprotection. *Methods in Molecular Medicine*, 399, 67-67. doi:

Li, J., Deng, J., Sheng, W., & Zuo, Z. (2012). Metformin attenuates Alzheimer's disease-like neuropathology in obese, leptin-resistant mice. *Pharmacology, Biochemistry and Behavior*,

101. doi: 10.1016/j.pbb.2012.03.002. <http://dx.doi.org/10.1016/j.pbb.2012.03.002>

Li, J., Geisbush, T. R., Arnold, W. D., Rosen, G. D., Zaworski, P. G., & Rutkove, S. B. (2014). A Comparison of Three Electrophysiological Methods for the Assessment of Disease Status in a Mild Spinal Muscular Atrophy Mouse Model. *Plos one*, 9(10), e111428. doi: 10.1371/journal.pone.0111428. <http://dx.doi.org/10.1371%2Fjournal.pone.0111428>

Li, J., Geisbush, T. R., Rosen, G. D., Lachey, J., Mulivor, A., & Rutkove, S. B. (2013). Electrical impedance myography for the in and ex vivo assessment of muscular dystrophy (mdx) mouse muscle. *Muscle and Nerve*, n/a-n/a. doi: 10.1002/mus.24086. <http://dx.doi.org/10.1002/mus.24086>

Li, J., Xia, Z., Sun, X., Zhang, R., Huang, G., Hickling, R., . . . Zhang, Y. (2013). Reversal of dopamine neurons and locomotor ability degeneration in aged rats with smilagenin. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.04.028>. <http://www.sciencedirect.com/science/article/pii/S0306452213003539>

Li, J., Yim, S., Pacheck, A., Sanchez, B., & Rutkove, S. B. (2016). Electrical Impedance Myography to Detect the Effects of Electrical Muscle Stimulation in Wild Type and Mdx Mice. *Plos one*, 11(3), e0151415. doi: 10.1371/journal.pone.0151415. <http://dx.doi.org/10.1371%2Fjournal.pone.0151415>

Li, J., Yu, L., Gu, X., Ma, Y., Pasqualini, R., Arap, W., . . . Sidman, R. L. (2013). Tissue plasminogen activator regulates Purkinje neuron development and survival. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1305010110. http://www.pnas.org/content/early/2013/05/14/1305010110.ab_struct

Li, L., Candelario, K. M., Thomas, K., Wang, R., Wright, K., Messier, A., & Cunningham, L. A. (2014). Hypoxia Inducible Factor-1 α (HIF-1 α) Is Required for Neural Stem Cell Maintenance and Vascular Stability in the Adult Mouse SVZ. *The Journal of Neuroscience*, 34(50), 16713- 16719. doi: <http://www.jneurosci.org/content/34/50/16713.short>

Li, L., Eldredge, L. C., Quach, D. H., Honasoge, A., Gruner, K., & Tourtellotte, W. G. (2011). *Egr3* Dependent Sympathetic Target Tissue Innervation in the Absence of Neuron Death. *PLoS ONE*, 6(9), e25696-e25696. doi.

Li, L., Ni, L., Eugenin, E. A., Heary, R. F., & Elkabes, S. (2019). Toll-like receptor 9 antagonism modulates astrocyte function and preserves proximal axons following spinal cord injury. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2019.04.010>. <http://www.sciencedirect.com/science/article/pii/S0889159118305300>

Li, L., Ni, L., Heary, R. F., & Elkabes, S. (2020). Astroglial TLR9 antagonism promotes chemotaxis and alternative activation of macrophages via modulation of astrocyte-derived signals: implications for spinal cord injury. *Journal of neuroinflammation*, 17(1), 73. doi: 10.1186/s12974-020-01748-x. <https://doi.org/10.1186/s12974-020-01748-x>

Li, L., Yun, S. H., Keblesh, J., Trommer, B. L., Xiong, H., Radulovic, J., & Tourtellotte, W. G. (2007). Egr3, a synaptic activity regulated transcription factor that is essential for learning and memory. *Molecular and Cellular Neuroscience*, 35(1), 76-88. doi.

Li, M., Li, L., Wang, K., Su, W., Jia, J., & Wang, X. (2017). The effect of electroacupuncture on proteomic changes in the motor cortex of 6-OHDA Parkinsonian rats. *Brain Research*. doi: <https://doi.org/10.1016/j.brainres.2017.07.027>.
<http://www.sciencedirect.com/science/article/pii/S0006899317303268>

Li, Q., Li, H., Roughton, K., Wang, X., Kroemer, G., Blomgren, K., & Zhu, C. (2010). Lithium reduces apoptosis and autophagy after neonatal hypoxia-ischemia. *Cell Death and Disease*, 1(7), e56-e56. doi.

Li, Q., Loh, D. H., Kudo, T., Truong, D., Derakhshesh, M., Kaswan, Z. M., . . . Colwell, C. S. (2015). Circadian rhythm disruption in a mouse model of Rett syndrome circadian disruption in RTT. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.03.009>.
<http://www.sciencedirect.com/science/article/pii/S0969996115000716>

Li, Q., Xuan, A., Qi, F., Yang, J., Zou, J., & Yao, Z. (2019). Synergistic effects of combined vaccination with BCG and influenza vaccines on spatial cognition and hippocampal plasticity in rats. *Brain Research Bulletin*, 149, 268-278. doi: <https://doi.org/10.1016/j.brainresbull.2019.04.025>. <http://www.sciencedirect.com/science/article/pii/S0361923018306944>

Li, S., Nie, E. H., Yin, Y., Benowitz, L. I., Tung, S., Vinters, H. V., . . . Carmichael, S. T. (2015). GDF10 is a signal for axonal sprouting and functional recovery after stroke. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4146

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4146.html#suppl>
.....<http://dx.doi.org/10.1038/nn.4146>

Li, S., Overman, J. J., Katsman, D., Kozlov, S. V., Donnelly, C. J., Twiss, J. L.,.....Carmichael, S. T. (2010). An age-related sprouting transcriptome provides molecular control of axonal sprouting after stroke. *Nature Neuroscience*, 13(12), 1496-1504. doi.

Li, S., Uno, Y., Rudolph, U., Cobb, J., Liu, J., Anderson, T.,.....Coyle, J. T. (2018). Astrocytes in primary cultures express serine racemase, synthesize d-serine and acquire A1 reactive astrocyte features. *Biochemical Pharmacology*. doi: <https://doi.org/10.1016/j.bcp.2017.12.023>.
<http://www.sciencedirect.com/science/article/pii/S0006295217307359>

Li, S., Yip, A., Bird, J., Soo Seok, B., Chan, A., Godden, K. E.,.....Pompeiano, M. (2018). Melanin-concentrating hormone (MCH) neurons in the developing chick brain. *Brain Research*. doi: <https://doi.org/10.1016/j.brainres.2018.07.001>. <http://www.sciencedirect.com/science/article/pii/S000689931830369X>

Li, S., Zheng, J., & Carmichael, S. T. (2005). Increased oxidative protein and DNA damage but decreased stress response in the aged brain following experimental stroke. *Neurobiology of Disease*, 18(3), 432-440. doi.

Li, T., Li, Y. M., Ahn, K., Price, D. L., Sisodia, S. S., & Wong, P. C. (2011). Increased Expression of PS1 Is Sufficient to Elevate the Level and Activity of γ -Secretase In Vivo. *PLoS ONE*, 6(11), e28179-e28179. doi.

Li, T., Wen, H., Brayton, C., Laird, F. M., Ma, G., Peng, S., . . . Wong, P. C. (2007). Moderate Reduction of γ -Secretase Attenuates Amyloid Burden and Limits Mechanism-Based Liabilities. *Journal of Neuroscience*, 27(40), 10849-10859. doi: 10.1523/jneurosci.2152-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/40/10849>

Li, W., Prakash, R., Kelly-Cobbs, A. I., Ogbi, S., Kozak, A., El-Remessy, A. B., . . . Ergul, A. (2010). Adaptive Cerebral Neovascularization in a Model of Type 2 Diabetes. *Diabetes*, 59(1), 228-228. doi.

Li, W.-Y., Chang, Y.-C., Lee, L.-H., & Lee, L.-J. (2014). Prenatal Infection Affects the Neuronal Architecture and Cognitive Function in Adult Mice. *Developmental Neuroscience*. doi. <http://www.karger.com/Article/Citation/362383>

Li, W.-Y., Wang, Y., Zhai, F.-G., Sun, P., Cheng, Y.-X., Deng, L.-X., & Wang, Z.-Y. (2017). AAV-KLF7 Promotes Descending Propriospinal Neuron Axonal Plasticity after Spinal Cord Injury. *Neural Plasticity*, 2017. doi. <https://www.hindawi.com/journals/np/2017/1621629/cta/>

Li, X., Lee, J., Parsons, D., Janaurajs, K., & Standaert, D. G. (2012). Evaluation of TorsinA as a Target for Parkinson Disease Therapy in Mouse Models. *Plos one*, 7(11), e50063. doi: 10.1371/journal.pone.0050063. <http://dx.doi.org/10.1371%2Fjournal.pone.0050063>

Li, X., Patel, J. C., Wang, J., Avshalumov, M. V., Nicholson, C., Buxbaum, J. D., . . . Yue, Z. (2012). Enhanced Striatal Dopamine Transmission and Motor Performance with LRRK2 Overexpression in Mice Is Eliminated by Familial Parkinson's Disease Mutation G2019S. *Journal of Neuroscience*, 30(5), 1788-1797. doi: 10.1523/jneurosci.5604-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/5/1788>

Li, X.-J., Du, Z.-W., Zarnowska, E. D., Pankratz, M., Hansen, L. O., Pearce, R. A., & Zhang, S.-C. (2005). Specification of motoneurons from human embryonic stem cells. *Nature Biotechnology*, 23(2), 215-221. doi.

Li, Y., Korgaonkar, A. A., Swietek, B., Wang, J., Elgammal, F. S., Elkabes, S., & Santhakumar, V. (2015). Toll-like receptor 4 enhancement of non-NMDA synaptic currents increases dentate excitability after brain injury. *Neurobiology of Disease*, 74(0), 240-253. doi: <http://dx.doi.org/10.1016/j.nbd.2014.11.021>. <http://www.sciencedirect.com/science/article/pii/S0969996114003672>

Li, Y., Lau, W. M., So, K. F., Tong, Y., & Shen, J. (2011). Caveolin-1 inhibits oligodendroglial differentiation of neural stem/progenitor cells through modulating β -catenin expression. *Neurochemistry International*. doi.

Li, Y., Lau, W. M., So, K. F., Tong, Y., & Shen, J. (2011). Caveolin-1 promote astroglial differentiation of neural stem/progenitor cells through modulating Notch1/NICD and Hes1 expressions. *Biochemical and Biophysical Research Communications*. doi.

Li, Y., Luo, J., Lau, W. M., Zheng, G., Fu, S., Wang, T. T., . . . others. (2011). Caveolin-1 Plays a Crucial Role in Inhibiting Neuronal Differentiation of Neural Stem/Progenitor Cells via VEGF Signaling-Dependent Pathway. *PLoS ONE*, 6(8), e22901-e22901. doi.

Li, Y., Ritzel, R. M., He, J., Cao, T., Sabirzhanov, B., Li, H., . . . Wu, J. (2020). The voltage-gated proton channel Hv1 plays a detrimental role in contusion spinal cord injury via extracellular acidosis-mediated neuroinflammation. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2020.10.005>.
<http://www.sciencedirect.com/science/article/pii/S0889159120318924>

Li, Y., Ritzel, R. M., Khan, N., Cao, T., He, J., Lei, Z., . . . Wu, J. (2020). Delayed microglial depletion after spinal cord injury reduces chronic inflammation and neurodegeneration in the brain and improves neurological recovery in male mice. *Theranostics*, 10(25), 11376- 11403. doi: 10.7150/thno.49199.
<https://pubmed.ncbi.nlm.nih.gov/33052221>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7545988/>

Li, Y., Sacchi, S., Pollegioni, L., Basu, A. C., Coyle, J. T., & Bolshakov, V. Y. (2013). Identity of endogenous NMDAR glycine site agonist in amygdala is determined by synaptic activity level. *Nature Communications*, 4, 1760. doi.

Li, Y., Stam, F. J., Aimone, J. B., Goulding, M., Callaway, E. M., & Gage, F. H. (2013). Molecular layer perforant path-associated cells contribute to feed-forward inhibition in the adult dentate gyrus. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1306912110.
<http://www.pnas.org/content/early/2013/05/09/1306912110.abstract>

Li, Y., Stockton, M. E., Bhuiyan, I., Eisinger, B. E., Gao, Y., Miller, J. L., . . . Zhao, X. (2016). MDM2 inhibition rescues neurogenic and cognitive deficits in a mouse model of fragile X syndrome. [10.1126/scitranslmed.aad9370]. *Science translational medicine*, 8(336), 336ra361- 336ra361. doi. <http://stm.sciencemag.org/content/8/336/336ra61.abstract>

Li, Y., Stockton, M. E., Eisinger, B. E., Zhao, Y., Miller, J. L., Bhuiyan, I., . . . Zhao, X. (2018). Reducing histone acetylation rescues cognitive deficits in a mouse model of Fragile X syndrome. *Nature Communications*, 9(1), 2494. doi: 10.1038/s41467-018-04869-3. <https://doi.org/10.1038/s41467-018-04869-3>

Li, Y. Q., Aubert, I., & Wong, C. S. (2010). Abrogation of Early Apoptosis Does Not Alter Late Inhibition of Hippocampal Neurogenesis After Irradiation. *International Journal of Radiation Oncology* Biology* Physics*, 77(4), 1213-1222. doi.

Li, Y. Q., Cheng, Z.-C., Liu, S.-W., Aubert, I., & Wong, C. S. (2016). P53 regulates disruption of neuronal development in the adult hippocampus after irradiation. [Article]. *Cell Death Discovery*, 2, 16072. doi: 10.1038/cddiscovery.2016.72

<http://www.nature.com/articles/cddiscovery201672#supplementary-information>. <http://dx.doi.org/10.1038/cddiscovery.2016.72>

Li, Y.-Q., Cheng, Z., & Wong, S. (2016). Differential Apoptosis Radiosensitivity of Neural Progenitors in Adult Mouse Hippocampus. *International Journal of Molecular Sciences*, 17(6), 970. doi: <http://www.mdpi.com/1422-0067/17/6/970/htm>

Li, Y.-Q., Koritzinsky, M., & Wong, C. S. (2019). Metabolic Regulation of Hippocampal Neuroprogenitor Apoptosis After Irradiation. *Journal of Neuropathology and Experimental Neurology*. doi: 10.1093/jnen/nlz108. <https://doi.org/10.1093/jnen/nlz108>

Li, Y.-Q., & Wong, C. S. (2021). Metabolic Regulation of Hippocampal Neuronal Development and Its Inhibition After Irradiation. *Journal of Neuropathology and Experimental Neurology*, (nlab014). doi: 10.1093/jnen/nlab014. <https://doi.org/10.1093/jnen/nlab014>

Li, Z., Guo, Y., Bao, X., Lei, J., Shen, Z., Wang, X., . . . Wang, R. (2020). Effects of Subthalamic Deep Brain Stimulation With Different Frequencies in a Parkinsonian Rat Model.

Neuromodulation: Technology at the Neural Interface, n/a(n/a). doi:

10.1111/ner.13239. <https://onlinelibrary.wiley.com/doi/abs/10.1111/ner.13239>

Li, Z., Junwei, H., Yan, Z., Ruijun, S., Yajin, L., & Xiaoli, G. (2017). Fucoidan Protects Dopaminergic Neurons by Enhancing the Mitochondrial Function in a Rotenone-induced Rat Model of Parkinson's Disease. *Aging and Disease*, 0. doi: <http://www.aginganddisease.org/EN/abstract/abstract147670.shtml>

Liang, C. L., Nelson, O., Yazdani, U., Pasbakhsh, P., & German, D. C. (2004). Inverse relationship between the contents of neuromelanin pigment and the vesicular monoamine transporter-2: Human midbrain dopamine neurons. *Journal of Comparative Neurology*, 473(1), 97-106. doi.

Liang, C. L., Wang, T. T., Luby-Phelps, K., & German, D. C. (2007). Mitochondria mass is low in mouse substantia nigra dopamine neurons: implications for Parkinson's disease.

Experimental Neurology, 203(2), 370-380. doi.

Liang, H., Paxinos, G., & Watson, C. (2011). Projections from the brain to the spinal cord in the mouse. *Brain Structure and Function*, 215(3), 159-186. doi.

Liang, H., Paxinos, G., & Watson, C. (2011). The red nucleus and the rubrospinal projection in the mouse. *Brain Structure and Function*, 1-12. doi.

Liang, H., Paxinos, G., & Watson, C. (2011). Spinal projections from the presumptive midbrain locomotor region in the mouse. *Brain Structure and Function*, 1-9. doi.

Liang, J.-q., Wang, L., He, J.-c., & Hua, X.-d. (2016). Verbascoside promotes the regeneration of tyrosine hydroxylase-immunoreactive neurons in the substantia nigra. *Neural Regeneration Research*, 11(1), 101. doi: <http://www.nrronline.org/contributors.asp>

Liang, L. P., Beaudoin, M. E., Fritz, M. J., Fulton, R., & Patel, M. (2007). Kainate-induced seizures, oxidative stress and neuronal loss in aging rats. *Neuroscience*, 147(4), 1114-1118. doi.

Liang, L.-P., Huang, J., Fulton, R., Day, B. J., & Patel, M. (2007). An Orally Active Catalytic Metalloporphyrin Protects against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Neurotoxicity In Vivo. *Journal of Neuroscience*, 27(16), 4326-4333. doi: 10.1523/jneurosci.0019-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/16/4326>

Liang, L.-P., Huang, J., Fulton, R., Pearson-Smith, J. N., Day, B. J., & Patel, M. (2017). Pre-clinical therapeutic development of a series of metalloporphyrins for Parkinson's disease. *Toxicology and Applied Pharmacology*. doi: <http://doi.org/10.1016/j.taap.2017.04.004>. <http://www.sciencedirect.com/science/article/pii/S0041008X17301539>

Liang, R., Yong, S., Huang, X., Kong, H., Hu, G., & Fan, Y. (2016). Aquaporin-4 Mediates the Suppressive Effect of Lipopolysaccharide on Hippocampal Neurogenesis. *Neuroimmunomodulation*, 23(5-6), 309-317. doi. <http://www.karger.com/DOI/10.1159/000467141>

Liang, S.-H., Yin, J.-B., Sun, Y., bai, Y., Zhou, K.-X., Zhao, W.-J., . . . Li, Y.-Q. (2016). Collateral Projections from the Lateral Parabrachial Nucleus to the Paraventricular Thalamic Nucleus and the Central Amygdaloid Nucleus in the Rat. *Neuroscience Letters*. doi: <http://dx.doi.org/10.1016/j.neulet.2016.07.017>. <http://www.sciencedirect.com/science/article/pii/S0304394016305110>

Liauw, J., Hoang, S., Choi, M., Eroglu, C., Choi, M., Sun, G.-h., . . . Steinberg, G. K. (2008). Thrombospondins 1 and 2 are necessary for synaptic plasticity and functional recovery after stroke. *Journal of Cerebral Blood Flow and Metabolism*. doi. <http://dx.doi.org/10.1038/jcbfm.2008.65>

Licko, T., Seeger, N., Zellinger, C., Russmann, V., Matagne, A., & Potschka, H. (2013). Lacosamide treatment following status epilepticus attenuates neuronal cell loss and alterations in hippocampal neurogenesis in a rat electrical status epilepticus model. *Epilepsia*, n/a-n/a. doi: 10.1111/epi.12196. <http://dx.doi.org/10.1111/epi.12196>

Lidster, K., Jackson, S. J., Ahmed, Z., Munro, P., Coffey, P., Giovannoni, G., . . . Baker, D. (2013). Neuroprotection in a Novel Mouse Model of Multiple Sclerosis. *Plos one*, 8(11), e79188. doi: 10.1371/journal.pone.0079188. <http://dx.doi.org/10.1371/journal.pone.0079188>

Lie, D. C., Dziewczapolski, G., Willhoite, A. R., Kaspar, B. K., Shults, C. W., & Gage, F. H. (2002). The Adult Substantia Nigra Contains Progenitor Cells with Neurogenic Potential. *Journal of Neuroscience*, 22(15), 6639-6649. doi. <http://www.jneurosci.org/cgi/content/abstract/22/15/6639>

Lie, D.-C., Colamarino, S. A., Song, H.-J., Désiré', L., Mira, H., Consiglio, A., . . . Gage, F. H. (2005). WNT signalling regulates adult hippocampal neurogenesis. *Nature*, 437, 1370-1375. doi.

Lieberwirth, C., Liu, Y., Jia, X., & Wang, Z. (2012). Social isolation impairs adult neurogenesis in the limbic system and alters behaviors in female prairie voles. *Hormones and Behavior*, (0). doi: 10.1016/j.yhbeh.2012.03.005. <http://www.sciencedirect.com/science/article/pii/S0018506X12000827>

Lieberwirth, C., Wang, Y., Jia, X., Liu, Y., & Wang, Z. (2013). Fatherhood reduces the survival of adult-generated cells and affects various types of behavior in the prairie vole (*Microtus ochrogaster*). *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12323. <http://dx.doi.org/10.1111/ejn.12323>

Liebetanz, D., Fauser, S., Michaelis, T., Czéh, B., Watanabe, T., Paulus, W., . . . Fuchs, E. (2003). Safety aspects of chronic low-frequency transcranial magnetic stimulation based on localized proton magnetic resonance spectroscopy and histology of the rat brain. *Journal of Psychiatric Research*, 37(4), 277-286. doi.

Lieu, C. A., Deogaonkar, M., Bakay, R. A. E., & Subramanian, T. (2011). Dyskinesias do not develop after chronic intermittent levodopa therapy in clinically hemiparkinsonian rhesus monkeys. *Parkinsonism and Related Disorders*, 17(1), 34-39. doi.

Liimatainen, T., Hakumäki, J. M., Kauppinen, R. A., & Ala-Korpela, M. (2009). Monitoring of gliomas in vivo by diffusion MRI and ¹H MRS during gene therapy-induced apoptosis: interrelationships between water diffusion and mobile lipids. *NMR in Biomedicine*, 22(3), 272-279. doi.

Liimatainen, T., Sierra, A., Hanson, T., Sorce, D. J., Ylä-Herttuala, S., Garwood, M., . . . Gröhn, O. (2011). Glioma cell density in a rat gene therapy model gauged by water relaxation rate along a fictitious magnetic field. *Magnetic Resonance in Medicine*. doi.

Likhtik, E., Popa, D., Apergis-Schoute, J., Fidacaro, G. A., & Paré, D. (2008). Amygdala intercalated neurons are required for expression of fear extinction. *Nature*, 454(7204), 642-645. doi.

Lim, A. S. P., Ellison, B. A., Wang, J. L., Yu, L., Schneider, J. A., Buchman, A. S., . . . Saper, C. B. (2014). Sleep is related to neuron numbers in the ventrolateral preoptic/intermediate nucleus in older adults with and without Alzheimer's disease. *Brain*. doi: 10.1093/brain/awu222. http://brain.oxfordjournals.org/content/early/2014/08/11/brain.a_wu222.ab...

Lim, C. S., Hwang, Y. K., Kim, D., Cho, S. H., Bañuelos, C., Bizon, J. L., & Han, J. S. (2011). Increased interactions between PKA and NF-[kappa]B signaling in the hippocampus following loss of cholinergic input. *Neuroscience*. doi.

Lim, D. C., Brady, D. C., Soans, R., Kim, E. Y., Valverde, L., Keenan, B. T., . . . Pack, A. I. (2016). Different Cyclical Intermittent Hypoxia Severities have Different Effects on Hippocampal Microvasculature. [10.1152/jappphysiol.01040.2015]. *Journal of Applied Physiology*. doi. <http://jap.physiology.org/content/early/2016/04/26/jappphysiol.01040.20...>

Lim, J., Ali, S., Liao, L. S., Nguyen, E. S., Ortiz, L., Reshel, S., & Luderer, U. (2020). Antioxidant supplementation partially rescues accelerated ovarian follicle loss, but not oocyte quality, of glutathione deficient mice†. *Biology of Reproduction*. doi: 10.1093/biolre/ioaa009. <https://doi.org/10.1093/biolre/ioaa009>

Lim, M. J., Alexander, N. A., Benedict, J. W., Chattopadhyay, S., Shemilt, S. J. A., Guérin, C. J., . . . Pearce, D. A. (2007). IgG entry and deposition are components of the neuroimmune response in Batten Disease. *Neurobiology Discovery*, 25, 238-251. doi.

Lim, S. N., Huang, W., Hall, J. C. E., Ward, R. E., Priestley, J. V., & Michael-Titus, A. T. (2010). The acute administration of eicosapentaenoic acid is neuroprotective after spinal cord compression injury in rats. *Prostaglandins, Leukotrienes and Essential Fatty Acids*, 83(4), 193-201. doi.

Lima, R., Guimaraes-Silva, J., Oliveira, J., Costa, A., Souza-Rodrigues, R., Dos Santos, C., . . . Gomes-Leal, W. (2008). Diffuse Axonal Damage, Myelin Impairment, Astrocytosis and Inflammatory Response Following Microinjections of NMDA into The Rat Striatum. *Inflammation*, 31(1), 24-35. doi: <http://dx.doi.org/10.1007/s10753-007-9046-y>

Lin, E.-J. D., Sun, M., Choi, E., Magee, D., Stets, C., & During, M. J. (2014). Social overcrowding as a chronic stress model that increases adiposity in mice. *Psychoneuroendocrinology*. doi: 10.1016/j.psyneuen.2014.10.007. [http://www.psyneuen-journal.com/article/S0306-4530\(14\)00389-8/abstract](http://www.psyneuen-journal.com/article/S0306-4530(14)00389-8/abstract)

Lin, X., Parisiadou, L., Gu, X. L., Wang, L., Shim, H., Sun, L., . . . others. (2009). Leucine-Rich Repeat Kinase 2 Regulates the Progression of Neuropathology Induced by Parkinson's- Disease-Related Mutant α -synuclein. *Neuron*, 64(6), 807-827. doi.

Lin, X., Parisiadou, L., Sgobio, C., Liu, G., Yu, J., Sun, L., . . . Cai, H. (2012). Conditional Expression of Parkinson's Disease-Related Mutant α -Synuclein in the Midbrain Dopaminergic Neurons Causes Progressive Neurodegeneration and Degradation of Transcription Factor Nuclear Receptor Related 1. *Journal of Neuroscience*, 32(27), 9248-9264. doi: 10.1523/jneurosci.1731-12.2012. <http://www.jneurosci.org/content/32/27/9248.abstract>

Lin, X., Zha, Y., Zeng, X. Z., Dong, R., Wang, Q. H., & Wang, D. T. (2017). Role of the Wnt/ β -catenin signaling pathway in inducing apoptosis and renal fibrosis in 5/6-nephrectomized rats. *Molecular Medicine Reports*. doi: <https://www.spandidos-publications.com/10.3892/mmr.2017.6461>

Lind, L. A., Murphy, E. R., Lever, T. E., & Nichols, N. L. (2018). Hypoglossal Motor Neuron Death Via Intralingual CTB-saporin (CTB-SAP) Injections Mimic Aspects of Amyotrophic Lateral Sclerosis (ALS) Related to Dysphagia. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.08.026>. <http://www.sciencedirect.com/science/article/pii/S0306452218305712>

Lindberg, O. R., Brederlau, A., Jansson, A., Nannmark, U., Cooper-Kuhn, C., & Kuhn, H. G. (2011). Characterization of Epidermal Growth Factor-Induced Dysplasia in the Adult Rat Subventricular Zone. *Stem Cells and Development*. doi.

Lindholm, P., Voutilainen, M. H., Laurén, J., Peränen, J., Leppänen, V.-M., Andressoo, J.-O., . . . Timmusk, T. (2007). Novel neurotrophic factor CDNF protects and rescues midbrain dopamine neurons in vivo. *Nature*, 448, 73-77. doi.

Lindquist, R. A., Guinto, C. D., Rodas-Rodriguez, J. L., Fuentealba, L. C., Tate, M. C., Rowitch, D. H., & Alvarez-Buylla, A. (2016). Identification of proliferative progenitors associated with prominent postnatal growth of the pons. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms11628. <http://dx.doi.org/10.1038/ncomms11628>

Ling, C., Raasch, J. L., & Welham, N. V. (2011). E-Cadherin and Transglutaminase-1 Epithelial Barrier Restoration Precedes Type IV Collagen Basement Membrane Reconstruction following Vocal Fold Mucosal Injury. *Cells Tissues Organs*, 193(3), 158-169. doi.

Ling, C., Yamashita, M., Waselchuk, E. A., Raasch, J. L., Bless, D. M., & Welham, N. V. (2010). Alteration in cellular morphology, density and distribution in rat vocal fold mucosa following injury. *Wound Repair and Regeneration*, 18(1), 89-97. doi.

Ling, C., Yamashita, M., Zhang, J., Bless, D. M., & Welham, N. V. (2010). Reactive response of fibrocytes to vocal fold mucosal injury in rat. *Wound Repair and Regeneration*, 18(5), 514-523. doi: 10.1111/j.1524-475X.2010.00618.x. <http://dx.doi.org/10.1111/j.1524-475X.2010.00618.x>

Ling, Z., Zhu, Y., Snyder, J. A., Lipton, J. W., Carvey, P. M., & others. (2006). Progressive dopamine neuron loss following supra-nigral lipopolysaccharide (LPS) infusion into rats exposed to LPS prenatally. *Experimental Neurology*, 199(2), 499-512. doi.

Lipponen, A., Woldemichael, B. T., Gurevicius, K., & Tanila, H. (2012). Artificial Theta Stimulation Impairs Encoding of Contextual Fear Memory. *Plos one*, 7(11), e48506. doi: 10.1371/journal.pone.0048506. <http://dx.doi.org/10.1371%2Fjournal.pone.0048506>

Lipsanen, A., Kalesnykas, G., Pro-Sistiaga, P., Hiltunen, M., Vanninen, R., Bernaudin, M., . . . Jolkkonen, J. (2013). Lack of secondary pathology in the thalamus after focal cerebral ischemia in nonhuman primates. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.06.016>. <http://www.sciencedirect.com/science/article/pii/S0014488613001891>

Lipton, J. W., Tolod, E. G., Thompson, V. B., Pei, L., Paumier, K. L., Terpstra, B. T., . . . Sortwell, C. E. (2008). 3, 4-Methylenedioxy-N-methamphetamine (ecstasy) promotes the survival of fetal dopamine neurons in culture. *Neuropharmacology*, 55(5), 851-859. doi.

Lira, A., Kulczycki, J., Slack, R., Anisman, H., & Park, D. S. (2011). Involvement of the Fcγ Receptor in a Chronic N-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine Mouse Model of Dopaminergic Loss. *Journal of Biological Chemistry*, 286(33), 28783-28793. doi: 10.1074/jbc.M111.244830. <http://www.jbc.org/content/286/33/28783.abstract>

Lira, A., Zhou, M., Castanon, N., Ansorge, M. S., Gordon, J. A., Francis, J. H., . . . others. (2003). Altered depression-related behaviors and functional changes in the dorsal raphe nucleus of serotonin transporter-deficient mice. *Biological Psychiatry*, 54(10), 960-971. doi.

Lison, H., Happel, M. F. K., Schneider, F., Baldauf, K., Kerbstat, S., Seelbinder, B., . . . Röncke, R. (2013). Disrupted cross-laminar cortical processing in β amyloid pathology precedes cell death. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.11.014>.

<http://www.sciencedirect.com/science/article/pii/S0969996113003276>

Liss, B., Haeckel, O., Wildmann, J., Miki, T., Seino, S., & Roeper, J. (2005). K-ATP channels promote the differential degeneration of dopaminergic midbrain neurons. *Nature of Neuroscience*, 8(12), 1742-1751. doi.

Lister, J. P., Tonkiss, J., Blatt, G.J., Kemper, T.L., DeBassio, W.A., Galler, J.R., Rosene, D.L. (2006). Asymmetry of neuron numbers in the hippocampal formation of prenatally malnourished and normally nourished rats: A stereological investigation. *Hippocampus*, 16(11), 946-958. doi.

Little, C. M., Coons, K. D., & Sengelaub, D. R. (2009). Neuroprotective effects of testosterone on the morphology and function of somatic motoneurons following the death of neighboring motoneurons. *Journal of Comparative Neurology*, 512(3), 359-372. doi.

Little, K. Y., Ramssen, E., Welchko, R., Volberg, V., Roland, C. J., & Cassin, B. (2009). Decreased brain dopamine cell numbers in human cocaine users. *Psychiatry Research*, 168(3), 173-180. doi.

Littler, C. M., Wehling, C. A., Wick, M. J., Fagan, K. A., Cool, C. D., Messing, R. O., & Dempsey, E. C. (2005). Divergent contractile and structural responses of the murine PKC- Σ null pulmonary circulation to chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 289(6), L1083-L1093-L1083-L1093. doi.

Littrell, O. M., Granholm, A.-C., Gerhardt, G. A., & Boger, H. A. (2013). Glial cell-line derived neurotrophic factor (GDNF) replacement attenuates motor impairments and nigrostriatal dopamine deficits in 12-month-old mice with a partial deletion of GDNF. *Pharmacology Biochemistry and Behavior*, (0).

doi: <http://dx.doi.org/10.1016/j.pbb.2012.12.022>.

<http://www.sciencedirect.com/science/article/pii/S0091305712003565>

Litvinchuk, A., Wan, Y.-W., Swartzlander, D. B., Chen, F., Cole, A., Propson, N. E., . . . Zheng, H. (2018). Complement C3aR Inactivation Attenuates Tau Pathology and Reverses an Immune Network Deregulated in Tauopathy Models and Alzheimer's Disease. *Neuron*.

doi: <https://doi.org/10.1016/j.neuron.2018.10.031>.

<http://www.sciencedirect.com/science/article/pii/S0896627318309395>

Liu, B., Zupan, B., Laird, E., Klein, S., Gleason, G., Bozinoski, M., . . . Toth, M. (2013). Maternal hematopoietic TNF, via milk chemokines, programs hippocampal development and memory. *Nature Neuroscience*.

doi: <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3596.html>

Liu, C., Teng, Z.-Q., McQuate, A. L., Jobe, E. M., Christ, C. C., von Hoyningen-Huene, S. J., . . . Zhao, X. (2013). An Epigenetic Feedback Regulatory Loop Involving MicroRNA-195 and

MBD1 Governs Neural Stem Cell Differentiation. Plos one, 8(1), e51436. doi: 10.1371/journal.pone.0051436. <http://dx.doi.org/10.1371%2Fjournal.pone.0051436>

Liu, D., Sharp, F. R., Van, K. C., Ander, B. P., Ghiasvand, R., Zhan, X., . . . Lyeth, B. G. (2014). Inhibition of Src Family Kinases Protects Hippocampal Neurons and Improves Cognitive Function after Traumatic Brain Injury. Journal of Neurotrauma, (ja). doi: <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3250>

Liu, D. S. H., O'Brien, T. J., Williams, D. A., Hicks, R. J., & Myers, D. E. (2009). Lamina-specific changes in hippocampal GABA_A/cBZR and mossy fibre sprouting during and following amygdala kindling in the rat. Neurobiology of Disease, 35(3), 337-347. doi:

Liu, F., Grundke-Iqbal, I., Iqbal, K., & Gong, C. X. (2005). Contributions of protein phosphatases PP1, PP2A, PP2B and PP5 to the regulation of tau phosphorylation. European Journal of Neuroscience, 22. doi: 10.1111/j.1460-9568.2005.04391.x. <http://dx.doi.org/10.1111/j.1460-9568.2005.04391.x>

Liu, G., Yu, J., Ding, J., Xie, C., Sun, L., Rudenko, I., . . . Cai, H. (2014). Aldehyde dehydrogenase 1 defines and protects a nigrostriatal dopaminergic neuron subpopulation. The Journal of Clinical Investigation, 124(7), 0-0. doi: 10.1172/jci72176. <http://www.jci.org/articles/view/72176>

Liu, H., Jia, L., Chen, X., Shi, L., & Xie, J. (2017). The Kv7/KCNQ channel blocker XE991 protects nigral dopaminergic neurons in the 6-hydroxydopamine rat model of Parkinson's disease. Brain Research Bulletin. doi: <https://doi.org/10.1016/j.brainresbull.2017.11.011>. <http://www.sciencedirect.com/science/article/pii/S0361923017304665>

Liu, H., Rose, M. E., Culver, S., Ma, X., Dixon, C. E., & Graham, S. H. (2016). Rosiglitazone attenuates inflammation and CA3 neuronal loss following traumatic brain injury in rats. Biochemical and Biophysical Research Communications. doi: <http://dx.doi.org/10.1016/j.bbrc.2016.03.003>. <http://www.sciencedirect.com/science/article/pii/S0006291X16303163>

Liu, H., Rose, M. E., Ma, X., Culver, S., Dixon, C. E., & Graham, S. H. (2017). In vivo transduction of neurons with TAT-UCH-L1 protects brain against controlled cortical impact injury. Plos one, 12(5), e0178049. doi: 10.1371/journal.pone.0178049. <https://doi.org/10.1371/journal.pone.0178049>

Liu, J., Heinsen, H., Grinberg, L. T., Alho, E., Amaro, E., Pasqualucci, C. A., . . . Danek, A. (2018). Subcortical neurodegeneration in chorea: More differences than similarities between chorea-acanthocytosis and Huntington's disease. Parkinsonism & Related Disorders. doi: <https://doi.org/10.1016/j.parkreldis.2018.01.009>. <http://www.sciencedirect.com/science/article/pii/S1353802018300099>

Liu, J., Jin, X., Liu, K. J., & Liu, W. (2012). Matrix Metalloproteinase-2-Mediated Occludin Degradation and Caveolin-1-Mediated Claudin-5 Redistribution Contribute to Blood-Brain Barrier Damage in Early Ischemic Stroke Stage. Journal of Neuroscience, 32(9), 3044-3057. doi: 10.1523/jneurosci.6409-11.2012. <http://www.jneurosci.org/content/32/9/3044.abstract>

Liu, J., Tang, T.-S., Tu, H., Nelson, O., Herndon, E., Huynh, D. P., . . . Bezprozvanny, I. (2009). Deranged Calcium Signaling and Neurodegeneration in Spinocerebellar Ataxia Type 2. *Journal of Neuroscience*, 29(29), 9148-9162. doi: 10.1523/jneurosci.0660-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/29/9148>

Liu, J., Zhou, G., Kolls, B. J., Tan, Y., Fang, C., Wang, H., & Laskowitz, D. T. (2018). Apolipoprotein E mimetic peptide CN-105 improves outcome in a murine model of SAH. [10.1136/svn-2018-000152]. *Stroke and Vascular Neurology*. doi: <http://svn.bmj.com/content/early/2018/09/04/svn-2018-000152.abstract>

Liu, J. J., Shin, J. H., Hyrc, K. L., Liu, S., Lei, D., Holley, M. C., & Bao, J. (2006). Stem cell therapy for hearing loss: Math1 overexpression in VOT-E36 cells. *Otology and Neurotology*, 27(3), 414-414. doi.

Liu, J.-J., Mohila, C. A., Gong, Y., Govindarajan, N., & Onn, S.-P. (2005). Chronic nicotine exposure during adolescence differentially influences calcium-binding proteins in rat anterior cingulate cortex. *European Journal of Neuroscience*, 22(10), 2462-2474. doi: doi:10.1111/j.1460-9568.2005.04423.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04423.x>

Liu, J. R., & Mado, M. (2018). Quantification of the Extracellular Matrix Molecule Thrombospondin 1 and Its Peri-cellular Association in the Brain Using a Semi-automated Computerized Approach. *Journal of Histochemistry and Cytochemistry*, 0(0), 0022155418771677. doi: 10.1369/0022155418771677. <http://journals.sagepub.com/doi/abs/10.1369/0022155418771677>

Liu, L., Lu, Y., Kong, H., Li, L., Marshall, C., Xiao, M., . . . Hu, G. (2011). Aquaporin-4 deficiency exacerbates brain oxidative damage and memory deficits induced by long-term ovarian hormone deprivation and D-galactose injection. *International Journal of Neuropsychopharmacology*, 1(1), 1-14. doi.

Liu, M., Jevtic, S., Markham-Coultres, K., Ellens, N. P. K., O'Reilly, M. A., Hynynen, K., . . . McLaurin, J. (2017). Investigating the efficacy of a combination A β -targeted treatment in a mouse model of Alzheimer's disease. *Brain Research*. doi: <https://doi.org/10.1016/j.brainres.2017.10.015>. <http://www.sciencedirect.com/science/article/pii/S0006899317304730>

Liu, M.-L., Zang, T., & Zhang, C.-L. (2016). Direct Lineage Reprogramming Reveals Disease-Specific Phenotypes of Motor Neurons from Human ALS Patients. *Cell Reports*. doi: <http://dx.doi.org/10.1016/j.celrep.2015.12.018>. <http://www.sciencedirect.com/science/article/pii/S221112471501431X>

Liu, M.-L., Zang, T., Zou, Y., Chang, J. C., Gibson, J. R., Huber, K. M., & Zhang, C.-L. (2013). Small molecules enable neurogenin 2 to efficiently convert human fibroblasts into cholinergic neurons. *Nature Communications*, 4. doi: <http://www.nature.com/ncomms/2013/130722/ncomms3183/full/ncomms3183.html>

Liu, N.-K., Byers, J. S., Lam, T., Lu, Q.-B., Sengelaub, D. R., & Xu, X.-M. (2014). Inhibition of cPLA2 has neuroprotective effects on motoneuron and muscle atrophy following spinal cord injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3690. <http://dx.doi.org/10.1089/neu.2014.3690>

Liu, Q., Trotter, J., Zhang, J., Peters, M. M., Cheng, H., Bao, J., . . . Bu, G. (2010). Neuronal LRP1 Knockout in Adult Mice Leads to Impaired Brain Lipid Metabolism and Progressive, Age-Dependent Synapse Loss and Neurodegeneration. *Journal of Neuroscience*, 30(50), 17068- 17078. doi: 10.1523/jneurosci.4067-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/50/17068>

Liu, W., D'Ercole, A., & Ye, P. (2011). Blunting type 1 insulin-like growth factor receptor expression exacerbates neuronal apoptosis following hypoxic/ischemic injury. *BMC Neuroscience*, 12(1), 64-64. doi.

Liu, W., & Liu, J. (2012). Assessment of Neurogenesis in the Dentate Gyrus After Global or Focal Ischemia. *Springer Protocols Handbooks*. doi.

Liu, W., Purevdorj, E., Zscheppang, K., von Mayersbach, D., Behrens, J., Brinkhaus, M. J., . . . Dammann, C. E. L. (2010). ErbB4 regulates the timely progression of late fetal lung development. *Biochimica et Biophysica Acta (BBA)-Molecular Cell Research*, 1803(7), 832- 839. doi.

Liu, W., Ye, P., O'Kusky, J. R., & D'Ercole, A. J. (2009). Type 1 insulin-like growth factor receptor signaling is essential for the development of the hippocampal formation and dentate gyrus. *Journal of Neuroscience Research*, 87(13), 2821-2832. doi.

Liu, W. S., Pesold, C., Rodriguez, M. A., Carboni, G., Auta, J., Lacor, P., . . . Costa, E. (2001). Down-regulation of dendritic spine and glutamic acid decarboxylase 67 expressions in the reelin haploinsufficient heterozygous reeler mouse. *Proceedings of the National Academy of Sciences*, 98(6), 3477-3482. doi: 10.1073/Proceedings of the National Academy of Sciences.051614698. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/98/6/3477>

Liu, X., Hao, W., Qin, Y., Decker, Y., Wang, X., Burkart, M., . . . Liu, Y. (2015). Long-term treatment with Ginkgo biloba extract EGb 761 improves symptoms and pathology in a transgenic mouse model of Alzheimer's disease. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2015.01.011>. <http://www.sciencedirect.com/science/article/pii/S0889159115000148>

Liu, X., Zhou, J., Abid, M. D. N., Yan, H., Huang, H., Wan, L., . . . Chen, J. (2014). Berberine Attenuates Axonal Transport Impairment and Axonopathy Induced by Calyculin A in N2a Cells. *Plos one*, 9(4), e93974. doi: 10.1371/journal.pone.0093974. <http://dx.doi.org/10.1371%2Fjournal.pone.0093974>

Liu, X.-B., Haney, J. R., Cantero, G., Lambert, J. R., Otero-Garcia, M., Truong, B., . . . Lipshutz, G. S. (2019). Hepatic arginase deficiency fosters dysmyelination during postnatal CNS development. *JCI Insight*, 4(17). doi: 10.1172/jci.insight.130260. <https://doi.org/10.1172/jci.insight.130260>

Liu, Y., Grumbles, R. M., & Thomas, C. K. (2013). Electrical Stimulation of Embryonic Neurons for 1 Hour Improves Axon Regeneration and the Number of Reinnervated Muscles That Function. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.1090b1013e318299d318376. doi: http://journals.lww.com/jneuropath/Fulltext/publishahead/Electrical_Stim...

Liu, Y., Lee, M. K., James, M. M., Price, D. L., Borchelt, D. R., Troncoso, J. C., & Oh, E. S. (2011). Passive (Amyloid- β Immunotherapy Attenuates Monoaminergic Axonal Degeneration in the A β PPswE/PS1dEg Mice. *Journal of Alzheimer's Disease*, 23(2), 271-279. doi.

Liu, Y., Lieberwirth, C., Jia, X., Curtis, J. T., Meredith, M., & Wang, Z. X. (2014). Chemosensory cues affect amygdaloid neurogenesis and alter behaviors in the socially monogamous prairie vole. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12531. <http://dx.doi.org/10.1111/ejn.12531>

Liu, Y., Liu, X., Hao, W., Decker, Y., Schomburg, R., Fülöp, L., . . . Fassbender, K. (2014). IKK β Deficiency in Myeloid Cells Ameliorates Alzheimer's Disease-Related Symptoms and Pathology. *The Journal of Neuroscience*, 34(39), 12982-12999. doi: <http://www.jneurosci.org/content/34/39/12982.short>

Liu, Y., Sebastian, B., Liu, B., Zhang, Y., Fissel, J. A., Pan, B., . . . Farah, M. H. (2017). Sensory and autonomic function and structure in footpads of a diabetic mouse model. [Article]. *Scientific Reports*, 7, 41401. doi: 10.1038/srep41401

<http://www.nature.com/articles/srep41401#supplementary-information>. <http://dx.doi.org/10.1038/srep41401>

Liu, Y., Sun, J.-D., Song, L.-K., Li, J., Chu, S.-F., Yuan, Y.-H., & Chen, N.-H. (2015). Environment- contact Administration of Rotenone: A New Rodent Model of Parkinson's Disease. *Behavioural Brain Research*. doi: <http://dx.doi.org/10.1016/j.bbr.2015.07.058>. <http://www.sciencedirect.com/science/article/pii/S0166432815301297>

Liu, Y., Sun, Y., Ewaleifoh, O., Wei, J., Mi, R., Zhu, J., . . . Polydefkis, M. (2021). Ethoxyquin is neuroprotective and partially prevents somatic and autonomic neuropathy in db/db mouse model of type 2 diabetes. *Scientific Reports*, 11(1), 10749. doi: 10.1038/s41598-021-89781-5. <https://doi.org/10.1038/s41598-021-89781-5>

Liu, Y., Tang, M. K., Cai, D. Q., Li, M., Wong, W. M., Chow, P. H., & Lee, K. K. H. (2007). Cyclin I and p53 are differentially expressed during the terminal differentiation of the postnatal mouse heart. *Proteomics*, 7(1), 23-32. doi.

Liu, Y., Weick, J. P., Liu, H., Krencik, R., Zhang, X., Ma, L., . . . Zhang, S.-C. (2013). Medial ganglionic eminence-like cells derived from human embryonic stem cells correct learning and memory deficits. *Nature Biotechnology*. doi.

Liu, Y., Ye, H., Satkunendrarajah, K., Yao, G. S., Bayon, Y., & Fehlings, M. G. (2013). A self- assembling peptide reduces glial scarring, attenuates post-traumatic inflammation and promotes neurological recovery following spinal cord injury. *Acta Biomaterialia*, (0).

doi: <http://dx.doi.org/10.1016/j.actbio.2013.06.001>.
<http://www.sciencedirect.com/science/article/pii/S1742706113002857>

Liu, Y., Yoo, M.-J., Savonenko, A., Stirling, W., Price, D. L., Borchelt, D. R., . . . Lee, M. K. (2008). Amyloid Pathology Is Associated with Progressive Monoaminergic Neurodegeneration in a Transgenic Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 28(51), 13805- 13814. doi: 10.1523/jneurosci.4218-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/51/13805>

Liu, Y., Zeng, X., Hui, Y., Zhu, C., Wu, J., Taylor, D. H., . . . Hu, J. (2014). Activation of $\alpha 7$ nicotinic acetylcholine receptors protects astrocytes against oxidative stress-induced apoptosis: Implications for Parkinson's disease. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2014.11.028>.
<http://www.sciencedirect.com/science/article/pii/S0028390814004444>

Liu, Y., Zhu, M., Lin, L., Fan, X., Piao, Z., & Jiang, X. (2014). Deficiency of Trim27 protects dopaminergic neurons from apoptosis in the neurotoxin model of Parkinson's disease. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2014.09.018>.
<http://www.sciencedirect.com/science/article/pii/S000689931401227X>

Liu, Y. W. J., Curtis, M. A., Gibbons, H. M., Mee, E. W., Bergin, P. S., Teoh, H. H., . . . Faull, R. L. M. (2008). Doublecortin expression in the normal and epileptic adult human brain. *European Journal of Neuroscience*, 28(11), 2254-2265. doi.

Liu, Z., Fan, Y., Won, S. J., Neumann, M., Hu, D., Zhou, L., . . . Liu, J. (2007). Chronic Treatment With Minocycline Preserves Adult New Neurons and Reduces Functional Impairment After Focal Cerebral Ischemia. *Stroke*, 38(1), 146-152. doi.

Livingston, J. M., McDonald, M. W., Gagnon, T., Jeffers, M. S., Gomez-Smith, M., Antonescu, S., . . . Corbett, D. (2020). Influence of metabolic syndrome on cerebral perfusion and cognition. *Neurobiology of Disease*, 137, 104756. doi: <https://doi.org/10.1016/j.nbd.2020.104756>.
<http://www.sciencedirect.com/science/article/pii/S0969996120300310>

Llewellyn, R. A., Gutknecht, M. F., Thomas, K. S., Conaway, M. R., & Bouton, A. H. (2018). Focal adhesion kinase (FAK) deficiency in mononuclear phagocytes alters murine breast tumor progression. *American Journal of Cancer Research*, 8(4), 675. doi: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5934557/>

Llorens-Martín, M., Torres-Alemán, I., & Trejo, J. L. (2006). Pronounced individual variation in the response to the stimulatory action of exercise on immature hippocampal neurons. *Hippocampus*, 16(5), 480-490. doi.

Lo Jr, T. P., Cho, K. S., Garg, M. S., Lynch, M. P., Marcillo, A. E., Koivisto, D. L., . . . others. (2009). Systemic hypothermia improves histological and functional outcome after cervical spinal cord contusion in rats. *Journal of Comparative Neurology*, 514(5), 433-448. doi.

Loane, D., Stoica, B., Tchantchou, F., Kumar, A., Barrett, J., Akintola, T., . . . Faden, A. (2014). Novel mGluR5 Positive Allosteric Modulator Improves Functional Recovery, Attenuates Neurodegeneration, and Alters Microglial Polarization after Experimental Traumatic Brain Injury. *Neurotherapeutics*, 1-13. doi: 10.1007/s13311-014-0298-6. <http://dx.doi.org/10.1007/s13311-014-0298-6>

Lockrow, J., Boger, H., Bimonte-Nelson, H., & Granholm, A. C. (2011). Effects of long-term memantine on memory and neuropathology in Ts65Dn mice, a model for Down syndrome. *Behavioural Brain Research*, 221(2), 610-622. doi.

Lockrow, J., Boger, H., Gerhardt, G., Aston-Jones, G., Bachman, D., & Granholm, A. C. (2011). A noradrenergic lesion exacerbates neurodegeneration in a down syndrome mouse model. *Journal of Alzheimer's Disease*, 23(3), 471-489. doi.

Lockrow, J., Prakasam, A., Huang, P., Bimonte-Nelson, H., Sambamurti, K., & Granholm, A. C. (2009). Cholinergic degeneration and memory loss delayed by vitamin E in a Down syndrome mouse model. *Experimental Neurology*, 216(2), 278-289. doi.

Lodge, D. J., & Grace, A. A. (2012). Divergent activation of ventromedial and ventrolateral dopamine systems in animal models of amphetamine sensitization and schizophrenia. *International Journal of Neuropsychopharmacology*, 15(01), 69-76. doi: doi:10.1017/S1461145711000113. <http://dx.doi.org/10.1017/S1461145711000113>

Lodovichi, C., Di Cristo, G., Cenni, M. C., & Maffei, L. (2001). Bcl-2 overexpression per se does not promote regeneration of neonatal crushed optic fibers. *European Journal of Neuroscience*, 13(4), 833-838. doi: doi:10.1046/j.1460-9568.2001.01440.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2001.01440.x>

Loeliger, M. M., Mackintosh, A., De Matteo, R., Harding, R., & Rees, S. M. (2011). Erythropoietin protects the developing retina in an ovine model of endotoxin-induced retinal injury. *Investigative Ophthalmology and Visual Science*, 52(5), 2656-2661. doi.

Lohr, K. M., Bernstein, A. I., Stout, K. A., Dunn, A. R., Lazo, C. R., Alter, S. P., . . . Miller, G. W. (2014). Increased vesicular monoamine transporter enhances dopamine release and opposes Parkinson disease-related neurodegeneration in vivo. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1402134111. http://www.pnas.org/content/early/2014/06/11/1402134111.abst_ract

Lohr, K. M., Stout, K. A., Dunn, A. R., Wang, M., Salahpour, A., Guillot, T. S., & Miller, G. W. (2015). Increased Vesicular Monoamine Transporter 2 (VMAT2; Slc18a2) Protects against Methamphetamine Toxicity. *ACS Chemical Neuroscience*. doi: 10.1021/acschemneuro.5b00010. <http://dx.doi.org/10.1021/acschemneuro.5b00010>

Loi, M., Mossink, J. C. L., Meerhoff, G. F., Den Blaauwen, J. L., Lucassen, P. J., & Joëls, M. (2015). Effects of early life stress on cognitive function and hippocampal structure in female rodents. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.08.024>.
<http://www.sciencedirect.com/science/article/pii/S0306452215007563>

Lois, J. H., Rice, C. D., & Yates, B. J. (2008). Neural Circuits Controlling Diaphragm Function in the Cat Revealed by Transneuronal Tracing. *Journal of Applied Physiology*, 91125.92008. doi: 10.1152/jappphysiol.91125.2008.
http://jap.physiology.org/cgi/content/abstract/91125.200_8v1

Lonardo, E., Parish, C. L., Ponticelli, S., Marasco, D., Ribeiro, D., Ruvo, M., . . . Minchiotti, G. (2010). A small synthetic crypto blocking Peptide improves neural induction, dopaminergic differentiation, and functional integration of mouse embryonic stem cells in a rat model of Parkinson's disease. *Stem Cells*, 28(8), 1326-1337. doi.

Long, A., Park, J. H., Klimova, N., Fowler, C., Loane, D. J., & Kristian, T. (2016). CD38 Knockout Mice Show Significant Protection Against Ischemic Brain Damage Despite High Level Poly- ADP-Ribosylation. [journal article]. *Neurochemical Research*, 1-11. doi: 10.1007/s11064-016-2031-9. <http://dx.doi.org/10.1007/s11064-016-2031-9>

Long, C., Grueter, C. E., Song, K., Qin, S., Qi, X., Kong, Y. M., . . . Olson, E. N. (2014). Ataxia and Purkinje cell degeneration in mice lacking the CAMTA1 transcription factor. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1411251111.
<http://www.pnas.org/content/early/2014/07/16/1411251111.abstr act>

Long, Q., Upadhyay, D., Hattiangady, B., Kim, D.-K., An, S. Y., Shuai, B., . . . Shetty, A. K. (2017). Intranasal MSC-derived A1-exosomes ease inflammation, and prevent abnormal neurogenesis and memory dysfunction after status epilepticus. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1703920114.
<http://www.pnas.org/content/early/2017/04/05/1703920114.ab stract>

Longaretti, A., Forastieri, C., Toffolo, E., Caffino, L., Locarno, A., Misevičiūtė, I., . . . Rusconi, F. (2020). LSD1 is an environmental stress-sensitive negative modulator of the glutamatergic synapse. *Neurobiology of Stress*, 13, 100280. doi: <https://doi.org/10.1016/j.ynstr.2020.100280>.
<http://www.sciencedirect.com/science/article/pii/S2352289520300709>

Longmooor, G. K., Lange, C. H., Darvell, H., Walker, L., Rytönen, S., Votka, E., . . . Smulders, T. V. (2016). Different Seasonal Patterns in Song System Volume in Willow Tits and Great Tits. *Brain, Behavior and Evolution*. doi. <http://www.karger.com/Article/Abstract/447114>

Longphre, M., Li, D., Gallup, M., Drori, E., Ordonez, C. L., Redman, T., . . . Basbaum, C. (1999). Allergen-induced IL-9 directly stimulates mucin transcription in respiratory epithelial cells. *Journal of Clinical Investigation*, 104, 1375-1382. doi.

Lopez, I., Ishiyama, G., Tang, Y., Tokita, J., Baloh, R. W., & Ishiyama, A. (2005). Regional estimates of hair cells and supporting cells in the human crista ampullaris. *Journal of Neuroscience Research*, 82(3), 421-431. doi.

Lopez, I., Ishiyama, G., Tang, Y., Frank, M., Baloh, R. W., & Ishiyama, A. (2005). Estimation of the number of nerve fibers in the human vestibular endorgans using unbiased stereology and immunohistochemistry *Journal of Neuroscience Methods*, 145(1-2), 37-46. doi.

Lopez, P. H., Zhang, G., Zhang, J., Lehmann, H. C., Griffin, J. W., Schnaar, R. L., & Sheikh, K. A. (2010). Passive transfer of IgG anti-GM1 antibodies impairs peripheral nerve repair. *Journal of Neuroscience*, 30(28), 9533-9541. doi.

López-Cruz, L., Pardo, M., Salamone, J. D., & Correa, M. (2014). Differences between the nonselective adenosine receptor antagonists caffeine and theophylline in motor and mood effects: Studies using medium to high doses in animal models. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2014.05.020>.

<http://www.sciencedirect.com/science/article/pii/S0166432814003210>

López-Toledano, M. A., & Shelanski, M. L. (2007). Increased neurogenesis in young transgenic mice overexpressing human APP(Sw, Ind). *Journal of Alzheimer's Disease*, 12(3), 229-240. doi.

Lorenzi, H. A., & Reeves, R. H. (2006). Hippocampal hypocellularity in the Ts65Dn mouse originates early in development. *Brain Research*, 1104(1), 153-159. doi.

Lorenzl, S., Calingasan, N., Yang, L., Albers, D. S., Shugama, S., Gregorio, J., . . . Beal, M. F. (2004). Matrix metalloproteinase-9 is elevated in 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine-induced parkinsonism in mice. *Neuromolecular Medicine*, 5(2), 119-131. doi.

Loris, Z. B., Hynton, J. R., Pieper, A. A., & Dietrich, W. D. (2017). Beneficial Effects of Delayed P7C3-A20 Treatment After Transient MCAO in Rats. [journal article]. *Translational Stroke Research*. doi: 10.1007/s12975-017-0565-z.
<https://doi.org/10.1007/s12975-017-0565-z>

Loris, Z. B., Pieper, A. A., & Dalton Dietrich, W. (2017). The neuroprotective compound P7C3- A20 promotes neurogenesis and improves cognitive function after ischemic stroke.

Experimental Neurology, 290, 63-73. doi: <http://dx.doi.org/10.1016/j.expneurol.2017.01.006>.
<http://www.sciencedirect.com/science/article/pii/S0014488617300055>

Lorke, D. E., Wong, L. Y., Lai, H. W. L., Poon, P. W. F., Zhang, A., Chan, W. Y., & Yew, D. T. W. (2003). Early postnatal sound exposure induces lasting neuronal changes in the inferior colliculus of senescence accelerated mice (SAMP8): a morphometric study on GABAergic neurons and NMDA expression. *Cellular and Molecular Neurobiology*, 23(2), 143-164. doi.

Lotocki, G., Alonso, O. F., Frydel, B., Dietrich, W. D., & Keane, R. W. (2003). Monoubiquitination and Cellular Distribution of XIAP in Neurons after Traumatic Brain Injury. *Journal of Cerebral Blood Flow and Metabolism*, 23, 1129-1136. doi.

Lotocki, G., de Rivero Vaccari, J. P., Perez, E. R., Sanchez-Molano, J., Furones-Alonso, O., Bramlett, H. M., & Dietrich, W. D. (2009). Alterations in blood-brain barrier permeability to large and small molecules and leukocyte accumulation after traumatic brain injury: effects of post-traumatic hypothermia. *Journal of Neurotrauma*, 26(7), 1123-1134. doi.

Lotocki, G., Vaccari, J. R., Alonso, O., Molano, J. S., Nixon, R., Dietrich, W. D., & Bramlett, H. M. (2011). Oligodendrocyte Vulnerability Following Traumatic Brain Injury in Rats: Effect of Moderate Hypothermia. *Therapeutic Hypothermia and Temperature Management*, 1(1), 43-51. doi.

Lötsch, J., Schmidt, R., Vetter, G., Schmidt, H., Niederberger, E., Geisslinger, G., & Tegeder, I. (2002). Increased CNS uptake and enhanced antinociception of morphine-6-glucuronide in rats after inhibition of P-lycoprotein. *Journal of Neurochemistry*, 83, 241-248. doi.

Louis, E. D., Kuo, S.-H., Tate, W. J., Kelly, G. C., Gutierrez, J., Cortes, E. P., . . . Faust, P. L. (2017). Heterotopic Purkinje Cells: a Comparative Postmortem Study of Essential Tremor and Spinocerebellar Ataxias 1, 2, 3, and 6. [journal article]. *The Cerebellum*. doi: 10.1007/s12311-017-0876-3. <https://doi.org/10.1007/s12311-017-0876-3>

Louis, E. D., Lee, M., Babji, R., Ma, K., Cortés, E., Vonsattel, J.-P. G., & Faust, P. L. (2014). Reduced Purkinje cell dendritic arborization and loss of dendritic spines in essential tremor. *Brain*, awu314. doi. <http://brain.oxfordjournals.org/content/early/2014/10/31/brain.awu314>

Loy, K., Fourneau, J., Meng, N., Denecke, C., Locatelli, G., & Bareyre, F. M. (2020). Semaphorin 7A restricts serotonergic innervation and ensures recovery after spinal cord injury. *Cellular and Molecular Life Sciences*. doi: 10.1007/s00018-020-03682-w. <https://doi.org/10.1007/s00018-020-03682-w>

Loy, M. K., Schmalz, M. A., Hoche, M. T., Jacobi, D. A., Kreutsfeldt, M. M., Merkler, D. D., & Bareyre, D. F. (2018). Enhanced voluntary exercise improves functional recovery following spinal cord injury by impacting the local neuroglial injury response and supporting the rewiring of supraspinal circuits. *Journal of Neurotrauma*, 0(ja), null. doi: 10.1089/neu.2017.5544. <https://www.liebertpub.com/doi/abs/10.1089/neu.2017.5544>

Lozano-Montes, L., Dimanico, M., Mazloun, R., Li, W., Nair, J., Kintscher, M., . . . Rainer, G. (2020). Optogenetic Stimulation of Basal Forebrain Parvalbumin Neurons Activates the Default Mode Network and Associated Behaviors. *Cell Reports*, 33(6), 108359. doi: <https://doi.org/10.1016/j.celrep.2020.108359>. <http://www.sciencedirect.com/science/article/pii/S2211124720313486>

Lu, F., Li, Y. Q., Aubert, I., & Wong, C. S. (2012). Endothelial cells regulate p53-dependent apoptosis of neural progenitors after irradiation. *Cell Death and Disease*, 3, e324. doi: <http://www.nature.com/cddis/journal/v3/n6/supinfo/cddis201259s1.html>. <http://dx.doi.org/10.1038/cddis.2012.59>

Lu, J., Synowiec, S., Lu, L., Yu, Y., Bretherick, T., Takada, S., . . . Drobyshevsky, A. (2018). Microbiota influence the development of the brain and behaviors in C57BL/6J mice. *Plos one*, 13(8), e0201829. doi: 10.1371/journal.pone.0201829. <https://doi.org/10.1371/journal.pone.0201829>

Lu, J.-Y., Nelvagal, H. R., Wang, L., Birnbaum, S. G., Cooper, J. D., & Hofmann, S. L. (2015). Intrathecal enzyme replacement therapy improves motor function and survival in a preclinical mouse model of infantile neuronal ceroid lipofuscinosis. *Molecular Genetics and Metabolism*, (0).

doi: <http://dx.doi.org/10.1016/j.ymgme.2015.05.005>.
<http://www.sciencedirect.com/science/article/pii/S1096719215300123>

Lu, L. X., Yon, J. H., Carter, L. B., & Jevtovic-Todorovic, V. (2006). General anesthesia activates BDNF-dependent neuroapoptosis in the developing rat brain. *Apoptosis*, 11(9), 1603-1615. doi:

Lu, P., Ceto, S., Wang, Y., Graham, L., Wu, D., Kumamaru, H., . . . Tuszynski, M. H. (2017). Prolonged human neural stem cell maturation supports recovery in injured rodent CNS. *The Journal of Clinical Investigation*, 127(9). doi: 10.1172/jci92955. <https://doi.org/10.1172/JCI92955>

Lu, P., Wang, Y., Graham, L., McHale, K., Gao, M., Wu, D., . . . Tuszynski, Mark H. (2012). Long- Distance Growth and Connectivity of Neural Stem Cells after Severe Spinal Cord Injury. *Cell*, 150(6), 1264-1273. doi: 10.1016/j.cell.2012.08.020. http://www.sciencedirect.com/science/article/pii/S0092867412_010185

Lu, W., Karuppagounder, S. S., Springer, D. A., Allen, M. D., Zheng, L., Chao, B., . . . Lenardo, M. (2014). Genetic deficiency of the mitochondrial protein PGAM5 causes a Parkinson's-like movement disorder. *Nature Communications*, 5. doi: <http://www.nature.com/ncomms/2014/140915/ncomms5930/full/ncomms5930.html>

Lu, X. H., Fleming, S. M., Meurers, B., Ackerson, L. C., Mortazavi, F., Lo, V., . . . others. (2009). BAC Transgenic Mice Expressing a Truncated Mutant Parkin Exhibit Age-dependent Hypokinetic Motor Deficits, Dopaminergic Neuron Degeneration, and Accumulation of Proteinase K-Resistant Alpha-Synuclein. *Journal of Neuroscience*, 29(7), 1962-1962. doi:

Lu, X.-H., Fleming, S. M., Meurers, B., Ackerson, L. C., Mortazavi, F., Lo, V., . . . Yang, X. W. (2009). Bacterial Artificial Chromosome Transgenic Mice Expressing a Truncated Mutant Parkin Exhibit Age-Dependent Hypokinetic Motor Deficits, Dopaminergic Neuron Degeneration, and Accumulation of Proteinase K-Resistant α -Synuclein. *Journal of Neuroscience*, 29(7), 1962-1976. doi: 10.1523/jneurosci.5351-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/7/1962>

Lu, Y., Xiao, G., & Luo, W. (2016). Minocycline Suppresses NLRP3 Inflammasome Activation in Experimental Ischemic Stroke. *Neuroimmunomodulation*. doi: <http://www.karger.com/Article/Abstract/452172>

Lu, Y.-C., Chen, Y.-Z., Wei, Y.-Y., He, X.-T., Li, X., Hu, W., . . . Dong, Y.-L. (2014). Neurochemical properties of the synapses between the parabrachial nucleus-derived CGRP-positive axonal terminals and the GABAergic neurons in the lateral capsular division of central nucleus of amygdala. *Molecular Neurobiology*, 1-14. doi: 10.1007/s12035-014-8713-x. <http://dx.doi.org/10.1007/s12035-014-8713-x>

Lu, Z., Marks, E., Chen, J., Moline, J., Barrows, L., Raisbeck, M., . . . Fox, J. H. (2014). Altered selenium status in Huntington's disease: Neuroprotection by selenite in the N171-82Q mouse model. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.06.022>.
<http://www.sciencedirect.com/science/article/pii/S0969996114001867>

Lucas, G., Rymar, V. V., Du, J., Mnie-Filali, O., Bisgaard, C., Manta, S., . . . others. (2007). Serotonin₄ (5-HT₄) receptor agonists are putative antidepressants with a rapid onset of action. *Neuron*, 55(5), 712-725. doi.

Lucas, G., Rymar, V. V., Sadikot, A. F., & Debonnel, G. (2008). Further evidence for an antidepressant potential of the selective 5-HT_{1A} agonist SA4503: electrophysiological, morphological and behavioural studies. *International Journal of Neuropsychopharmacology*, 11, 485-495. doi.

Lucassen, P. J., Stumpel, M. W., Wang, Q., & Aronica, E. (2010). Decreased numbers of progenitor cells but no response to antidepressant drugs in the hippocampus of elderly depressed patients. *Neuropharmacology*, 58(6), 940-949. doi.

Luccarini, I., Ballerini, C., Biagioli, T., Biamonte, F., Bellucci, A., Rosi, M. C., . . . Casamenti, F. (2008). Combined treatment with atorvastatin and minocycline suppresses severity of EAE. *Experimental Neurology*, 211(1), 214-226. doi.

Lucchina, L., & Depino, A. M. (2013). Altered Peripheral and Central Inflammatory Responses in a Mouse Model of Autism. *Autism Research*, n/a-n/a. doi: 10.1002/aur.1338. <http://dx.doi.org/10.1002/aur.1338>

Luise Hupa, K., Schmiedl, A., Pabst, R., Von Hörsten, S., & Stephan, M. (2013). Maternal Deprivation Decelerates Postnatal Morphological Lung Development of F344 Rats. *Anatomical Record*, n/a-n/a. doi: 10.1002/ar.22848. <http://dx.doi.org/10.1002/ar.22848>

Luk, K. C., Kennedy, T. E., & Sadikot, A. F. (2003). Glutamate Promotes Proliferation of Striatal Neuronal Progenitors by an NMDA Receptor-Mediated Mechanism. *Journal of Neuroscience*, 23(6), 2239-2250. doi. <http://www.jneurosci.org/cgi/content/abstract/23/6/2239>

Luk, K. C., Rymar, V. V., van den Munckhof, P., Nicolau, S., Steriade, C., Bifsha, P., . . . Sadikot, A. F. (2013). The transcription factor Pitx3 is expressed selectively in midbrain dopaminergic neurons susceptible to neurodegenerative stress. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.12160. <http://dx.doi.org/10.1111/jnc.12160>

Luk, K. C., & Sadikot, A. F. (2001). GABA promotes survival but not proliferation of parvalbumin-immunoreactive interneurons in rodent neostriatum: an in vivo study with stereology. *Neuroscience*, 104(1), 93-103. doi.

Luk, K. C., & Sadikot, A. F. (2004). Glutamate and Regulation of Proliferation in the Developing Mammalian Telencephalon. *Developmental Neuroscience*, 26(2-4), 218-228. doi. <http://www.karger.com/DOI/10.1159/000082139>

Lukić, A., Lukić, I. K., Kroin, J. S., Li, J., Tuman, K. J., Moric, M., . . . Napier, C. T. (2019). In utero Exposure to Anesthetics Alters Neuronal Migration Pattern in Developing Cerebral Cortex

and Causes Postnatal Behavioral Deficits in Rats. doi:
10.1093/cercor/bhz065.
<https://doi.org/10.1093/cercor/bhz065>

Luo, J., Chen, X., Pan, Y.-W., Lu, S., Xia, Z., & Storm, D. R. (2015). The Type 3 Adenylyl Cyclase Is Required for the Survival and Maturation of Newly Generated Granule Cells in the Olfactory Bulb. *Plos one*, 10(3), e0122057. doi:
10.1371/journal.pone.0122057. <http://dx.doi.org/10.1371%2Fjournal.pone.0122057>

Luo, K. R., Chao, C. C., Chen, Y. T., Huang, C. M., Yang, N. C. C., Kan, H. W., . . . Hsieh, S. T. (2011). Quantitation of sudomotor innervation in skin biopsies of patients with diabetic neuropathy. *Journal of Neuropathology and Experimental Neurology*, 70(10), 930-930. doi.

Luo, L., Chen, J., Su, D., Chen, M., Luo, B., Pi, R., . . . Wang, R. (2017). L-F001, a Multifunction ROCK Inhibitor Prevents 6-OHDA Induced Cell Death Through Activating Akt/GSK-3beta and Nrf2/HO-1 Signaling Pathway in PC12 Cells and Attenuates MPTP-Induced Dopamine Neuron Toxicity in Mice. [journal article]. *Neurochemical Research*, 1-10. doi: 10.1007/s11064-016-2117-4. <http://dx.doi.org/10.1007/s11064-016-2117-4>

Luo, T., Roman, P., Liu, C., Sun, X., Park, Y., & Hu, B. (2014). Upregulation of the GEF-H1 pathway after transient cerebral ischemia. *Experimental Neurology*, (o). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.10.016>.
<http://www.sciencedirect.com/science/article/pii/S0014488614003525>

Luo, X. G., Chiu, K., Lau, F. H., Lee, V. W., Yung, K. K., & So, K. F. (2009). The Selective Vulnerability of Retinal Ganglion Cells in Rat Chronic Ocular Hypertension Model at Early Phase. *Cellular and Molecular Neurobiology*, 29(8), 1143-1151. doi.

Luo, Y., Shen, H., Liu, H. S., Yu, S. J., Reiner, D. J., Harvey, B. K., . . . Wang, Y. (2012). CART peptide induces neuroregeneration in stroke rats. *Journal of Cerebral Blood Flow and Metabolism*. doi.

Luo, Y., Wang, Y., Kuang, S. Y., Chiang, Y. H., & Hoffer, B. (2010). Decreased level of Nurr1 in heterozygous young adult mice leads to exacerbated acute and long-term toxicity after repeated methamphetamine exposure. *PLoS ONE*, 5(12), e15193-e15193. doi.

Lurain, N. S., Hanson, B. A., Martinson, J., Leurgans, S. E., Landay, A. L., Bennett, D. A., & Schneider, J. A. (2013). Virological and Immunological Characteristics of Human Cytomegalovirus Infection Associated with Alzheimer's Disease. *Journal of Infectious Diseases*. doi:
10.1093/infdis/jit210.
<http://jid.oxfordjournals.org/content/early/2013/05/09/infdis.jit210.a bs...>

Lussier, A. L., Caruncho, H. J., & Kalynchuk, L. E. (2009). Repeated exposure to corticosterone, but not restraint, decreases the number of reelin-positive cells in the adult rat hippocampus. *Neuroscience Letters*, 460(2), 170-174. doi.

Lussier, A. L., Lebedeva, K., Fenton, E. Y., Guskjolen, A., Caruncho, H. J., & Kalynchuk, L. E. (2013). The progressive development of depression-like behavior in corticosterone-treated rats is paralleled by slowed granule cell maturation and decreased reelin expression in the

adult dentate gyrus. *Neuropharmacology*, 71(0), 174-183.

doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.04.012>.

<http://www.sciencedirect.com/science/article/pii/S0028390813001494>

Lussier, A. L., Romay-Tallón, R., Kalynchuk, L. E., & Caruncho, H. J. (2011). Reelin as a putative vulnerability factor for depression: examining the depressogenic effects of repeated corticosterone in heterozygous reeler mice. *Neuropharmacology*, 60(7), 1064-1074. doi:

Lussier, S. J., & Stevens, H. E. (2016). Delays in GABAergic Interneuron Development and Behavioral Inhibition after Prenatal Stress. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22376. <http://dx.doi.org/10.1002/dneu.22376>

Luzzati, F., De Marchis, S., Fasolo, A., & Peretto, P. (2006). Neurogenesis in the Caudate Nucleus of the Adult Rabbit. *Journal of Neuroscience*, 26(2), 609-621. doi: 10.1523/jneurosci.4371-

05.2006.

<http://www.jneurosci.org/cgi/content/abstract/26/2/609>

Lv, E., Deng, J., Yu, Y., Wang, Y., Gong, X., Jia, J., & Wang, X. (2015). Nrf2-ARE signals mediated the anti-oxidative action of electro-acupuncture in an MPTP mouse model of Parkinson's disease. *Free Radical Research*, 0(ja), 1-30. doi: doi:10.3109/10715762.2015.1067696.

<http://informahealthcare.com/doi/abs/10.3109/10715762.2015.1067696>

Lv, X., Ren, S.-Q., Zhang, X.-J., Shen, Z., Ghosh, T., Xianyu, A., . . . Shi, S.-H. (2019). TBR2 coordinates neurogenesis expansion and precise microcircuit organization via Protocadherin 19 in the mammalian cortex. *Nature Communications*, 10(1), 3946. doi: 10.1038/s41467-019-11854-x. <https://doi.org/10.1038/s41467-019-11854-x>

Ly, M., Foley, L., Manivannan, A., Hitchens, T. K., Richardson, R. M., & Modo, M. (2020). Mesoscale diffusion magnetic resonance imaging of the ex vivo human hippocampus. *Human Brain Mapping*, n/a(n/a). doi:

10.1002/hbm.25119. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hbm.25119>

Lynes, J., Wibowo, M., Koschmann, C., Baker, G., Saxena, V., Muhammad, A. K. M. G., . . . Lowenstein, P. (2014). Lentiviral-Induced High-Grade Gliomas in Rats: The Effects of PDGFB, HRAS-G12V, AKT, and IDH1-R132H. *Neurotherapeutics*, 1-13. doi: 10.1007/s13311-014-0269-

y. <http://dx.doi.org/10.1007/s13311-014-0269-y>

Lyons, D. M., Buckmaster, P. S., Lee, A. G., Wu, C., Mitra, R., Duffey, L. M., . . . Schatzberg, A. F. (2010). Stress coping stimulates hippocampal neurogenesis in adult monkeys. *Proceedings of the National Academy of Sciences*, 107(33), 14823-14827. doi: 10.1073/Proceedings of the National Academy of Sciences.0914568107. <http://www.Proceedings of the National Academy of Sciences.org/content/107/33/14823.abstract>

Ma, E. L., Smith, A. D., Desai, N., Cheung, L., Hanscom, M., Stoica, B. A., . . . Faden, A. I. (2017). Bidirectional brain-gut interactions and chronic pathological changes after traumatic brain injury in mice. *Brain, Behavior, and Immunity*.

doi: <http://dx.doi.org/10.1016/j.bbi.2017.06.018>.

<http://www.sciencedirect.com/science/article/pii/S0889159117302076>

Ma, L., Hu, B., Liu, Y., Vermilyea, S. á., Liu, H., Gao, L., . . . Zhang, S.-C. (2012). Human Embryonic Stem Cell-Derived GABA Neurons Correct Locomotion Deficits in Quinolinic Acid-Lesioned Mice. *Cell Stem Cell*, (0). doi: 10.1016/j.stem.2012.01.021. <http://www.sciencedirect.com/science/article/pii/S1934590912000719>

Ma, S., Blasiak, A., Olucha-Bordonau, F. E., Verberne, A. J. M., & Gundlach, A. L. (2013). Heterogeneous Responses of Nucleus Incertus Neurons to Corticotropin-Releasing Factor and Coherent Activity with Hippocampal Theta Rhythm in the Rat. *Journal of Physiology*. doi: 10.1113/jphysiol.2013.254300. <http://jp.physoc.org/content/early/2013/05/09/jphysiol.2013.254300.abstract>

Ma, S. Y., Longo, F. M., Roytta, M., & Collan, Y. (2003). Modern stereological evaluation in the aging human substantia nigra. *Image Analytical Stereology*, 22, 73-80. doi.

Ma, T. C., Buescher, J. L., Oatis, B., Funk, J. A., Nash, A. J., & Carrier, R. L. (2007). Metformin therapy in a transgenic mouse model of Huntington's disease. *Neuroscience Letters*, 411. doi: 10.1016/j.neulet.2006.10.039. <http://dx.doi.org/10.1016/j.neulet.2006.10.039>

Ma, Y., Lovekamp-Swan, T., Bekele, W., Dohi, A., & Schreihöfer, D. A. (2013). Hypoxia-Inducible Factor and Vascular Endothelial Growth Factor Are Targets of Dietary Soy During Acute Stroke in Female Rats. *Endocrinology*. doi: 10.1210/en.2012-2120. <http://endo.endojournals.org/content/early/2013/02/28/en.2012-2120.abstract>

Ma, Z., Zhang, T., Wang, R., Cheng, Z., Xu, H., Li, W., . . . Wang, X. (2011). Tissue factor-factor VIIa complex induces epithelial ovarian cancer cell invasion and metastasis through a monocytes-dependent mechanism. *International Journal of Gynecological Cancer*, 21(4), 616-616. doi.

Maass, F., Petersen, J., Hovakimyan, M., Schmitt, O., Witt, M., Hawlitschka, A., . . . Wree, A. (2014). Reduced cerebellar neurodegeneration after combined therapy with cyclodextrin/allopregnanolone and miglustat in NPC1: A mouse model of Niemann-Pick type C1 disease. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23509. <http://dx.doi.org/10.1002/jnr.23509>

Mabe, A. M., Hoard, J. L., Duffourc, M. M., & Hoover, D. B. (2006). Localization of cholinergic innervation and neurturin receptors in adult mouse heart and expression of the neurturin gene. *Cell and Tissue Research*, 326(1), 57-67. doi.

Mabe, A. M., & Hoover, D. B. (2009). Structural and functional cardiac cholinergic deficits in adult neurturin knockout mice. *Cardiovascular Research*, 82(1), 93-93. doi.

Mabe, A. M., & Hoover, D. B. (2011). Remodeling of cardiac cholinergic innervation and control of heart rate in mice with streptozotocin-induced diabetes. *Autonomic Neuroscience*. doi.

Macas, J., Ku, M.-C., Nern, C., Xu, Y., Bühler, H., Remke, M., . . . Momma, S. (2013). Generation of neuronal progenitor cells in response to tumors in the human brain. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1581. <http://dx.doi.org/10.1002/stem.1581>

Macauley, S. L., Roberts, M. S., Wong, A. M., McSloy, F., Reddy, A. S., Cooper, J. D., & Sands, M. S. (2012). Synergistic effects of central nervous system-directed gene therapy and bone marrow transplantation in the murine model of infantile neuronal ceroid lipofuscinosis. *Annals of Neurology*, 1531-8249 (Electronic). doi.

Macauley, S. L., Wozniak, D. F., Kielar, C., Tan, Y., Cooper, J. D., & Sands, M. S. (2009). Cerebellar pathology and motor deficits in the palmitoyl protein thioesterase 1-deficient mouse. *Experimental Neurology*, 217(1), 124-135. doi: 10.1016/j.expneurol.2009.01.022. <http://www.sciencedirect.com/science/article/pii/S0014488609000405>

MacDonald, C. L., Dikranian, K., Bayly, P., Holtzman, D., & Brody, D. (2007). Diffusion Tensor Imaging Reliably Detects Experimental Traumatic Axonal Injury and Indicates Approximate Time of Injury. *Journal of Neuroscience*, 27(44), 11869-11876. doi: 10.1523/jneurosci.3647-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/44/11869>

MacDonald, C. L., Dikranian, K., Song, S. K., Bayly, P. V., Holtzman, D. M., & Brody, D. L. (2007). Detection of traumatic axonal injury with diffusion tensor imaging in a mouse model of traumatic brain injury. *Experimental Neurology*, 205(1), 116-131. doi.

Macdonald, J. A., Bronner, I. F., Drynan, L., Fan, J., Curry, A., Fraser, G., . . . Goedert, M. (2019). Assembly of transgenic human P301S Tau is necessary for neurodegeneration in murine spinal cord. [journal article]. *Acta Neuropathologica Communications*, 7(1), 44. doi: 10.1186/s40478-019-0695-5. <https://doi.org/10.1186/s40478-019-0695-5>

Machado, V., Gilsbach, R., Das, R., Schober, A., Bogatyreva, L., Hauschke, D., . . . Spittau, B. (2016). Gdf-15 deficiency does not alter vulnerability of nigrostriatal dopaminergic system in MPTP-intoxicated mice. [journal article]. *Cell and Tissue Research*, 1-15. doi: 10.1007/s00441-016-2406-x. <http://dx.doi.org/10.1007/s00441-016-2406-x>

Machado, V., Haas, S. J. P., von Bohlen und Halbach, O., Wree, A., Krieglstein, K., Unsicker, K., & Spittau, B. (2015). Growth/differentiation factor-15 deficiency compromises dopaminergic neuron survival and microglial response in the 6-hydroxydopamine mouse model of Parkinson's disease. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2015.12.016>. <http://www.sciencedirect.com/science/article/pii/S0969996115301182>

Maciag, D., Hughes, J., O'Dwyer, G., Pride, Y., Stockmeier, C. A., Sanacora, G., & Rajkowska, G. (2010). Reduced density of calbindin immunoreactive GABAergic neurons in the occipital cortex in major depression: relevance to neuroimaging studies. *Biological Psychiatry*, 67(5), 465-470. doi.

Maćkowiak, M., Bator, E., Latusz, J., Mordalska, P., & Wędzony, K. (2013). Prenatal MAM administration affects histone H3 methylation in postnatal life in the rat medial prefrontal cortex. *European Neuropsychopharmacology*, (6). doi: <http://dx.doi.org/10.1016/j.euroneuro.2013.05.013>. <http://www.sciencedirect.com/science/article/pii/S0924977X13001752>

Maćkowiak, M., Mordalska, P., Dudys, D., Korostynski, M., Bator, E., & Wedzony, K. (2011). Cocaine enhances ST8Siall mRNA expression and NCAM polysialylation in the rat medial prefrontal cortex. *Neuroscience*. doi.

MacLean, J. N., Fenstermaker, V., Watson, B. O., & Yuste, R. (2006). A visual thalamocortical slice. *Nature Methods*, 3, 129-134. doi.

MacLeod, J. E., & Bucci, D. J. (2010). Contributions of the subregions of the medial prefrontal cortex to negative occasion setting. *Behavioral Neuroscience*, 124(3), 321-321. doi.

Macri, S., Biamonte, F., Romano, E., Marino, R., Keller, F., & Laviola, G. (2010). Perseverative responding and neuroanatomical alterations in adult heterozygous reeler mice are mitigated by neonatal estrogen administration. *Psychoneuroendocrinology*, 35(9), 1374-1387. doi.

Madaro, L., Antonangeli, F., Favia, A., Esposito, B., Biamonte, F., Bouché, M., . . . D'Alessio, A. (2013). Knock down of caveolin-1 affects morphological and functional hallmarks of human endothelial cells. *Journal of Cellular Biochemistry*, n/a-n/a. doi: 10.1002/jcb.24526. <http://dx.doi.org/10.1002/jcb.24526>

Madeo, M., Colbert, P. L., Vermeer, D. W., Lucido, C. T., Cain, J. T., Vichaya, E. G., . . . Vermeer, P. D. (2018). Cancer exosomes induce tumor innervation. *Nature Communications*, 9(1), 4284. doi: 10.1038/s41467-018-06640-0. <https://doi.org/10.1038/s41467-018-06640-0>

Madhavadas, S., & Subramanian, S. (2016). Cognition enhancing effect of the aqueous extract of *Cinnamomum zeylanicum* on non-transgenic Alzheimer's disease rat model: Biochemical, histological, and behavioural studies. *Nutritional Neuroscience*, 1-12. doi. <http://www.tandfonline.com/doi/abs/10.1080/1028415X.2016.1194593>

Madhavadas, S., Subramanian, S., & Kutty, B. (2017). Environmental enrichment improved cognitive deficits more in peri-adolescent than in adult rats after postnatal monosodium glutamate treatment. *Physiology international*, 104(4), 271-290. doi. <http://akademai.com/doi/abs/10.1556/2060.104.2017.4.7>

Madhavan, L., Daley, B. F., Sortwell, C. E., & Collier, T. J. (2012). Endogenous neural precursors influence grafted neural stem cells and contribute to neuroprotection in the parkinsonian rat. *European Journal of Neuroscience*, 35(6), 883-895. doi.

Madhu, L. N., Kodali, M., Attaluri, S., Shuai, B., Melissari, L., Rao, X., & Shetty, A. K. (2021). Melatonin improves brain function in a model of chronic Gulf War Illness with modulation of oxidative stress, NLRP3 inflammasomes, and BDNF-ERK-CREB pathway in the hippocampus. *Redox Biology*, 43, 101973. doi: <https://doi.org/10.1016/j.redox.2021.101973>. <https://www.sciencedirect.com/science/article/pii/S221323172100121X>

Madsen, H. B., Navaratnarajah, S., Farrugia, J., Djouma, E., Ehrlich, M., Mantamadiotis, T., . . . Lawrence, A. J. (2012). CREB1 and CREB-binding protein in striatal medium spiny neurons regulate behavioural responses to psychostimulants. *Psychopharmacology*, 1-15. doi.

Madsen, P. M., Desu, H. L., Pablo de Rivero Vaccari, J., Florimon, Y., Ellman, D. G., Keane, R. W., . . . Brambilla, R. (2019). Oligodendrocytes modulate the immune-inflammatory response in EAE via TNFR2 signaling. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2019.11.017>. <http://www.sciencedirect.com/science/article/pii/S0889159119307962>

Madsen, P. M., Pinto, M., Patel, S., McCarthy, S., Gao, H., Taherian, M., . . . Brambilla, R. (2017). Mitochondrial DNA double-strand breaks in oligodendrocytes cause demyelination, axonal injury and CNS inflammation. [10.1523/JNEUROSCI.1378-17.2017]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2017/09/20/JNEUROSCI.1378-17.2017>...

Madsen, P. M., Sloley, S. S., Vitores, A. A., Carballosa-Gautam, M. M., Brambilla, R., & Hentall, I. D. (2017). Prolonged stimulation of a brainstem raphe region attenuates experimental autoimmune encephalomyelitis. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.01.037>. <http://www.sciencedirect.com/science/article/pii/S0306452217300507>

Madsen, T. M., Yeh, D. D., Valentine, G. W., & Duman, R. S. (2005). Electroconvulsive Seizure Treatment Increases Cell Proliferation in Rat Frontal Cortex. *Neuropsychopharmacology*, 30, 27-34. doi.

Maduka, U. P., Hamity, M. V., Walder, R. Y., White, S. R., Li, Y., & Hammond, D. L. (2016). Changes in the disposition of substance P in the rostral ventromedial medulla after inflammatory injury in the rat. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.12.054>. <http://www.sciencedirect.com/science/article/pii/S0306452216000038>

Maeda, S., Djukic, B., Taneja, P., Yu, G. Q., Lo, I., Davis, A., . . . Kim, D. (2016). Expression of A152T human tau causes age-dependent neuronal dysfunction and loss in transgenic mice. *EMBO reports*, e201541438. doi: <http://embor.embopress.org/content/early/2016/03/01/embr.201541438.export>

Maeda, S., Sahara, N., Saito, Y., Murayama, M., Yoshiike, Y., & Kim, H. (2007). Granular tau oligomers as intermediates of tau filaments. *Biochemistry*, 46. doi: 10.1021/bio61359o. <http://dx.doi.org/10.1021/bio61359o>

Maes, W., Deroose, C., Reumers, V., Krylyshkina, O., Gijssbers, R., Baekelandt, V., . . . Van Gool, S. W. (2009). In vivo bioluminescence imaging in an experimental mouse model for dendritic cell based immunotherapy against malignant glioma. *Journal of Neuro-Oncology*, 91(2), 127-139. doi.

Maffucci, J. A., Noel, M. L., Gillette, R., Wu, D., & Gore, A. C. (2009). Age- and Hormone-Regulation of N-Methyl-D-Aspartate Receptor Subunit NR2b in the Anteroventral Periventricular Nucleus of the Female Rat: Implications for Reproductive Senescence. *Journal of Neuroendocrinology*, 21(5), 506-517. doi.

Mafi, A. M., Hofer, L. N., Russ, M. G., Young, J. W., & Mellott, J. G. (2020). The Density of Perineuronal Nets Increases With Age in the Inferior Colliculus in the Fischer Brown Norway

Rat. [Original Research]. *Frontiers in Aging Neuroscience*, 12(27). doi: 10.3389/fnagi.2020.00027. <https://www.frontiersin.org/article/10.3389/fnagi.2020.00027>

Magalhães, S. A., Foresti, M. L., Barros, V. N., & Mello, L. E. (2020). Marmosets have a greater diversity of c-Fos response after hyperstimulation in distinct cortical regions as compared to rats. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.25044. <https://doi.org/10.1002/cne.25044>

Magariños, A. M., Li, C. J., Gal Toth, J., Bath, K. G., Jing, D., Lee, F. S., & McEwen, B. S. (2011). Effect of brain-derived neurotrophic factor haploinsufficiency on stress-induced remodeling of hippocampal neurons. *Hippocampus*, 21(3), 253-264. doi: 10.1002/hipo.20744. <http://dx.doi.org/10.1002/hipo.20744>

Magen, I., Ostritsky, R., Richter, F., Zhu, C., Fleming, S. M., Lemesre, V., . . . Chesselet, M.-F. (2014). Intranasal NAP (davunetide) decreases tau hyperphosphorylation and moderately improves behavioral deficits in mice overexpressing α -synuclein. *Pharmacology Research & Perspectives*, 2(5), n/a-n/a. doi: 10.1002/prp2.65. <http://dx.doi.org/10.1002/prp2.65>

Magill, C. K., Tuffaha, S. H., Yee, A., Luciano, J. P., Hunter, D. A., Mackinnon, S. E., & Borschel, G. H. (2009). The Short-and Long-Term Effects of Seprafilm on Peripheral Nerves: A Histological and Functional Study. *Journal of Reconstructive Microsurgery*, 25(06), 345-354. doi:

Magnain, C., Augustinack, J. C., Konukoglu, E., Frosch, M. P., Sakadžić, S., Varjabedian, A., . . . Fischl, B. (2015). Optical coherence tomography visualizes neurons in human entorhinal cortex. *Neurophotonics*, 2(1), 015004-015004. doi: 10.1117/1.NPh.2.1.015004. <http://dx.doi.org/10.1117/1.NPh.2.1.015004>

Magnoni, R., Palmfeldt, J., Christensen, J. H., Sand, M., Maltecca, F., Corydon, T. J., . . . Bross, P. (2013). Late onset motoneuron disorder caused by mitochondrial Hsp60 chaperone deficiency in mice. *Neurobiology of Disease*, 54(0), 12-23. doi: <http://dx.doi.org/10.1016/j.nbd.2013.02.012>. <http://www.sciencedirect.com/science/article/pii/S0969996113000740>

Magnuson, B., Ekim, B., & Fingar, D. C. (2012). Regulation and function of ribosomal protein S6 kinase (S6K) within mTOR signalling networks. *Biochemical Journal*, 441. doi: 10.1042/bj20110892. <http://dx.doi.org/10.1042/BJ20110892>

Mahajan, G. J., Vallender, E. J., Garrett, M. R., Challagundla, L., Overholser, J. C., Jurjus, G., . . . Stockmeier, C. A. (2017). Altered neuro-inflammatory gene expression in hippocampus in major depressive disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. doi: <https://doi.org/10.1016/j.pnpbp.2017.11.017>. <http://www.sciencedirect.com/science/article/pii/S0278584617307790>

Mahar, I., Labonte, B., Yogendran, S., Isingrini, E., Perret, L., Davoli, M. A., . . . Mechawar, N. (2017). Disrupted hippocampal neuregulin-1/ErbB3 signaling and dentate gyrus granule cell alterations in suicide. [Original Article]. *Transl Psychiatry*, 7, e1161. doi: 10.1038/tp.2017.132. <http://dx.doi.org/10.1038/tp.2017.132>

Mahar, I., Tan, S., Davoli, M. A., Dominguez-Lopez, S., Qiang, C., Rachalski, A., . . . Mechawar, N. (2011). Subchronic Peripheral Neuregulin-1 Increases Ventral Hippocampal Neurogenesis and Induces Antidepressant-Like Effects. *PLoS ONE*, 6(10), e26610-e26610. doi: <https://doi.org/10.1371/journal.pone.0026610>.

Mahati, K., Bhagya, V., Christofer, T., Sneha, A., & Shankaranarayana Rao, B. S. (2016). Enriched environment ameliorates depression-induced cognitive deficits and restores abnormal hippocampal synaptic plasticity. *Neurobiology of Learning and Memory*. doi: [http://dx.doi.org/10.1016/j.nlm.2016.08.017](https://doi.org/10.1016/j.nlm.2016.08.017).
<http://www.sciencedirect.com/science/article/pii/S1074742716301605>

Mahler, S. V., & Aston-Jones, G. S. (2012). Fos Activation of Selective Afferents to Ventral Tegmental Area during Cue-Induced Reinstatement of Cocaine Seeking in Rats. *Journal of Neuroscience*, 32(38), 13309-13325. doi: 10.1523/jneurosci.2277-12.2012. <http://www.jneurosci.org/content/32/38/13309.abstract>

Mahler, S. V., Vazey, E. M., Beckley, J. T., Keistler, C. R., McGlinchey, E. M., Kaufling, J., . . . Aston-Jones, G. (2014). Designer receptors show role for ventral pallidum input to ventral tegmental area in cocaine seeking. *Nature Neuroscience*. doi: <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3664.html>

Maia, G. H., Brazete, C. S., Soares, J. I., Luz, L. L., & Lukoyanov, N. V. (2017). Serotonin depletion increases seizure susceptibility and worsens neuropathological outcomes in kainate model of epilepsy. *Brain Research Bulletin*, 134, 109-120. doi: <https://doi.org/10.1016/j.brainresbull.2017.07.009>.
<http://www.sciencedirect.com/science/article/pii/S0361923017300862>

Maia, G. H., Soares, J. I., Almeida, S. G., Leite, J. M., Baptista, H. X., Lukoyanova, A. N., . . . Lukoyanov, N. V. (2019). Altered serotonin innervation in the rat epileptic brain. *Brain Research Bulletin*, 152, 95-106. doi: <https://doi.org/10.1016/j.brainresbull.2019.07.009>.
<http://www.sciencedirect.com/science/article/pii/S0361923018308049>

Maia, G. H., Soares, J. I., Andrade, P. A., Leite, J. F., Luz, L. L., Andrade, J. P., & Lukoyanov, N. V. (2015). Altered taste preference and loss of limbic-projecting serotonergic neurons in the dorsal raphe nucleus of chronically epileptic rats. *Behavioural Brain Research*. doi: <http://dx.doi.org/10.1016/j.bbr.2015.10.010>.
<http://www.sciencedirect.com/science/article/pii/S0166432815302242>

Maia, L. F., Kaeser, S. A., Reichwald, J., Hruscha, M., Martus, P., Staufenbiel, M., & Jucker, M. (2013). Changes in Amyloid- β and Tau in the Cerebrospinal Fluid of Transgenic Mice Overexpressing Amyloid Precursor Protein. *Science translational medicine*, 5(194), 194re192. doi: 10.1126/scitranslmed.3006446. <http://stm.sciencemag.org/content/5/194/194re2.abstract>

Main, B. S., Zhang, M., Brody, K. M., Ayton, S., Frugier, T., Steer, D., . . . Taylor, J. M. (2016). Type-1 interferons contribute to the neuroinflammatory response and disease progression of the MPTP mouse model of Parkinson's disease. *Glia*, n/a-n/a. doi: 10.1002/glia.23028. <http://dx.doi.org/10.1002/glia.23028>

Mainardi, M., Pietrasanta, M., Vannini, E., Rossetto, O., & Caleo, M. (2012). Tetanus neurotoxin– induced epilepsy in mouse visual cortex. *Epilepsia*. doi.

Maiti, P., Gregg, L. C., & McDonald, M. P. (2015). MPTP-induced executive dysfunction is associated with altered prefrontal serotonergic function. *Behavioural Brain Research*. doi: <http://dx.doi.org/10.1016/j.bbr.2015.09.014>.
<http://www.sciencedirect.com/science/article/pii/S016643281530187X>

Majcher-Maślanka, I., Solarz, A., & Chocyk, A. (2019). Maternal separation disturbs postnatal development of the medial prefrontal cortex and affects the number of neurons and glial cells in adolescent rats. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.10.033>.
<http://www.sciencedirect.com/science/article/pii/S0306452219307250>

Majcher-Maślanka, I., Solarz, A., Wędzony, K., & Chocyk, A. (2017). The effects of early-life stress on dopamine system function in adolescent female rats. *International Journal of Developmental Neuroscience*. doi: <http://dx.doi.org/10.1016/j.ijdevneu.2017.01.001>.
<http://www.sciencedirect.com/science/article/pii/S0736574816303367>

Majcher-Maślanka, I., Solarz, A., Wędzony, K., & Chocyk, A. (2018). Previous Early-life Stress Modifies Acute Corticosterone-induced Synaptic Plasticity in the Medial Prefrontal Cortex of Adolescent Rats. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.03.038>.
<https://www.sciencedirect.com/science/article/pii/S030645221830229X>

Majewski-Tiedeken, C. R., Rabin, C. R., & Siegel, S. J. (2008). Ketamine exposure in adult mice leads to increased cell death in C3H, DBA2 and FVB inbred mouse strains. *Drug and Alcohol Dependence*, 92(1), 217–227. doi.

Major, T., Menon, J., Auyeung, G., Soldner, F., Hockemeyer, D., Jaenisch, R., & Tabar, V. (2011). Transgene Excision Has No Impact on In Vivo Integration of Human iPS Derived Neural Precursors. *PLoS ONE*, 6(9), e24687–e24687. doi.

Mak, G. K., Antle, M. C., Dyck, R. H., & Weiss, S. (2013). Bi-Parental Care Contributes to Sexually Dimorphic Neural Cell Genesis in the Adult Mammalian Brain. *Plos one*, 8(5), e62701. doi: 10.1371/journal.pone.0062701. <http://dx.doi.org/10.1371%2Fjournal.pone.0062701>

Mak, K. K. L., & Chan, S. Y. (2003). Epidermal Growth Factor as a Biologic Switch in Hair Growth Cycle. *Journal of Biological Chemistry*, 278(28), 26120–26126. doi: 10.1074/jbc.M212082200. <http://www.jbc.org/cgi/content/abstract/278/28/26120>

Mak, S. K., Huang, Y. A., Iranmanesh, S., Vangipuram, M., Sundararajan, R., Nguyen, L., ... Schüle, B. (2012). Small Molecules Greatly Improve Conversion of Human-Induced Pluripotent Stem Cells to the Neuronal Lineage. *Stem Cells International*, 2012. doi.

Makinodan, M., Rosen, K. M., Ito, S., & Corfas, G. (2012). A Critical Period for Social Experience–Dependent Oligodendrocyte Maturation and Myelination. *Science*, 337(6100),

1357-1360. doi:

10.1126/science.1220845. <http://www.sciencemag.org/content/337/6100/1357.short>

Makinson, C. D., Tanaka, B. S., Sorokin, J. M., Wong, J. C., Christian, C. A., Goldin, A. L., . . . Huguenard, J. R. (2017). Regulation of Thalamic and Cortical Network Synchrony by Scn8a. *Neuron*.

doi: <http://dx.doi.org/10.1016/j.neuron.2017.01.031>. <http://www.sciencedirect.com/science/article/pii/S0896627317300557>

Malagelada, C., Jin, Z. H., Jackson-Lewis, V., Przedborski, S., & Greene, L. A. (2010). Rapamycin Protects against Neuron Death in In Vitro and In Vivo Models of Parkinson's Disease. *Journal of Neuroscience*, 30(3), 1166-1175. doi: 10.1523/jneurosci.3944-09.2010.

<http://www.jneurosci.org/cgi/content/abstract/30/3/1166>

Malchow, B., Strocka, S., Frank, F., Bernstein, H.-G., Steiner, J., Schneider-Axmann, T., . . . Schmitt, A. (2014). Stereological investigation of the posterior hippocampus in affective disorders. *Journal of Neural Transmission*, 1-15. doi: 10.1007/s00702-014-1316-

x. <http://dx.doi.org/10.1007/s00702-014-1316-x>

Maldonado-Avilés, J. G., Wu, Q., Sampson, A. R., & Lewis, D. A. (2006). Somal size of immunolabeled pyramidal cells in the prefrontal cortex of subjects with schizophrenia. *Biological Psychiatry*, 60(3), 226-234. doi.

Maldonado-Lasunción, I., Haggerty, A. E., Okuda, A., Mihara, T., de la Oliva, N., Verhaagen, J., & Oudega, M. (2021). The Effect of Inflammatory Priming on the Therapeutic Potential of Mesenchymal Stromal Cells for Spinal Cord Repair. *Cells*, 10(6). doi: 10.3390/cells10061316.

Malheiros-Lima, M. R., Silva, J. N., Souza, F. C., Takakura, A. C., & Moreira, T. S. (2020). C1 neurons are part of the circuitry that recruits active expiration in response to the activation of peripheral chemoreceptors. *eLife*, 9, e52572. doi:

10.7554/eLife.52572. <https://pubmed.ncbi.nlm.nih.gov/31971507>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7010411/>

Malipatlolla, D. K., Patel, P., Sjöberg, F., Devarakonda, S., Kalm, M., Angenete, E., . . . Bull, C. (2019). Long-term mucosal injury and repair in a murine model of pelvic radiotherapy.

Scientific Reports, 9(1), 13803. doi: 10.1038/s41598-019-50023-

4. <https://doi.org/10.1038/s41598-019-50023-4>

Maloney, S. E., Noguchi, K. K., Wozniak, D. F., Fowler, S. C., & Farber, N. B. (2011). Long-term Effects of Multiple Glucocorticoid Exposures in Neonatal Mice. *Behavioral Sciences*, 1(1), 4-30. doi.

Maloney, S. E., Yuede, C. M., Creeley, C. E., Williams, S. L., Huffman, J. N., Taylor, G. T., . . . Wozniak, D. F. (2019). Repeated neonatal isoflurane exposures in the mouse induce apoptotic degenerative changes in the brain and relatively mild long-term behavioral deficits. *Scientific Reports*, 9(1), 2779. doi: 10.1038/s41598-019-39174-

6. <https://doi.org/10.1038/s41598-019-39174-6>

Malter Cohen, M., Jing, D., Yang, R. R., Tottenham, N., Lee, F. S., & Casey, B. J. (2013). Early-life stress has persistent effects on amygdala function and development in mice and humans. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1310163110.

http://www.pnas.org/content/early/2013/10/15/1310163110.abst_ract

Manaye, K. F., Allard, J. S., Kalifa, S., Drew, A. C., Xu, G., Ingram, D. K., . . . Mouton, P. R. (2011). 17 α -Estradiol Attenuates Neuron Loss in Ovariectomized Dtg A β PP/PS1 Mice. *Journal of Alzheimer's Disease*, 23(4), 629-639. doi.

Manaye, K. F., Mouton, P. R., Xu, G., Drew, A., Lei, D. L., Sharma, Y., . . . Turner, S. (2011). Age-related loss of noradrenergic neurons in the brains of triple transgenic mice. *AGE*, 1-9. doi.

Mandell, J. G., Hill, K. L., Nguyen, D. T., Moser, K. W., Harbaugh, R. E., McInerney, J., . . . Warf, B. C. (2014). Volumetric brain analysis in neurosurgery: Part 3. Volumetric CT analysis as a predictor of seizure outcome following temporal lobectomy. *Journal of Neurosurgery: Pediatrics*, 1-11.

doi: <http://thejns.org/action/showCitFormats?doi=10.3171%2F2014.9.PEDS12428>

Mandell, J. G., Langelaan, J. W., Webb, A. G., & Schiff, S. J. (2014). Volumetric brain analysis in neurosurgery: Part 1. Particle filter segmentation of brain and cerebrospinal fluid growth dynamics from MRI and CT images. *Journal of Neurosurgery: Pediatrics*, 1-12.

doi: <http://thejns.org/doi/abs/10.3171/2014.9.PEDS12426>

Mandler, M., Rockenstein, E., Overk, C., Mante, M., Florio, J., Adame, A., . . . Rissman, R. A. (2019). Effects of single and combined immunotherapy approach targeting amyloid β protein and α -synuclein in a dementia with Lewy bodies-like model. *Alzheimer's & Dementia*.

doi: <https://doi.org/10.1016/j.jalz.2019.02.002>.

<http://www.sciencedirect.com/science/article/pii/S1552526019300718>

Mandolesi, G., De Vito, F., Musella, A., Gentile, A., Bullitta, S., Fresegna, D., . . . Mori, F. (2016). miR-142-3p is a key regulator of IL-1 β -dependent synaptopathy in neuroinflammation.

Journal of Neuroscience, 0851-0816.

doi: <http://www.jneurosci.org/content/early/2016/12/05/JNEUROSCI.0851-16.2016>

Mandyam, C. D., Crawford, E. F., Eisch, A. J., Rivier, C. L., & Richardson, H. N. (2008). Stress experienced in utero reduces sexual dichotomies in neurogenesis, microenvironment, and cell death in the adult rat hippocampus. *Developmental Neurobiology*, 68(5), 575-589. doi.

Mandyam, C. D., Wee, S., Crawford, E. F., Eisch, A. J., Richardson, H. N., & Koob, G. F. (2008). Varied access to intravenous methamphetamine self-administration differentially alters adult hippocampal neurogenesis. *Biological Psychiatry*, 64(11), 958-965. doi.

Mandyam, C. D., Wee, S., Eisch, A. J., Richardson, H. N., & Koob, G. F. (2007). Methamphetamine Self-Administration and Voluntary Exercise Have Opposing Effects on Medial Prefrontal Cortex Gliogenesis. *Journal of Neuroscience*, 27(42), 11442-11450. doi: 10.1523/jneurosci.2505-

07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/42/11442>

Manfredsson, F. P., Burger, C., Sullivan, L. F., Muzyczka, N., Lewin, A. S., & Mandel, R. J. (2007). rAAV-mediated nigral human parkin over-expression partially ameliorates motor deficits via enhanced dopamine neurotransmission in a rat model of Parkinson's disease. *Experimental Neurology*, 207, 289-301. doi.

Mangano, E. N., Litteljohn, D., So, R., Nelson, E., Peters, S., Bethune, C., . . . Hayley, S. (2011). Interferon- γ plays a role in paraquat-induced neurodegeneration involving oxidative and proinflammatory pathways. *Neurobiology of Aging*. doi.

Manger, P. R., Patzke, N., Spocter, M. A., Bhagwandin, A., Karlsson, K. Å., Bertelsen, M. F., . . . Fuxe, K. (2021). Amplification of potential thermogenetic mechanisms in cetacean brains compared to artiodactyl brains. *Scientific Reports*, 11(1), 5486. doi: 10.1038/s41598-021-84762-0. <https://doi.org/10.1038/s41598-021-84762-0>

Mangus, L. M., Dorsey, J. L., Weinberg, R. L., Ebenezer, G. J., Hauer, P., Laast, V. A., & Mankowski, J. L. (2016). Tracking Epidermal Nerve Fiber Changes in Asian Macaques: Tools and Techniques for Quantitative Assessment. *Toxicologic Pathology*. doi: 10.1177/0192623316650286. <http://tpx.sagepub.com/content/early/2016/05/26/0192623316650286.abstract>

Mangus, L. M., Rao, D. B., & Ebenezer, G. J. (2019). Intraepidermal Nerve Fiber Analysis in Human Patients and Animal Models of Peripheral Neuropathy: A Comparative Review. *Toxicologic Pathology*, 0192623319855969. doi: 10.1177/0192623319855969. <https://doi.org/10.1177/0192623319855969>

Manhas, N., Shi, Y., Taunton, J., & Sun, D. (2010). p90RSK activation contributes to cerebral ischemic damage via phosphorylation of Na⁺/H⁺ exchanger isoform 1. *Journal of Neurochemistry*, 114(5), 1476-1486. doi.

Mani, B. K., Osborne-Lawrence, S., Mequinion, M., Lawrence, S., Gautron, L., Andrews, Z. B., & Zigman, J. M. (2017). The role of ghrelin-responsive mediobasal hypothalamic neurons in mediating feeding responses to fasting. *Molecular Metabolism*. doi: 10.1016/j.molmet.2017.06.011. <http://dx.doi.org/10.1016/j.molmet.2017.06.011>

Manitt, C., Eng, C., Pokinko, M., Ryan, R., Torres-Berrio, A., Lopez, J., . . . Schmidt, E. (2013). dcc orchestrates the development of the prefrontal cortex during adolescence and is altered in psychiatric patients. *Translational Psychiatry*, 3(12), e338. doi. <http://www.nature.com/tp/journal/v3/n12/full/tp2013105a.html>

Manitt, C., Mimee, A., Eng, C., Pokinko, M., Stroh, T., Cooper, H. M., . . . Flores, C. (2011). The Netrin Receptor DCC Is Required in the Pubertal Organization of Mesocortical Dopamine Circuitry. *Journal of Neuroscience*, 31(23), 8381-8394. doi: 10.1523/jneurosci.0606-11.2011. <http://www.jneurosci.org/content/31/23/8381.abstract>

Manley, N. R., Selleri, L., Brendolan, A., Gordon, J., & Cleary, M. L. (2004). Abnormalities of caudal pharyngeal pouch development in Pbx1 knockout mice mimic loss of Hox3 paralogs. *Developmental Biology*, 276(2), 301-312. doi.

Manno, I., Macchi, F., Caleo, M., & Bozzi, Y. (2011). Environmental enrichment reduces spontaneous seizures in the Q54 transgenic mouse model of temporal lobe epilepsy. *Epilepsia*, 52(9), e113-e117. doi: 10.1111/j.1528-1167.2011.03166.x. <http://dx.doi.org/10.1111/j.1528-1167.2011.03166.x>

Manns, M., Bichler, Z., Leske, O., & Heumann, R. (2010). Neuronal Ras activation inhibits adult hippocampal progenitor cell division and impairs spatial short-term memory. *Genes, Brain and Behavior*, 9(5), 525-536. doi.

Manocha, G. D., Floden, A. M., Puig, K. L., Nagamoto-Combs, K., Scherzer, C. R., & Combs, C. K. (2017). Defining the contribution of neuroinflammation to Parkinson's disease in humanized immune system mice. [journal article]. *Molecular Neurodegeneration*, 12(1), 17. doi: 10.1186/s13024-017-0158-z. <http://dx.doi.org/10.1186/s13024-017-0158-z>

Manocha, G. D., Floden, A. M., Rausch, K., Kulas, J. A., McGregor, B. A., Rojanathammanee, L., . . . Nichols, M. R. (2016). APP Regulates Microglial Phenotype in a Mouse Model of Alzheimer's Disease. *The Journal of Neuroscience*, 36(32), 8471-8486. doi. <https://scholar.google.com/scholar?hl=en&q=APP+Regulates+Microglial+Phen...>

Manohar, A., Foffani, G., Ganzer, P. D., Bethea, J. R., & Moxon, K. (2017). Cortex-dependent recovery of unassisted hindlimb locomotion after complete spinal cord injury in adult rats. *eLife*, 6, e23532. doi.

Manuel, M. N., Martynoga, B., Molinek, M. D., Quinn, J. C., Kroemmer, C., Mason, J. O., . . . others. (2011). The transcription factor Foxg1 regulates telencephalic progenitor proliferation cell autonomously, in part by controlling Pax6 expression levels. *Neural development*, 6(1), 9-9. doi.

Manzanero, S., Erion, J. R., Santro, T., Steyn, F. J., Chen, C., Arumugam, T. V., & Stranahan, A. M. (2014). Intermittent fasting attenuates increases in neurogenesis after ischemia and reperfusion and improves recovery. *Journal of Cerebral Blood Flow and Metabolism*. doi. <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm201436a.html>

Mao, H., Gorbatyuk, M. S., Hauswirth, W. W., & Lewin, A. S. (2012). Gene Delivery of Wild-Type Rhodopsin Rescues Retinal Function in an Autosomal Dominant Retinitis Pigmentosa Mouse Model. *Retinal Degenerative Diseases*, 199-205. doi.

Mao, H., Gorbatyuk, M. S., Rossmiller, B., Hauswirth, W. W., & Lewin, A. S. (2012). Long Term Rescue of Retinal Structure and Function in P23H RHO Transgenic Mice by Rhodopsin RNA Replacement with a Single AAV Vector. *Human Gene Therapy*, (ja). doi.

Mao, H., James Jr, T., Schwein, A., Shabashvili, A. E., Hauswirth, W. W., Gorbatyuk, M. S., & Lewin, A. S. (2010). AAV delivery of wild-type rhodopsin preserves retinal function in a mouse model of autosomal dominant retinitis pigmentosa. *Human Gene Therapy*, 22(5), 567-575. doi.

Mao, Z., Liu, C., Ji, S., Yang, Q., Ye, H., Han, H., & Xue, Z. (2017). The NLRP3 Inflammasome is Involved in the Pathogenesis of Parkinson's Disease in Rats. [journal article]. *Neurochemical*

Research, 1-12. doi: 10.1007/s11064-017-2185-0. <http://dx.doi.org/10.1007/s11064-017-2185-0>

Mao, Z.-F., Ouyang, S.-H., Zhang, Q.-Y., Wu, Y.-P., Wang, G.-E., Tu, L.-F., . . . He, R.-R. (2020). New insights into the effects of caffeine on adult hippocampal neurogenesis in stressed mice: Inhibition of CORT-induced microglia activation. *The FASEB Journal*, n/a(n/a). doi: 10.1096/fj.202000146RR. <https://faseb.onlinelibrary.wiley.com/doi/abs/10.1096/fj.202000146RR>

Mapstone, M., Weintraub, S., Nowinski, C., Kaptanoglu, G., Gitelman, D. R., Mesulam, M., & others. (2003). Cerebral hemispheric specialization for spatial attention: Spatial distribution of search-related eye fixations in the absence of neglect. *Neuropsychologia*, 41(10), 1396-1409. doi.

Maragakis, N. J., & Rothstein, J. D. (2006). Mechanisms of disease: astrocytes in neurodegenerative disease. *Nat Clin Pract Neurol*, 2. doi: 10.1038/ncpneuro0355. <http://dx.doi.org/10.1038/ncpneuro0355>

Marcario, J. K., Manaye, K. F., SantaCruz, K. S., Mouton, P. R., Berman, N. E. J., & Cheney, P. D. (2004). Severe subcortical degeneration in macaques infected with neurovirulent simian immunodeficiency virus. *Journal of Neurovirology*, 10(6), 387-399. doi.

Marchese, E., Di Maria, V., Samengo, D., Pani, G., Michetti, F., & Geloso, M. C. (2017). Post-natal Deletion of Neuronal cAMP Responsive-Element Binding (CREB)-1 Promotes Pro-inflammatory Changes in the Mouse Hippocampus. [journal article]. *Neurochemical Research*, 1-16. doi: 10.1007/s11064-017-2233-9. <http://dx.doi.org/10.1007/s11064-017-2233-9>

Marchini, M., & Rolian, C. (2018). Artificial selection sheds light on developmental mechanisms of limb elongation. *Evolution*, n/a-n/a. doi: 10.1111/evo.13447. <http://dx.doi.org/10.1111/evo.13447>

Marchionini, D. M., Lehrmann, E., Chu, Y., He, B., Sortwell, C. E., Becker, K. G., . . . Collier, T. J. (2007). Role of heparin binding growth factors in nigrostriatal dopamine system development and Parkinson's disease. *Brain Research*, 1147, 77-88. doi.

Marcillo, A., Frydel, B., Bramlett, H. M., & Dietrich, W. D. (2011). A reassessment of P2X7 receptor inhibition as a neuroprotective strategy in rat models of contusion injury. *Experimental Neurology*. doi.

Marcos, R., Monteiro, R. A. F., & Rocha, E. (2012). The use of design-based stereology to evaluate volumes and numbers in the liver: a review with practical guidelines. *Journal of Anatomy*. doi.

Marek, N., Krzystyniak, A., Ergenc, I., Cochet, O., Misawa, R., Wang, L. J., . . . others. (2011). Coating Human Pancreatic Islets With CD4+ CD25highCD127- Regulatory T Cells as a Novel Approach for the Local Immunoprotection. *Annals of Surgery*, 254(3), 512-512. doi.

Maria, S. e., M., W. V., Olaf, H., Jennifer, M., B., P. C., Thomas, F., & Kirsten, H. T. (2018). Comparative evaluation of chitosan nerve guides with regular or increased bendability for acute and delayed peripheral nerve repair – a comprehensive comparison with autologous nerve grafts and muscle-in-vein grafts. *The Anatomical Record*, 0(ja). doi: doi:10.1002/ar.23847. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ar.23847>

Maries, E., Kordower, J. H., Chu, Y., Collier, T. J., Sortwell, C. E., Olan, E., . . . Steece-Collier, K. (2006). Focal not widespread grafts induce novel dyskinetic behavior in parkinsonian rats. *Neurobiology of Disease*, 21(1), 165-180. doi.

Mark, A. M., Wesley, S. W., Stewart, Y., & Alan, L. (2019). Rapid-stretch injury to peripheral nerves: implications from an animal model. *Journal of Neurosurgery JNS*, 1-11. doi: 10.3171/2019.6.jns19511. <https://thejns.org/view/journals/j-neurosurg/aop/article-10.3171-2019.6....>

Markakis, E. A., Vives, K. P., Bober, J., Leichtle, S., Leran, C., Beecham, J., . . . Redmond, D. E. (2009). Comparative transduction efficiency of AAV vector serotypes 1-6 in the substantia nigra and striatum of the primate brain. *Molecular Therapy*, 18(3), 588-593. doi.

Markham, J. A., Jurgens, H. A., Auger, C. J., De Vries, G. J., Arnold, A. P., & Juraska, J. M. (2003). Sex differences in mouse cortical thickness are independent of the complement of sex chromosomes. *Neuroscience*, 116(1), 71-75. doi.

Markham, J. A., Morris, J. R., & Juraska, J. M. (2007). Neuron number decreases in the rat ventral, but not dorsal, medial prefrontal cortex between adolescence and adulthood. *Neuroscience*, 144(3), 961-968. doi.

Markota, M., Sin, J., Pantazopoulos, H., Jonilionis, R., & Berretta, S. (2014). Reduced Dopamine Transporter Expression in the Amygdala of Subjects Diagnosed With Schizophrenia. *Schizophrenia Bulletin*. doi: 10.1093/schbul/sbu084. <http://schizophreniabulletin.oxfordjournals.org/content/early/2014/06/16...>

Markovic, D. S., Vinnakota, K., Chirasani, S., Synowitz, M., Raguet, H., Stock, K., . . . Kettenmann, H. (2009). Gliomas induce and exploit microglial MT1-MMP expression for tumor expansion. *Proceedings of the National Academy of Sciences*, 106(30), 12530-12535. doi: 10.1073/Proceedings of the National Academy of Sciences.0804273106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/30/12530.abstract>

Markram, H., Muller, E., Ramaswamy, S., Reimann, Michael W., Abdellah, M., Sanchez, Carlos A., . . . Schürmann, F. (2015). Reconstruction and Simulation of Neocortical Microcircuitry. *Cell*, 163(2), 456-492. doi: <http://dx.doi.org/10.1016/j.cell.2015.09.029>. <http://www.sciencedirect.com/science/article/pii/S0092867415011915>

Markram, H., Muller, E., Ramaswamy, S., Reimann, Michael W., Abdellah, M., Sanchez, Carlos A., . . . Schürmann, F. (2015). Reconstruction and Simulation of Neocortical Microcircuitry. *Cell*, 163(2), 456-492.

doi: <http://dx.doi.org/10.1016/j.cell.2015.09.029>.
<http://www.sciencedirect.com/science/article/pii/S0092867415011915>

Markus-Koch, A., Schmitt, O., Seemann, S., Lukas, J., Koczan, D., Ernst, M., . . . Luo, J. (2017). ADAM23 promotes neuronal differentiation of human neural progenitor cells. [journal article]. *Cellular & Molecular Biology Letters*, 22(1), 16. doi: 10.1186/s11658-017-0045-

1. <https://doi.org/10.1186/s11658-017-0045-1>

Marlatt, M. W., Philippens, I., Manders, E., Czéh, B., Joels, M., Krugers, H., & Lucassen, P. J. (2011). Distinct structural plasticity in the hippocampus and amygdala of the middle-aged common marmoset (*Callithrix jacchus*). *Experimental Neurology*. doi.

Marlatt, M. W., Potter, M. C., Lucassen, P. J., & van Praag, H. (2012). Running throughout middle-age improves memory function, hippocampal neurogenesis and BDNF levels in female C57BL/6J mice. *Developmental Neurobiology*. doi.

Marmion, D. J., Rutkowski, A. A., Chatterjee, D., Hiller, B. M., Werner, M. H., Bezdard, E., . . . Kordower, J. H. (2021). Viral-based rodent and nonhuman primate models of multiple system atrophy: Fidelity to the human disease. *Neurobiology of Disease*, 148, 105184.

doi: <https://doi.org/10.1016/j.nbd.2020.105184>.
<http://www.sciencedirect.com/science/article/pii/S0969996120304599>

Marques, F., Sousa, J. C., Oliveira, P., Oliveira, H. C. F., & Palha, J. A. (2007). The absence of transthyretin does not impair regulation of lipid and glucose metabolism. *Hormone and Metabolic Research*, 39(7), 529-529. doi.

Marrero-Rosado, B. M., de Araujo Furtado, M., Kundrick, E. R., Walker, K. A., Stone, M. F., Schultz, C. R., . . . Lumley, L. A. (2020). Ketamine as adjunct to midazolam treatment following soman-induced status epilepticus reduces seizure severity, epileptogenesis, and brain pathology in plasma carboxylesterase knockout mice. *Epilepsy & Behavior*, 111, 107229.

doi: <https://doi.org/10.1016/j.yebeh.2020.107229>.
<http://www.sciencedirect.com/science/article/pii/S152550502030408X>

Marrone, M. C., Marinelli, S., Biamonte, F., Keller, F., Sgobio, C. A., Ammassari-Teule, M., . . . Mercuri, N. B. (2006). Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. *European Journal of Neuroscience*, 24(7), 2061-2070. doi: doi:10.1111/j.1460-9568.2006.05083.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.05083.x>

Marroni, S. S., Nakano, F. N., Gati, C. D. C., Oliveira, J. A. C., Antunes-Rodrigues, J., & Garcia-Cairasco, N. (2007). Neuroanatomical and cellular substrates of hypergrooming induced by microinjection of oxytocin in central nucleus of amygdala, an experimental model of compulsive behavior. *Molecular Psychiatry*, 12, 1103-1117. doi.

Marschallinger, J., Krampert, M., Couillard-Despres, S., Heuchel, R., Bogdahn, U., & Aigner, L. (2014). Age-dependent and differential effects of Smad7 Δ x1 on neural progenitor cell proliferation and on neurogenesis. *Experimental Gerontology*, (0).

doi: <http://dx.doi.org/10.1016/j.exger.2014.05.011>. <http://www.sciencedirect.com/science/article/pii/S0531556514001727>

Marshall, A. G., McCarthy, M. M., Brishnehan, K. M., Rao, V., Batia, L. M., Gupta, M., . . . Chaudhuri, J. D. (2009). Effect of gestational ethanol exposure on parvalbumin and calretinin expressing hippocampal neurons in a chick model of fetal alcohol syndrome. *Alcohol*, 43(2), 147-161. doi:

Martchek, M., Thevarkunnel, S., Bauman, M., Blatt, G., & Kemper, T. (2006). Lack of evidence of neuropathology in the locus coeruleus in autism. *Acta Neuropathologica*, 111(5), 497-499. doi:

Martin, H. L., Mounsey, R. B., Sathe, K., Mustafa, S., Nelson, M. C., Evans, R. M., & Teismann, P. (2013). A PPAR δ agonist provides neuroprotection in the MPTP model of Parkinson's Disease. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.02.058>.
<http://www.sciencedirect.com/science/article/pii/S030645221300208X>

Martin, H. L., Santoro, M., Mustafa, S., Riedel, G., Forrester, J. V., & Teismann, P. (2015). Evidence for a role of adaptive immune response in the disease pathogenesis of the MPTP mouse model of Parkinson's disease. *Glia*, n/a-n/a. doi: 10.1002/glia.22935. <http://dx.doi.org/10.1002/glia.22935>

Martin, M., Rehani, K., Jope, R. S., & Michalek, S. M. (2005). Toll-like receptor-mediated cytokine production is differentially regulated by glycogen synthase kinase 3. *Nat Immunol*, 6. doi: 10.1038/ni1221. <http://dx.doi.org/10.1038/ni1221>

Martin, M. M., Liu, Y., & Wang, Z. (2011). Developmental exposure to a serotonin agonist produces subsequent behavioral and neurochemical changes in the adult male prairie vole. *Physiology and Behavior*. doi:

Martínez Cerdeño, V., Hong, T., Amina, S., Lechpammer, M., Ariza, J., Tassone, F., . . . Hagerman, R. (2018). Microglial cell activation and senescence are characteristic of the pathology FXTAS. *Movement Disorders*, 0(0). doi: doi:10.1002/mds.27553. <https://onlinelibrary.wiley.com/doi/abs/10.1002/mds.27553>

Martinez, E. M., Young, A. L., Patankar, Y. R., Berwin, B. L., Wang, L., von Herrmann, K. M., . . . Havrda, M. C. (2017). Nlrp3 is required for inflammatory changes and nigral cell loss resulting from chronic intragastric rotenone exposure in mice. *Toxicological Sciences*. doi: <https://academic.oup.com/toxsci/article-abstract/doi/10.1093/toxsci/kfx1...>

Martinez Hernandez, A., Silbern, I., Geffers, I., Tatenhorst, L., Becker, S., Urlaub, H., . . . Eichele, G. (2021). Low-Expressing Synucleinopathy Mouse Models Based on Oligomer-Forming Mutations and C-Terminal Truncation of α -Synuclein. *Frontiers in Neuroscience*, 15, 643391- 643391. doi: 10.3389/fnins.2021.643391. <https://pubmed.ncbi.nlm.nih.gov/34220415>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8248494/>

Martinez-Canabal, A., Wheeler, A. L., Sarkis, D., Lerch, J. P., Lu, W.-Y., Buckwalter, M. S., . . . Frankland, P. W. (2013). Chronic over-expression of TGF β 1 alters hippocampal structure and causes learning deficits. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22159. <http://dx.doi.org/10.1002/hipo.22159>

Martinez-Gonzalez, C., Andel, J., Bolam, J. P., & Mena-Segovia, J. (2013). Divergent motor projections from the pedunculo pontine nucleus are differentially regulated in Parkinsonism. *Brain Structure and Function*, 1-12. doi: 10.1007/s00429-013-0579-6. <http://dx.doi.org/10.1007/s00429-013-0579-6>

Martinez-Gonzalez, C., Wang, H. L., Micklem, B. R., Bolam, J. P., & Mena-Segovia, J. (2012). Subpopulations of cholinergic, GABAergic and glutamatergic neurons in the pedunculo pontine nucleus contain calcium-binding proteins and are heterogeneously distributed. *European Journal of Neuroscience*. doi.

Martínez-Martínez, E., Galván-Hernández, C. I., Toscano-Márquez, B., & Gutiérrez-Ospina, G. (2012). Modulatory Role of Sensory Innervation on Hair Follicle Stem Cell Progeny during Wound Healing of the Rat Skin. *PLoS ONE*, 7(5), e36421. doi.

Martínez-Martínez, E., Toscano-Márquez, B., & Gutiérrez-Ospina, G. (2011). Long-Term Effects of Neonatal Capsaicin Treatment on Intraepidermal Nerve Fibers and Keratinocyte Proliferation in Rat Glabrous Skin. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 294(1), 173-184. doi: 10.1002/ar.21237. <http://dx.doi.org/10.1002/ar.21237>

Martínez-Martínez, E., Uribe-Querol, E., Galván-Hernández, C. I., & Gutiérrez-Ospina, G. (2016). Stereological Quantification of Cell-Cycle Kinetics and Mobilization of Epithelial Stem Cells during Wound Healing. In M. R. Hoffman (Ed.), *Multipotent Stem Cells of the Hair Follicle: Methods and Protocols* (pp. 93-107). New York, NY: Springer New York.

Martin-Montalvo, A., Mercken, E. M., Mitchell, S. J., Palacios, H. H., Mote, P. L., & Scheibye-Knudsen, M. (2013). Metformin improves healthspan and lifespan in mice. *Nat Commun*, 4. doi: 10.1038/ncomms3192. <http://dx.doi.org/10.1038/ncomms3192>

Martins, L. M., Morrison, A., Klupsch, K., Fedele, V., Moiso, N., Teismann, P., . . . Downward, J. (2004). Neuroprotective Role of the Reaper-Related Serine Protease HtrA2/Omi Revealed by Targeted Deletion in Mice. *Molecular Cellular Biology*, 24, 9848-9862. doi.

Marxreiter, F., Ertle, B., May, V. E. L., Esmer, H., Patrick, C., Kragh, C. L., . . . Nuber, S. (2013). Glial A30P alpha-synuclein pathology segregates neurogenesis from anxiety-related behavior in conditional transgenic mice. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.07.004>. <http://www.sciencedirect.com/science/article/pii/S0969996113001988>

Marxreiter, F., Nuber, S., Kandasamy, M., Klucken, J., Aigner, R., Burgmayer, R., . . . Winner, B. (2009). Changes in adult olfactory bulb neurogenesis in mice expressing the A30P mutant form of alpha-synuclein. *European Journal of Neuroscience*, 29(5), 879-890. doi.

Marzagalli, R., Leggio, G. M., Bucolo, C., Pricoco, E., Keay, K. A., Cardile, V., . . . Castorina, A. (2016). Genetic blockade of the dopamine D3 receptor enhances hippocampal expression of PACAP and receptors and alters their cortical distribution. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.12.034>. <http://www.sciencedirect.com/science/article/pii/S0306452215011197>

Maseko, B. C., Jacobs, B., Spocter, M. A., Sherwood, C. C., Hof, P. R., & Manger, P. R. (2012). Qualitative and Quantitative Aspects of the Microanatomy of the African Elephant Cerebellar Cortex. *Brain, Behavior and Evolution*. doi.

Masilamoni, G., Votaw, J., Howell, L., Villalba, R. M., Goodman, M., Voll, R. J., . . . Smith, Y. (2010). 18F-FECNT: Validation as PET dopamine transporter ligand in parkinsonism.

Experimental Neurology, 226(2), 265-273. doi.

Masilamoni, G. J., Bogenpohl, J. W., Alagille, D., Delevich, K., Tamagnan, G., Votaw, J. R., . . . Smith, Y. (2011). Metabotropic glutamate receptor 5 antagonist protects dopaminergic and noradrenergic neurons from degeneration in MPTP-treated monkeys. *Brain*, 134(7), 2057- 2073. doi:

10.1093/brain/awr137. <http://brain.oxfordjournals.org/cgi/content/abstract/134/7/2057>

Masilamoni, G. J., Groover, O., & Smith, Y. (2017). Reduced noradrenergic innervation of ventral midbrain dopaminergic cell groups and the subthalamic nucleus in MPTP-treated parkinsonian monkeys. *Neurobiology of Disease*.

doi: <http://dx.doi.org/10.1016/j.nbd.2016.12.025>.

<http://www.sciencedirect.com/science/article/pii/S0969996116303151>

Masliah, E., Rockenstein, E., Mante, M., Crews, L., Spencer, B., Adame, A., . . . others. (2011). Passive immunization reduces behavioral and neuropathological deficits in an alpha- synuclein transgenic model of Lewy body disease. *PLoS ONE*, 6(4), e19338-e19338. doi.

Masoud, S. T., Vecchio, L. M., Bergeron, Y., Hossain, M. M., Nguyen, L. T., Bermejo, M. K., . . . Salahpour, A. (2014). Increased expression of the dopamine transporter leads to loss of dopamine neurons, oxidative stress and L-DOPA reversible motor deficits. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.10.016>.

<http://www.sciencedirect.com/science/article/pii/S0969996114003295>

Massaro, G., Mattar, C. N. Z., Wong, A. M. S., Sirka, E., Buckley, S. M. K., Herbert, B. R., . . . Rahim, A. A. (2018). Fetal gene therapy for neurodegenerative disease of infants. *Nature Medicine*. doi: 10.1038/s41591-018-0106-7. <https://doi.org/10.1038/s41591-018-0106-7>

Massé, I. O., Ross, S., Bronchti, G., & Boire, D. (2016). Asymmetric Direct Reciprocal Connections Between Primary Visual and Somatosensory Cortices of the Mouse. *Cerebral Cortex*. doi:

10.1093/cercor/bhw239.

<http://cercor.oxfordjournals.org/content/early/2016/08/13/cerc.or.bhw239...>

Massouh, M., Pourcher, E., Parent, A., & others. (2008). The fate of the large striatal interneurons expressing calretinin in Huntington's disease. *Neuroscience Research*, 62(4), 216-224. doi.

Mastrella, G., Hou, M., Li, M., Stoecklein, V. M., Zdouc, N., Volmar, M. N. M., . . . Kälin, R. E. (2019). Targeting APLN/APLNR improves anti-angiogenic efficiency and blunts pro-invasive side effects of VEGFA/VEGFR2-blockade in glioblastoma. *Cancer Research*,

canres.0881.2018. doi: 10.1158/0008-5472.can-18-

0881. <http://cancerres.aacrjournals.org/content/early/2019/02/02/0008-5472.CAN...>

Masuda, T., Maki, M., Hara, K., Yasuhara, T., Matsukawa, N., Yu, S. J., . . . others. (2010). Peri-hemorrhagic degeneration accompanies stereotaxic collagenase-mediated cortical hemorrhage in mouse. *Brain Research*, 1355, 228-239. doi:

Matak, P., Matak, A., Moustafa, S., Aryal, D. K., Benner, E. J., Wetsel, W., & Andrews, N. C. (2016). Disrupted iron homeostasis causes dopaminergic neurodegeneration in mice. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1519473113.

<http://www.pnas.org/content/early/2016/02/24/1519473113.abs tract>

Mathai, S., Gunn, A. J., Backhaus, R. A., & Guan, J. (2012). Window of Opportunity for Neuroprotection with an Antioxidant, Allene Oxide Synthase, after Hypoxia-Ischemia in Adult Male Rats. *CNS Neuroscience & Therapeutics*, n/a-n/a. doi:

10.1111/cns.12004. <http://dx.doi.org/10.1111/cns.12004>

Matheoud, D., Cannon, T., Voisin, A., Penttinen, A.-M., Ramet, L., Fahmy, A. M., . . . Desjardins, M. (2019). Intestinal infection triggers Parkinson's disease-like symptoms in Pink1-/- mice. *Nature*, 571(7766), 565-569. doi: 10.1038/s41586-019-1405-

y. <https://doi.org/10.1038/s41586-019-1405-y>

Mathews, E. A., Morgenstern, N. A., Piatti, V. C., Zhao, C., Jessberger, S., Schinder, A. F., & Gage, F. H. (2010). A Distinctive layering pattern of mouse dentate granule cells is generated by developmental and adult neurogenesis. *Journal of Comparative Neurology*, 518(22), 4479-4490. doi: 10.1002/cne.22489.

<http://dx.doi.org/10.1002/cne.22489>

Mathieu, P., Roca, V., Gamba, C., del Pozo, A., & Pitossi, F. (2012). Neuroprotective effects of human umbilical cord mesenchymal stromal cells in an immunocompetent animal model of Parkinson's disease. *Journal of Neuroimmunology*. doi:

10.1016/j.jneuroim.2012.03.004.

<http://www.sciencedirect.com/science/article/pii/S0165572812000689>

Matsuda, K. I., Uchiyama, K., Mori, H., Maejima, S., Yamaguchi, S., Tanaka, M., & Tsukahara, S. (2017). Sexual behavior-associated c-Fos induction in the sagittalis nucleus of the hypothalamus in male rat. *Neuroscience Letters*, 661(Supplement C), 104-107.

doi: <https://doi.org/10.1016/j.neulet.2017.09.053>.

<http://www.sciencedirect.com/science/article/pii/S0304394017307954>

Matsuda, W., Ehara, A., Nakadate, K., Yoshimoto, K., & Ueda, S. (2017). Effects of environmental enrichment on the activity of the amygdala in micrencephalic rats exposed to a novel open field. *Congenital Anomalies*, n/a-n/a. doi:

10.1111/cga.12228. <http://dx.doi.org/10.1111/cga.12228>

Matsui, H., Taniguchi, Y., Inoue, H., Kobayashi, Y., Sakaki, Y., Toyoda, A., . . . Takahashi, R. (2010). Loss of PINK1 in medaka fish (*Oryzias latipes*) causes late-onset decrease in spontaneous movement. *Neuroscience Research*, 66(2), 151-161. doi:

Matsui, H., Taniguchi, Y., Inoue, H., Uemura, K., Takeda, S., & Takahashi, R. (2009). A chemical neurotoxin, MPTP induces Parkinson's disease like phenotype, movement disorders and persistent loss of dopamine neurons in medaka fish. *Neuroscience Research*, 65(3), 263-271. doi.

Matsumori, Y., Hong, S. M., Fan, Y., Kayama, T., Hsu, C. Y., Weinstein, P. R., & Liu, J. (2006). Enriched environment and spatial learning enhance hippocampal neurogenesis and salvages ischemic penumbra after focal cerebral ischemia. *Neurobiology of Disease*, 22(1), 187-198. doi.

Matsuzaki, Y., Konno, A., Mukai, R., Honda, F., Hirato, M., Yoshimoto, Y., & Hirai, H. (2016). Transduction Profile of the Marmoset Central Nervous System Using Adeno-Associated Virus Serotype 9 Vectors. [journal article]. *Molecular Neurobiology*, 1-14. doi: 10.1007/s12035-016-9777-6. <http://dx.doi.org/10.1007/s12035-016-9777-6>

Mattei, D., Djodari-Irani, A., Hadar, R., Pelz, A., de Cossio, L. F., Goetz, T., . . . Wolf, S. A. (2014). Minocycline rescues decrease in neurogenesis, increase in microglia cytokines and deficits in sensorimotor gating in an animal model of schizophrenia. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2014.01.019>. <http://www.sciencedirect.com/science/article/pii/S0889159114000440>

Matthew L. MacDonald, Jamil Alhassan, Jason T. Newman, Michelle Richard, Hong Gu, Ryan M. Kelly, . . . Robert A. Sweet. (2017). Selective Loss of Smaller Spines in Schizophrenia. *American Journal of Psychiatry*, 0(0), appi.ajp.2017.16070814. doi: 10.1176/appi.ajp.2017.16070814. <http://ajp.psychiatryonline.org/doi/abs/10.1176/appi.ajp.2017.16070814>

Matthews, C. C., Lovering, R. M., Bowen, T. G., & Fishman, P. S. (2014). Tetanus toxin preserves skeletal muscle contractile force and size during limb immobilization. *Muscle and Nerve*, n/a-n/a. doi: 10.1002/mus.24231. <http://dx.doi.org/10.1002/mus.24231>

Mauney, S. A., Pietersen, C. Y., Sonntag, K.-C., & Woo, T.-U. W. (2015). Differentiation of oligodendrocyte precursors is impaired in the prefrontal cortex in schizophrenia. *Schizophrenia Research*. doi: <http://dx.doi.org/10.1016/j.schres.2015.10.042>. <http://www.sciencedirect.com/science/article/pii/S0920996415300426>

Maurice, T., Lockhart, B. P., & Privat, A. (1996). Amnesia induced in mice by centrally administered beta-amyloid peptides involves cholinergic dysfunction. *Brain Research*, 706. doi: 10.1016/0006-8993(95)01032-7. [http://dx.doi.org/10.1016/0006-8993\(95\)01032-7](http://dx.doi.org/10.1016/0006-8993(95)01032-7)

Mawhinney, L. J., Vaccari, J. P. R., Alonso, O. F., Jimenez, C. A., Furones, C., Moreno, W. J., . . . Bramlett, H. M. (2011). Isoflurane/nitrous oxide anesthesia induces increases in NMDA receptor subunit NR2B protein expression in the aged rat brain. *Brain Research*. doi.

Maxan, A., Mason, S., Saint-Pierre, M., Smith, E., Ho, A., Harrower, T., . . . Cicchetti, F. (2018). Outcome of cell suspension allografts in a patient with Huntington's disease. *Annals of*

Neurology, 0(ja). doi:

doi:10.1002/ana.25354. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25354>

May, V. E. L., Ettle, B., Poehler, A.-M., Nuber, S., Ubhi, K., Rockenstein, E., . . . Winkler, J. (2014). α -Synuclein impairs oligodendrocyte progenitor maturation in multiple system atrophy. *Neurobiology of Aging*, (o).

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2014.02.028>.

<http://www.sciencedirect.com/science/article/pii/S0197458014002346>

May, V. E. L., Nuber, S., Marxreiter, F., Riess, O., Winner, B., & Winkler, J. (2012). Impaired olfactory bulb neurogenesis depends on the presence of human wild type alpha-synuclein. *Neuroscience*, (o). doi: 10.1016/j.neuroscience.2012.07.001.

<http://www.sciencedirect.com/science/article/pii/S0306452212007026?v=s5>

Maynard, M. E., Barton, E. A., Robinson, C. R., Wooden, J. I., & Leasure, J. L. (2017). Sex differences in hippocampal damage, cognitive impairment, and trophic factor expression in an animal model of an alcohol use disorder. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-017-1482-3.

<https://doi.org/10.1007/s00429-017-1482-3>

Maynard, M. E., & Leasure, J. L. (2013). Exercise Enhances Hippocampal Recovery following Binge Ethanol Exposure. *Plos one*, 8(9), e76644. doi:

10.1371/journal.pone.0076644. <http://dx.doi.org/10.1371%2Fjournal.pone.0076644>

Mazarei, G., Budac, D. P., Lu, G., Lee, H., Möller, T., & Leavitt, B. R. (2013). The absence of indoleamine 2,3-dioxygenase expression protects against NMDA receptor-mediated excitotoxicity in mouse brain. *Experimental Neurology*, (o).

doi: <http://dx.doi.org/10.1016/j.expneurol.2013.08.007>.

<http://www.sciencedirect.com/science/article/pii/S0014488613002471>

McAllister, J. P., & Miller, J. M. (2010). Minocycline inhibits glial proliferation in the H-Tx rat model of congenital hydrocephalus. *Fluids and Barriers of the CNS*, 7(1), 7-7. doi:

McAlpine, F. E., Lee, J. K., Harms, A. S., Ruhn, K. A., Blurton-Jones, M., Hong, J., . . . others. (2009). Inhibition of soluble TNF signaling in a mouse model of Alzheimer's disease prevents pre-plaque amyloid-associated neuropathology. *Neurobiology of Disease*, 34(1), 163-177. doi:

McBride, J. L., Behrstock, S. P., Chen, E.-Y., Jakel, R. J., Siegel, I., Svendsen, C. N., & Kordower, J. H. (2004). Human neural stem cell transplants improve motor function in a rat model of Huntington's disease. *Journal of Comparative Neurology*, 475(2), 211-219. doi:

McBride, J. L., Pitzer, M. R., Boudreau, R. L., Dufour, B., Hobbs, T., Ojeda, S. R., & Davidson, B. L. (2011). Preclinical Safety of RNAi-Mediated HTT Suppression in the Rhesus Macaque as a Potential Therapy for Huntington's Disease. *Molecular Therapy*, 19(12), 2152-2162. doi:

McBride, J. L., Ramaswamy, S., Gasmi, M., Bartus, R. T., Herzog, C. D., Brandon, E. P., . . . Kordower, J. H. (2006). Viral delivery of glial cell line-derived neurotrophic factor improves behavior and protects striatal neurons in a mouse model of Huntington's disease.

Proceedings of the National Academy of Sciences, 103(24), 9345-9350. doi: 10.1073/Proceedings of the National Academy of Sciences.0508875103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/24/9345>

McCall, N., Mahadevia, D., Corriveau, J. A., & Glenn, M. J. (2015). Adult emotionality and neural plasticity as a function of adolescent nutrient supplementation in male rats. *Pharmacology Biochemistry and Behavior*, 132(0), 125-135. doi: <http://dx.doi.org/10.1016/j.pbb.2015.03.004>. <http://www.sciencedirect.com/science/article/pii/S0091305715000817>

McCarthy, D., Lueras, P., & Bhide, P. G. (2007). Elevated dopamine levels during gestation produce region-specific decreases in neurogenesis and subtle deficits in neuronal numbers. *Brain Research*, 1182, 11-25. doi.

McClean, J., & Nuñez, J. L. (2008). 17 α -Estradiol is neuroprotective in male and female rats in a model of early brain injury. *Experimental Neurology*, 210(1), 41-50. doi.

McClendon, E., Chen, K., Gong, X., Sharifnia, E., Hagen, M., Cai, V., . . . Back, S. A. (2014). Prenatal cerebral ischemia triggers dysmaturation of caudate projection neurons. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24100. <http://dx.doi.org/10.1002/ana.24100>

McClendon, E., Wang, K., Degener, O., Brien, K., Hagen, M. W., Gong, X., . . . Back, S. A. (2019). Transient Hypoxemia Disrupts Anatomical and Functional Maturation of Preterm Fetal Ovine CA1 Pyramidal Neurons. *The Journal of Neuroscience*, 1364-1319. doi: 10.1523/jneurosci.1364-19.2019. <http://www.jneurosci.org/content/early/2019/08/27/JNEUROSCI.1364-19.2019...>

McCloskey, D. P., Hintz, T. M., Pierce, J. P., & Scharfman, H. E. (2006). Stereological methods reveal the robust size and stability of ectopic hilar granule cells after pilocarpine-induced status epilepticus in the adult rat. *European Journal of Neuroscience*, 24(8), 2203-2210. doi: doi:10.1111/j.1460-9568.2006.05101.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.05101.x>

McConnell, E. D., Wei, H. S., Reitz, K. M., Kang, H., Takano, T., Vates, G. E., & Nedergaard, M. (2015). Cerebral microcirculatory failure after subarachnoid hemorrhage is reversed by hyaluronidase. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x15608389. <http://jcb.sagepub.com/content/early/2015/09/23/0271678X.15608389.abstract>

McCormack, A., Mak, S., & Di Monte, D. (2012). Increased α -synuclein phosphorylation and nitration in the aging primate substantia nigra. *Cell death & disease*, 3(5), e315. doi.

McCormack, A. L., Atienza, J. G., Johnston, L. C., Andersen, J. K., Vu, S., & Di Monte, D. A. (2005). Role of oxidative stress in paraquat-induced dopaminergic cell degeneration. *Journal of Neurochemistry*, 93(4), 1030-1037. doi: doi:10.1111/j.1471-4159.2005.03088.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03088.x>

McCormack, A. L., Atienza, J. G., Langston, J. W., & Di Monte, D. A. (2006). Decreased susceptibility to oxidative stress underlies the resistance of specific dopaminergic cell populations to paraquat-induced degeneration. *Neuroscience*, 141(2), 929-937. doi.

McCormack, A. L., Mak, S. K., Henderson, J. M., Bumcrot, D., Farrer, M. J., & Di Monte, D. A. (2010). Alpha-synuclein suppression by targeted small interfering RNA in the primate substantia nigra. *PLoS ONE*, 5(8), e12122-e12122. doi.

McCormack, A. L., Mak, S. K., Henderson, J. M., Bumcrot, D., Farrer, M. J., & Di Monte, D. A. (2010). α -synuclein suppression by targeted small interfering RNA in the primate substantia nigra. *PLoS ONE*, 5(8), e12122-e12122. doi.

McCormack, A. L., Mak, S. K., Shenasa, M., Langston, W. J., Forno, L. S., & Di Monte, D. A. (2008). Pathological Modifications of α -Synuclein in 1-Methyl-4-Phenyl-1, 2, 3, 6-Tetrahydropyridine (MPTP)-Treated Squirrel Monkeys. *Journal of Neuropathology and Experimental Neurology*, 67(8), 793-793. doi.

McCoy, M. K., Martinez, T. N., Ruhn, K. A., Szymkowski, D. E., Smith, C. G., Botterman, B. R., . . . Tansey, M. G. (2006). Blocking Soluble Tumor Necrosis Factor Signaling with Dominant- Negative Tumor Necrosis Factor Inhibitor Attenuates Loss of Dopaminergic Neurons in Models of Parkinson's Disease. *Journal of Neuroscience*, 26(37), 9365-9375. doi: 10.1523/jneurosci.1504-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/37/9365>

McCoy, M. K., Martinez, T. N., Ruhn, K. A., Wrage, P. C., Keefer, E. W., Botterman, B. R., . . . Tansey, M. G. (2007). Autologous transplants of Adipose-Derived Adult Stromal (ADAS) cells afford dopaminergic neuroprotection in a model of Parkinson's disease. *Experimental Neurology*. doi: doi:10.1016/j.expneurol.2007.10.011.

McCoy, M. K., Ruhn, K. A., Martinez, T. N., McAlpine, F. E., Blesch, A., & Tansey, M. G. (2008). Intranigral lentiviral delivery of dominant-negative TNF attenuates neurodegeneration and behavioral deficits in hemiparkinsonian rats. *Molecular Therapy*, 16(9), 1572-1579. doi.

McCreary, J. K., Erickson, Z. T., Hao, Y., Ilnytsky, Y., Kovalchuk, I., & Metz, G. A. S. (2016). Environmental Intervention as a Therapy for Adverse Programming by Ancestral Stress. [Article]. *Scientific Reports*, 6, 37814. doi: 10.1038/srep37814

<http://www.nature.com/articles/srep37814#supplementary-information>. <http://dx.doi.org/10.1038/srep37814>

McDonald, W. S., Jones, E. E., Wojciak, J. M., Drake, R. R., Sabbadini, R. A., & Harris, N. G. (2018). Matrix-Assisted Laser Desorption Ionization Mapping of Lysophosphatidic Acid Changes after Traumatic Brain Injury and the Relationship to Cellular Pathology. *The American journal of pathology*, 188(8), 1779-1793. doi: <https://doi.org/10.1016/j.ajpath.2018.05.005>. <http://www.sciencedirect.com/science/article/pii/S0002944017309537>

McDougall, J. J., Andruski, B., Schuelert, N., Hallgrímsson, B., & Matyas, J. R. (2009). Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs. *Pain*, 141(3), 222-232. doi.

McFarland, K., Spalding, T. A., Hubbard, D., Ma, J.-N., Olsson, R., & Burstein, E. S. (2013). Low Dose Bexarotene Treatment Rescues Dopamine Neurons and Restores Behavioral Function in Models of Parkinson's Disease. *ACS Chemical Neuroscience*. doi: 10.1021/cn400100f. <http://dx.doi.org/10.1021/cn400100f>

McFerrin, H. E., Olson, S. D., Gutschow, M. V., Semon, J. A., Sullivan, D. E., & Prockop, D. J. (2014). Rapidly Self-Renewing Human Multipotent Marrow Stromal Cells (hMSC) Express Sialyl Lewis X and Actively Adhere to Arterial Endothelium in a Chick Embryo Model System. *Plos one*, 9(8), e105411. doi: 10.1371/journal.pone.0105411. <http://dx.doi.org/10.1371%2Fjournal.pone.0105411>

McGlinchey, E. M., James, M. H., Mahler, S. V., Pantazis, C., & Aston-Jones, G. (2016). Prelimbic to Accumbens Core Pathway Is Recruited in a Dopamine-Dependent Manner to Drive Cued Reinstatement of Cocaine Seeking. *The Journal of Neuroscience*, 36(33), 8700-8711. doi: <http://www.jneurosci.org/content/36/33/8700.short>

McGowan, S. E., Grossmann, R. E., Kimani, P. W., & Holmes, A. J. (2008). Platelet-Derived Growth Factor Receptor-Alpha-Expressing Cells Localize to the Alveolar Entry Ring and Have Characteristics of Myofibroblasts During Pulmonary Alveolar Septal Formation. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 291(12), 1649-1661. doi.

McGowan, S. E., & Holmes, A. J. (2007). Vitamin A deficiency alters pulmonary parenchymal collagen and tissue mechanics. *Respiratory physiology and neurobiology*, 156(3), 312-319. doi.

McGowan, S. E., & McCoy, D. M. (2011). Fibroblasts Expressing PDGF-Receptor-Alpha Diminish During Alveolar Septal Thinning in Mice. *Pediatric Research*, 70(1), 44-49. doi.

McGowan, S. E., & McCoy, D. M. (2013). Platelet derived growth factor-A and sonic hedgehog signaling direct lung fibroblast precursors during alveolar septal formation. *American Journal of Physiology - Lung Cellular and Molecular Physiology*. doi: 10.1152/ajplung.00011.2013. <http://ajplung.physiology.org/content/early/2013/06/05/ajplung.00011.2013>

McGowan, S. E., & McCoy, D. M. (2017). Glucocorticoids Retain Bi-potent Fibroblast Progenitors During Alveolar Septation in Mice. *American Journal of Respiratory Cell and Molecular Biology*, 0(ja), null. doi: 10.1165/rcmb.2016-0376OC. <http://www.atsjournals.org/doi/abs/10.1165/rcmb.2016-0376OC>

McGowan, S. E., & McCoy, D. M. (2018). Neuropilin-1 and platelet-derived growth factor receptors cooperatively regulate intermediate filaments and mesenchymal cell migration during alveolar septation. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. doi: <https://www.physiology.org/doi/abs/10.1152/ajplung.00511.2017>

McGowan, S. E. M. D. M. (2014). Regulation of fibroblast lipid-storage and myofibroblast phenotypes during alveolar septation in mice. [10.1152/ajplung.00144.2014]. American Journal of Physiology - Lung Cellular and Molecular Physiology. doi: <http://ajplung.physiology.org/content/early/2014/08/15/ajplung.00144.201...>

McGrath, K., Reid, D. J., Guatelli-Steinberg, D., Arbenz-Smith, K., El Zaatari, S., Fatica, L. M., . . . McFarlin, S. C. (2019). Faster growth corresponds with shallower linear hypoplastic defects in great ape canines. *Journal of Human Evolution*, 137, 102691. doi: <https://doi.org/10.1016/j.jhevol.2019.102691>.
<http://www.sciencedirect.com/science/article/pii/S004724841930212X>

McGregor, R., Shan, L., Wu, M.-F., & Siegel, J. M. (2017). Diurnal fluctuation in the number of hypocretin/orexin and histamine producing: Implication for understanding and treating neuronal loss. *Plos one*, 12(6), e0178573. doi: 10.1371/journal.pone.0178573. <https://doi.org/10.1371/journal.pone.0178573>

McGregor, R., Wu, M.-F., Barber, G., Ramanathan, L., & Siegel, J. M. (2011). Highly Specific Role of Hypocretin (Orexin) Neurons: Differential Activation as a Function of Diurnal Phase, Operant Reinforcement versus Operant Avoidance and Light Level. *Journal of Neuroscience*, 31(43), 15455-15467. doi: 10.1523/jneurosci.4017-11.2011. <http://www.jneurosci.org/content/31/43/15455.abstract>

McGuire, B., Fiorillo, B., Ryugo, D. K., & Lauer, A. M. (2015). Auditory nerve synapses persist in ventral cochlear nucleus long after loss of acoustic input in mice with early-onset progressive hearing loss. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2015.02.012>.
<http://www.sciencedirect.com/science/article/pii/S0006899315001122>

McKenzie-Nickson, S., Chan, J., Perez, K., Hung, L. W., Cheng, L., Sedjahtera, A., . . . Barnham, K. J. (2018). Modulating Protein Phosphatase 2A rescues disease phenotype in neurodegenerative tauopathies. *ACS Chemical Neuroscience*. doi: 10.1021/acscchemneuro.8b00161. <https://doi.org/10.1021/acscchemneuro.8b00161>

McKeon-O'Malley, C., Siwek, D., Lamoureux, J. A., Williams, C. L., & Kowall, N. W. (2003). Prenatal choline deficiency decreases the cross-sectional area of cholinergic neurons in the medial septal nucleus. *Brain Research*, 977(2), 278-283. doi: 10.1016/S0006-8993(03)00161-1

McKinney, B. C., MacDonald, M. L., Newman, J. T., Shelton, M. A., DeGiosio, R. A., Kelly, R. M., . . . Sweet, R. A. (2019). Density of small dendritic spines and microtubule-associated-protein-2 immunoreactivity in the primary auditory cortex of subjects with schizophrenia. *Neuropsychopharmacology*. doi: 10.1038/s41386-019-0350-7. <https://doi.org/10.1038/s41386-019-0350-7>

McLean, J. R., Smith, G. A., Rocha, E. M., Hayes, M. A., Beagan, J. A., Hallett, P. J., & Isacson, O. (2014). Widespread neuron-specific transgene expression in brain and spinal cord following synapsin promoter-driven AAVg neonatal intracerebroventricular injection. *Neuroscience Letters*, (0). doi: <http://dx.doi.org/10.1016/j.neulet.2014.05.044>. <http://www.sciencedirect.com/science/article/pii/S0304394014004169>

McMahon, A. C., Parry, S. N., Benson, V. L., Witting, P. K., & Le Couteur, D. G. (2011). Beneficial effects of the synthetic antioxidant tert-butyl bisphenol on the hepatic microcirculation in a rat model of diabetes mellitus. *Acta Diabetologica*, 1-5. doi.

McNeal, D. W., Brandner, D. D., Gong, X., Postupna, N. O., Montine, T. J., Dirk Keene, C., & Back, S. A. (2016). Unbiased Stereological Analysis of Reactive Astroglia to Estimate Age- Associated Cerebral White Matter Injury. [10.1093/jnen/nlw032]. *Journal of Neuropathology and Experimental Neurology*. doi. <http://jnen.oxfordjournals.org/content/early/2016/04/29/jnen.nlw032.abst...>

McNeal, D. W., Darling, W. G., Ge, J., Stilwell-Morecraft, K. S., Solon, K. M., Hynes, S. M., . . . Morecraft, R. J. (2010). Selective long-term reorganization of the corticospinal projection from the supplementary motor cortex following recovery from lateral motor cortex injury. *Journal of Comparative Neurology*, 518(5), 586-621. doi.

McNeilly, A. D., Williamson, R., Balfour, D. J., Stewart, C. A., & Sutherland, C. (2012). A high-fat- diet-induced cognitive deficit in rats that is not prevented by improving insulin sensitivity with metformin. *Diabetologia*, 55. doi: 10.1007/s00125-012-2686-y. <http://dx.doi.org/10.1007/s00125-012-2686-y>

McPherson, C. S., & Lawrence, A. J. (2005). Exposure to amphetamine in rats during periadolescence establishes behavioural and extrastriatal neural sensitization in adulthood. *International Journal of Neuropsychopharmacology*, doi:10.1017/S1461145705005845. doi.

McPherson, C. S., Mantamadiotis, T., Tan, S.-S., & Lawrence, A. J. (2009). Deletion of CREB1 from the Dorsal Telencephalon Reduces Motivational Properties of Cocaine. *Cerebral Cortex*, bhp159. doi: 10.1093/cercor/bhp159. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhp159v1>

McRae, P. A., Rocco, M. M., Kelly, G., Brumberg, J. C., & Matthews, R. T. (2007). Sensory Deprivation Alters Aggreca and Perineuronal Net Expression in the Mouse Barrel Cortex. *Journal of Neuroscience*, 27(20), 5405-5413. doi: 10.1523/jneurosci.5425-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/20/5405>

McTavish, K. J., Jimenez, M., Walters, K. A., Spaliviero, J., Groome, N. P., Themmen, A. P., . . . Allan, C. M. (2007). Rising Follicle-Stimulating Hormone Levels with Age Accelerate Female Reproductive Failure. *Endocrinology*, 148(9), 4432-4439. doi: 10.1210/en.2007-0046. <http://endo.endojournals.org/cgi/content/abstract/148/9/4432>

Medalla, M., & Barbas, H. (2006). Diversity of laminar connections linking periaqueductal and lateral intraparietal areas depends on cortical structure. *European Journal of Neuroscience*, 23(1), 161-179. doi: doi:10.1111/j.1460-9568.2005.04522.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04522.x>

Medalla, M., & Barbas, H. (2010). Anterior Cingulate Synapses in Prefrontal Areas 10 and 46 Suggest Differential Influence in Cognitive Control. *Journal of Neuroscience*, 30(48), 16068- 16081. doi: 10.1523/jneurosci.1773-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/48/16068>

Meerhoff, G. F., Vester, S. M., Hesseling, P., Klaassen, S. D., Cornelissen, A. S., Lucassen, P. J., & Joosen, M. J. A. (2018). Potentiation of antiseizure and neuroprotective efficacy of standard nerve agent treatment by addition of tariquidar. *Neurotoxicology*, 68, 167-176.

doi: <https://doi.org/10.1016/j.neuro.2018.08.005>.

<http://www.sciencedirect.com/science/article/pii/S0161813X18301943>

Mehlan, J., Brosig, H., Schmitt, O., Mix, E., Wree, A., & Hawlitschka, A. (2015). Intrastriatal injection of botulinum neurotoxin-A is not cytotoxic in rat brain—A histological and stereological analysis. *Brain Research*.

doi: <http://linkinghub.elsevier.com/retrieve/pii/S0006899315008446?via=sd>

Mehrabi, N. F., Singh-Bains, M. K., Waldvogel, H. J., & Faull, R. L. M. (2018). Stereological Methods to Quantify Cell Loss in the Huntington's Disease Human Brain. In S. V. Precious, A.

E. Rosser & S. B. Dunnett (Eds.), *Huntington's Disease* (pp. 1-16). New York, NY: Springer New York.

Mehrabian, Z., Guo, Y., Weinreich, D., & Bernstein, S. L. (2017). Oligodendrocyte death, neuroinflammation, and the effects of minocycline in a rodent model of nonarteritic anterior ischemic optic neuropathy (rNAION). doi.

<http://www.molvis.org/molvis/v23/963/>

Mehta, P., Premkumar, B., & Morris, R. (2016). Production of high quality brain-derived neurotrophic factor (BDNF) and tropomyosin receptor kinase B (TrkB) RNA from isolated populations of rat spinal cord motor neurons obtained by Laser Capture Microdissection (LCM). *Neuroscience Letters*.

doi: <http://dx.doi.org/10.1016/j.neulet.2016.05.063>. <http://www.sciencedirect.com/science/article/pii/S0304394016303937>

Mei, M., Zhou, Y., Liu, M., Zhao, F., Wang, C., Ding, J., . . . Hu, G. (2019). Antioxidant and anti-inflammatory effects of Dexrazoxane on dopaminergic neuron degeneration in rodent models of Parkinson's disease. *Neuropharmacology*, 107758.

doi: <https://doi.org/10.1016/j.neuropharm.2019.107758>.

<http://www.sciencedirect.com/science/article/pii/S002839081930317X>

Meier, F., Giesert, F., Delic, S., Faus-Kessler, T., Matheus, F., Simeone, A., . . . Prakash, N. (2014). FGF/FGFR2 Signaling Regulates the Generation and Correct Positioning of Bergmann Glia Cells in the Developing Mouse Cerebellum. *Plos one*, 9(7), e101124. doi: 10.1371/journal.pone.0101124. <http://dx.doi.org/10.1371%2Fjournal.pone.0101124>

Meinild Lundby, A.-K., Jacobs, R. A., Gehrig, S., de Leur, J., Hauser, M., Bonne, T. C., . . . Lundby, C. (2017). Exercise training increases skeletal muscle mitochondrial volume density by enlargement of existing mitochondria and not de novo biogenesis. *Acta Physiologica*, n/a-n/a. doi: 10.1111/apha.12905. <http://dx.doi.org/10.1111/apha.12905>

Meissner, A., Minnerup, J., Soria Rodriguez, G., & Planas, A. M. (2016). Structural and functional brain alterations in a murine model of Angiotensin II – induced hypertension. *Journal of Neurochemistry*, n/a-n/a. doi:

10.1111/jnc.13905. <http://dx.doi.org/10.1111/jnc.13905>

Meissner, J. N., Bouter, Y., & Bayer, T. A. (2014). Neuron Loss and Behavioral Deficits in the TBA42 Mouse Model Expressing N-Truncated Pyroglutamate Amyloid- β_{3-42} . *Journal of Alzheimer's Disease*. doi: 10.3233/jad-142868. <http://dx.doi.org/10.3233/JAD-142868>

Mejias-Aponte, C. A., Drouin, C., & Aston-Jones, G. (2009). Adrenergic and Noradrenergic Innervation of the Midbrain Ventral Tegmental Area and Retrorubral Field: Prominent Inputs from Medullary Homeostatic Centers. *Journal of Neuroscience*, 29(11), 3613-3626. doi: 10.1523/jneurosci.4632-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/11/3613>

Meka, D. P., Müller-Rischart, A. K., Nidadavolu, P., Mohammadi, B., Motori, E., Ponna, S. K., . . . Kramer, E. R. (2015). Parkin cooperates with GDNF/RET signaling to prevent dopaminergic neuron degeneration. *The Journal of Clinical Investigation*, 125(5), 0-0. doi: 10.1172/jci79300. <http://www.jci.org/articles/view/79300>

Melani, R., Chelini, G., Cenni, M. C., & Berardi, N. (2017). Enriched environment effects on remote object recognition memory. *Neuroscience*. doi: <http://doi.org/10.1016/j.neuroscience.2017.04.006>. <http://www.sciencedirect.com/science/article/pii/S0306452217302452>

Mellott, T. J., Kowall, N. W., Lopez-Coviella, I., & Blusztajn, J. K. (2007). Prenatal choline deficiency increases choline transporter expression in the septum and hippocampus during postnatal development and in adulthood in rats. *Brain Research*, 1151, 1-11. doi.

Melnikova, T., Park, D., Becker, L., Lee, D., Cho, E., Sayyida, N., . . . Savonenko, A. V. (2016). Sex-related dimorphism in dentate gyrus atrophy and behavioral phenotypes in an inducible tTa:APP ψ transgenic model of Alzheimer's disease. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.08.009>. <http://www.sciencedirect.com/science/article/pii/S0969996116301966>

Melrose, H. L., D'Amico, J. C., Behrouz, B., Lincoln, S. J., Yue, M., Hinkle, K. M., . . . others. (2010). Impaired dopaminergic neurotransmission and microtubule-associated protein tau alterations in human LRRK2 transgenic mice. *Neurobiology of Disease*, 40(3), 503-517. doi.

Melvin, N. R., & Sutherland, R. J. (2010). Quantitative Caveats of Standard Immunohistochemical Procedures: Implications for Optical Disector-based Designs. *Journal of Histochemistry and Cytochemistry*, 58(7), 577-584. doi: 10.1369/jhc.2009.954164. <http://www.jhc.org/cgi/content/abstract/58/7/577>

Mena-Segovia, J., Micklem, B. R., Nair-Roberts, R. G., Ungless, M. A., & Bolam, J. P. (2009). GABAergic neuron distribution in the pedunculopontine nucleus defines functional subterritories. *Journal of Comparative Neurology*, 515(4), 397-408. doi.

Mencarelli, C., Bode, G. H., Vlamings, R., Losen, M., Baets, M. H. D., Steinbusch, H. W. M., . . . Martinez-Martinez, P. (2011). Unchanged expression of the Ceramide transfer protein in the acute 6-OHDA neurodegenerative model. *Neuroscience Letters*. doi.

Mendez, I., Sanchez-Pernaute, R., Cooper, O., Vinuela, A., Ferrari, D., Bjorklund, L., . . . Isacson, O. (2005). Cell type analysis of functional fetal dopamine cell suspension transplants in the

striatum and substantia nigra of patients with Parkinson's disease. *Brain*, 128(7), 1498-1510. doi: 10.1093/brain/awh510. <http://brain.oxfordjournals.org/cgi/content/abstract/128/7/1498>

Mendez-Gomez, H. R., Singh, J., Meyers, C., Chen, W., Gorbatyuk, O. S., & Muzyczka, N. (2018). The Lipase Activity of Phospholipase D2 is Responsible for Nigral Neurodegeneration in a Rat Model of Parkinson's Disease. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.02.047>. <https://www.sciencedirect.com/science/article/pii/S0306452218301726>

Mendieta, L., Granado, N., Aguilera, J., Tizabi, Y., & Moratalla, R. (2016). Fragment C domain of tetanus toxin mitigates methamphetamine neurotoxicity and its motor consequences in mice. [10.1093/ijnp/pyw021]. *International Journal of Neuropsychopharmacology*. doi: <http://ijnp.oxfordjournals.org/content/early/2016/03/02/ijnp.pyw021.abst...>

Mendoza-Torreblanca, J. G., Martínez-Martínez, E., Tapia-Rodríguez, M., Ramírez-Hernández, R., & Gutiérrez-Ospina, G. (2008). The rostral migratory stream is a neurogenic niche that predominantly engenders periglomerular cells: In vivo evidence in the adult rat brain. *Neuroscience Research*, 60(3), 289-299. doi.

Menéndez, L., Insua, D., Rois, J. L., Santamarina, G., Suárez ML, & Peşini, P. (2006). The immunohistochemical localization of neuronal nitric oxide synthase in the basal forebrain of the dog. *Journal of Chemical Neuroanatomy*, 31(3), 200-209. doi.

Menezes, E. C., Bittle, J., Stevens, H. E., Dailey, M., Spitz, D. R., & McCormick, M. L. (2019). The Role of Redox Dysregulation in the Effects of Prenatal Stress on Embryonic Interneuron Migration. doi: 10.1093/cercor/bhz052. <https://doi.org/10.1093/cercor/bhz052>

Meng, L., Huang, T., Sun, C., Hill, D. L., & Krimm, R. (2017). BDNF is required for taste axon regeneration following unilateral chorda tympani nerve section. *Experimental Neurology*, 293, 27-42. doi: <http://dx.doi.org/10.1016/j.expneurol.2017.03.016>. <http://www.sciencedirect.com/science/article/pii/S0014488617300766>

Meng, L., Ohman-Gault, L., Ma, L., & Krimm, R. F. (2015). Taste bud-derived BDNF is required to maintain normal amounts of innervation to adult taste buds. [10.1523/ENEURO.0097-15.2015]. *eneuro*. doi. <http://eneuro.org/content/early/2015/12/22/ENEURO.0097-15.2015.abstract>

Meng, L., Ohman-Gault, L., Ma, L., & Krimm, R. F. (2015). Taste bud-derived BDNF is required to maintain normal amounts of innervation to adult taste buds. [10.1523/ENEURO.0097-15.2015]. *eneuro*. doi. <http://eneuro.org/content/early/2015/12/22/ENEURO.0097-15.2015.abstract>

Menino, J. F., Osório, N. S., Sturme, M. H. J., Barros, D., Gomes-Alves, A. G., Almeida, A. J., ... Rodrigues, F. (2011). Morphological heterogeneity of *Paracoccidioides brasiliensis*: relevance of the Rho-like GTPase PbCDC42. *Medical Mycology*, (0), 1-7. doi.

Menna, E., Cenni, M. C., Naska, S., & Maffei, L. (2003). The anterogradely transported BDNF promotes retinal axon remodeling during eye specific segregation within the LGN. *Molecular and Cellular Neuroscience*, 24(4), 972-983. doi.

Mercado, N. M., Stancati, J. A., Sortwell, C. E., Mueller, R. L., Boezwinkle, S. A., Duffy, M. F., . . . Steece-Collier, K. (2021). The BDNF Val66Met polymorphism (rs6265) enhances dopamine neuron graft efficacy and side-effect liability in rs6265 knock-in rats. *Neurobiology of Disease*, 148, 105175. doi: <https://doi.org/10.1016/j.nbd.2020.105175>.
<http://www.sciencedirect.com/science/article/pii/S0969996120304502>

Mercantepe, F., Mercantepe, T., Topcu, A., Yilmaz, A., & Tumkaya, L. (2018). Protective effects of amifostine, curcumin, and melatonin against cisplatin-induced acute kidney injury. [journal article]. *Naunyn-Schmiedeberg's archives of pharmacology*. doi: 10.1007/s00210-018-1514-4. <https://doi.org/10.1007/s00210-018-1514-4>

Mercantepe, T., Tmkaya, L., & Mercantepe, F. (2019). Effects of Infliximab against Methotrexate Toxicity in Splenic Tissue via the Regulation of CD3, CD68, and C200R in Rats. *Cells Tissues Organs*. doi: 10.1159/000500905. <https://www.karger.com/DOI/10.1159/000500905>

Mercantepe, T., Unal, D., Selli, J., Mercantepe, F., Unal, B., & Karabiyik, T. N. (2016). Protective effects of estrogen and bortezomib in kidney tissue of post-menopausal rats: an ultrastructural study. *Renal Failure*, 1-7. doi: 10.1080/0886022x.2016.1184958. <http://dx.doi.org/10.1080/0886022X.2016.1184958>

Merch, aacute, n-P, eacute, rez, A., Rodriguez, J., . . . Defelipe, J. (2009). Counting Synapses Using FIB/SEM Microscopy: A True Revolution for Ultrastructural Volume Reconstruction (Vol. 3).

Merchan-Perez, A., Rodriguez, J. R., Alonso-Nanclares, L., Schertel, A., & DeFelipe, J. (2009). Counting synapses using FIB/SEM microscopy: a true revolution for ultrastructural volume reconstruction. *Frontiers in Neuroanatomy*, 3. doi.

Merchan-Perez, A., Rodriguez, J.-R., Ribak, C. E., & DeFelipe, J. (2009). Proximity of excitatory and inhibitory axon terminals adjacent to pyramidal cell bodies provides a putative basis for nonsynaptic interactions. *Proceedings of the National Academy of Sciences*, 106(24), 9878- 9883. doi: 10.1073/Proceedings of the National Academy of Sciences.0900330106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/24/9878.abstract>

Meredith, G., Dervan, A., & Totterdell, S. (2005). Activated microglia persist in the substantia nigra of a chronic MPTP mouse model of Parkinson's disease. *Basal Ganglia*, 15(3), 341-347. doi.

Meredith, G. E., Totterdell, S., Beales, M., & Meshul, C. K. (2009). Impaired glutamate homeostasis and programmed cell death in a chronic MPTP mouse model of Parkinson's disease. *Experimental Neurology*, 219(1), 334-340. doi.

Meredith, G. E., Totterdell, S., Petroske, E., Santa Cruz, K., Callison, R. C., Lau, Y. S., & others. (2002). Lysosomal malfunction accompanies alpha-synuclein aggregation in a progressive mouse model of Parkinson's disease. *Brain Research*, 956(1), 156-165. doi.

Meredith, G. E., Totterdell, S., Potashkin, J. A., & Surmeier, D. J. (2008). Modeling PD pathogenesis in mice: advantages of a chronic MPTP protocol. *Parkinsonism and Related Disorders*, 14, S112-S115. doi.

Merino-Serrais, P., Knafo, S., Alonso-Nanclares, L., Fernaud-Espinosa, I., & DeFelipe, J. (2010). Layer-specific alterations to CA1 dendritic spines in a mouse model of Alzheimer's disease. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.20861.
<http://dx.doi.org/10.1002/hipo.20861>

Merrill, D. A., Chiba, A. A., & Tuszynski, M. H. (2001). Conservation of neuronal number and size in the entorhinal cortex of behaviorally characterized aged rats. *Journal of Comparative Neurology*, 438(4), 445-456. doi.

Merrill, D. A., Karim, R., Darraq, M., Chiba, A. A., & Tuszynski, M. H. (2003). Hippocampal cell genesis does not correlate with spatial learning ability in aged rats. *Journal of Comparative Neurology*, 459(2), 201-207. doi.

Merrill, D. A., Masliah, E., Roberts, J. A., McKay, H., Kordower, J. H., Mufson, E. J., & Tuszynski, M. H. (2011). Association of early experience with neurodegeneration in aged primates. *Neurobiology of Aging*, 32(1), 151-156. doi.

Merrill, D. A., Roberts, J. A., & Tuszynski, M. H. (2000). Conservation of neuron number and size in entorhinal cortex layers II, III, and V/VI of aged primates. *Journal of Comparative Neurology*, 422(3), 396-401. doi.

Meskenaite, V., Krackow, S., & Lipp, H.-P. (2016). Age-dependent neurogenesis and neuron numbers within the olfactory bulb and hippocampus of homing pigeons. [Original Research]. *Frontiers in Behavioral Neuroscience*, 10. doi: 10.3389/fnbeh.2016.00126.
http://www.frontiersin.org/Journal/Abstract.aspx?s=99&name=behavioral_ne...

Mesulam, M., Shaw, P., Mash, D., & Weintraub, S. (2004). Cholinergic nucleus basalis tauopathy emerges early in the aging-MCI-AD continuum. *Annals of Neurology*, 55(6), 815- 828. doi.

Mesulam, M., Wicklund, A., Johnson, N., Rogalski, E., Léger, G. C., Rademaker, A., . . . Bigio, E. H. (2008). Alzheimer and frontotemporal pathology in subsets of primary progressive aphasia. *Annals of Neurology*, 63(6), 709-719. doi.

Mesulam, M. M., Guillozet, A., Shaw, P., Levey, A., Duysen, E. G., & Lockridge, O. (2002). Acetylcholinesterase knockouts establish central cholinergic pathways and can use butyrylcholinesterase to hydrolyze acetylcholine. *Neuroscience*, 110(4), 627-639. doi.

Mészáros, L., Riemenschneider, M. J., Gassner, H., Marxreiter, F., von Hörsten, S., Hoffmann, A., & Winkler, J. (2021). Human alpha-synuclein overexpressing MBP29 mice mimic functional and structural hallmarks of the cerebellar subtype of multiple system atrophy.

Acta Neuropathologica Communications, 9(1), 68. doi: 10.1186/s40478-021-01166-x. <https://doi.org/10.1186/s40478-021-01166-x>

Metcalf, B. M., Mullaney, B. C., Johnston, M. V., & Blue, M. E. (2006). Temporal shift in methyl- CpG binding protein 2 expression in a mouse model of Rett syndrome. *Neuroscience*, 139(4), 1449-1460. doi.

Methippara, M., Bashir, T., Suntsova, N., Szymusiak, R., & McGinty, D. (2010). Hippocampal adult neurogenesis is enhanced by chronic eszopiclone treatment in rats. *Journal of Sleep Research*, 19(3), 384-393. doi.

Meurer, Y. d. S. R., Brito, R. M. d. M., da Silva, V. P., Andade, J. M. d. A., Linhares, S. S. G., Pereira Junior, A., . . . Oliveira, C. B. S. d. (2020). Toxoplasma gondii infection damages the perineuronal nets in a murine model. *Memorias do Instituto Oswaldo Cruz*, 115. doi. http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0074-02762020000...

Meyer, A., Wree, A., Günther, R., Holzmann, C., Schmitt, O., Rolfs, A., & Witt, M. (2017). Increased Regenerative Capacity of the Olfactory Epithelium in Niemann–Pick Disease Type C1. *International Journal of Molecular Sciences*, 18(4), 777. doi. <http://www.mdpi.com/1422-0067/18/4/777>

Meyer, U., Engler, A., Weber, L., Schedlowski, M., & Feldon, J. (2008). Preliminary evidence for a modulation of fetal dopaminergic development by maternal immune activation during pregnancy. *Neuroscience*, 154(2), 701-709. doi.

Meyer, U., Knuesel, I., Nyffeler, M., & Feldon, J. (2010). Chronic clozapine treatment improves prenatal infection-induced working memory deficits without influencing adult hippocampal neurogenesis. *Psychopharmacology*, 208(4), 531-543. doi.

Meyer, U., Nyffeler, M., Engler, A., Urwyler, A., Schedlowski, M., Knuesel, I., . . . Feldon, J. (2006). The Time of Prenatal Immune Challenge Determines the Specificity of Inflammation- Mediated Brain and Behavioral Pathology. *Journal of Neuroscience*, 26(18), 4752-4762. doi: 10.1523/jneurosci.0099-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/18/4752>

Mi, X.-S., Feng, Q., Lo, A., Chang, R., Chung, S., & So, K.-F. (2020). Lycium barbarum polysaccharides related RAGE and A β levels in the retina of mice with acute ocular hypertension and promote maintenance of blood retinal barrier. [Research Article]. *Neural Regeneration Research*, 15(12), 2344-2352. doi: 10.4103/1673-5374.284998. <http://www.nrronline.org/article.asp?issn=1673-5374;year=2020;volume=15;...>

Mi, X.-S., Feng, Q., Lo, A. C. Y., Chang, R. C.-C., Lin, B., Chung, S. K., & So, K.-F. (2012). Protection of Retinal Ganglion Cells and Retinal Vasculature by Lycium Barbarum Polysaccharides in a Mouse Model of Acute Ocular Hypertension. *Plos one*, 7(10), e45469. doi: 10.1371/journal.pone.0045469. <http://dx.doi.org/10.1371%2Fjournal.pone.0045469>

Mi, X.-S., Zhang, X., Feng, Q., Lo, A. C. Y., Chung, S. K., & So, K.-F. (2012). Progressive retinal degeneration in transgenic mice with over-expression of endothelin-1 in vascular

endothelial cells. *Investigative Ophthalmology and Visual Science*. doi: 10.1167/iops.12- 9999. <http://www.iops.org/content/early/2012/06/20/iops.12-9999.abstract>

Mi, Z., Abrahamson, E. E., Ryu, A. Y., Fish, K. N., Sweet, R. A., Mufson, E. J., & Ikonomic, M. D. (2017). Loss of precuneus dendritic spines immunopositive for spinophilin is related to cognitive impairment in early Alzheimer's disease. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2017.01.022>. <http://www.sciencedirect.com/science/article/pii/S0197458017300301>

Miao, S.-H., Sun, H.-B., Ye, Y., Yang, J.-J., Shi, Y.-W., Lu, M., . . . Zhou, J.-W. (2014). Astrocytic JWA Expression is Essential to Dopaminergic Neuron Survival in the Pathogenesis of Parkinson's Disease. *CNS Neuroscience & Therapeutics*, n/a-n/a. doi: 10.1111/cns.12249. <http://dx.doi.org/10.1111/cns.12249>

Michaeli, S., Oz, G., Sorce, D. J., Garwood, M., Ugurbil, K., Majestic, S., & Tuite, P. (2007). Early treatment benefits of ropinirole prolonged release in Parkinson's disease patients with motor fluctuations. *Movement Disorders*, 22(3), 334-340. doi.

Michaëlsson, H., Andersson, M., Svensson, J., Karlsson, L., Ehn, J., Culley, G., . . . Seth, H. (2018). The novel antidepressant ketamine enhances dentate gyrus proliferation with no effects on synaptic plasticity or hippocampal function in depressive-like rats. *Acta Physiologica, O(ja)*, e13211. doi: doi:10.1111/apha.13211. <https://onlinelibrary.wiley.com/doi/abs/10.1111/apha.13211>

Michaud, J. P., Richard, K. L., Rivest, S., & others. (2011). MyD88-adaptor protein acts as a preventive mechanism for memory deficits in a mouse model of Alzheimer's disease. *Molecular Neurodegeneration*, 6(1), 5-5. doi.

Michaud, J.-P., Pimentel-Coelho, P. M., Tremblay, Y., & Rivest, S. (2014). The impact of Ly6Clow monocytes after cerebral hypoxia-ischemia in adult mice. *Journal of Cerebral Blood Flow and Metabolism*. doi. <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm201480a.html>

Middei, S., Spalloni, A., Longone, P., Pittenger, C., O'Mara, S. M., Marie, H., & Ammassari-Teule, M. (2012). CREB selectively controls learning-induced structural remodeling of neurons. *Learning and Memory*, 19(8), 330-336. doi: 10.1101/lm.025817.112. <http://learnmem.cshlp.org/content/19/8/330.abstract>

Miettinen, R., Hajszan, T., Riedel, A., Szigeti-Buck, K., & Leranth, C. (2012). Estimation of the total number of hippocampal CA1 pyramidal neurons: New methodology applied to helpless rats. *Journal of Neuroscience Methods*. doi.

Miettinen, R., Riedel, A., Kalesnykas, G., Kettunen, H. P., Puolivali, J., Soininen, H., & Arendt, T. (2005). Reelin-immunoreactivity in the hippocampal formation of 9-month-old wildtype mouse: effects of APP/PS1 genotype and ovariectomy. *Journal of Chemical Neuroanatomy*, 30(2-3), 105-118. doi.

Miettinen, R. A., Kalesnykas, G., & Koivisto, E. H. (2002). Estimation of the Total Number of Cholinergic Neurons Containing Estrogen Receptor- α in the Rat Basal Forebrain. *Journal of Histochemical Cytochemistry*, 50(7), 891-902. doi.

Migdalska-Richards, A., Wegrzynowicz, M., Rusconi, R., Deangeli, G., Di Monte, D. A., Spillantini, M. G., & Schapira, A. H. (2017). The L444P Gba1 mutation enhances alpha-synuclein induced loss of nigral dopaminergic neurons in mice. *Brain*. doi: <https://academic.oup.com/brain/article/doi/10.1093/brain/awx221/4106291/...>

Miguel-Hidalgo, J., Moulana, M., Booker, N., & Rajkowska, G. (2017). 512 - shRNA-Based Suppression of Connexin 43 and Low Packing Density of Connexin 43 Immunoreactive Aggregates are Associated with Depression-Like Behavior in Rats. *Biological Psychiatry*, 81(10, Supplement), S208. doi: <https://doi.org/10.1016/j.biopsych.2017.02.1120>. <http://www.sciencedirect.com/science/article/pii/S0006322317312428>

Miguel-Hidalgo, J., Moulana, M., Deloach, P., & Rajkowska, G. (2018). F103. Reduced Extent of Myelin Basic Protein Immunoreactivity in Rat Prelimbic and Orbitofrontal Cortices After Chronic Unpredictable Stress and its Correlation With Connexin 43 and Connexin 30. *Biological Psychiatry*, 83(9), S277-S278. doi: 10.1016/j.biopsych.2018.02.716. <http://dx.doi.org/10.1016/j.biopsych.2018.02.716>

Miguel-Hidalgo, J. J. (2005). Lower Packing Density of Glial Fibrillary Acidic Protein-Immunoreactive Astrocytes in the Prelimbic Cortex of Alcohol-Naive and Alcohol-Drinking Alcohol-Preferring Rats as Compared With Alcohol-Nonpreferring and Wistar Rats. *Alcoholism: Clinical and Experimental Research*, 29(5), 766-772. doi.

Miguel-Hidalgo, J. J. (2006). Withdrawal From Free-choice Ethanol Consumption Results In Increased Packing Density Of Glutamine Synthetase-Immunoreactive Astrocytes In The Prelimbic Cortex Of Alcohol-Preferring Rats. *Alcohol and Alcoholism*, 41, 379-385. doi.

Miguel-Hidalgo, J. J., Dubey, P., Shao, Q., Stockmeier, C., & Rajkowska, G. (2005). Unchanged packing density but altered size of neurofilament immunoreactive neurons in the prefrontal cortex in schizophrenia and major depression. *Schizophrenia Research*, 76(2), 159-171. doi.

Miguel-Hidalgo, J. J., Jiang, W., Konick, L., Overholser, J. C., Jurjus, G. J., Stockmeier, C. A., . . . Rajkowska, G. (2012). Morphometric analysis of vascular pathology in the orbitofrontal cortex of older subjects with major depression. *International Journal of Geriatric Psychiatry*, n/a- n/a. doi: 10.1002/gps.3911. <http://dx.doi.org/10.1002/gps.3911>

Miguel-Hidalgo, J. J., Whittom, A., Villarreal, A., Soni, M., Meshram, A., Pickett, J. C., . . . Stockmeier, C. A. (2014). Apoptosis-related proteins and proliferation markers in the orbitofrontal cortex in major depressive disorder. *Journal of Affective Disorders*, (0). doi: <http://dx.doi.org/10.1016/j.jad.2014.02.010>. <http://www.sciencedirect.com/science/article/pii/S016503271400041X>

Miguel-Hidalgo, J. J., Wilson, B. A., Hussain, S., Meshram, A., Rajkowska, G., & Stockmeier, C. A. (2014). Reduced Connexin 43 Immunolabeling in the Orbitofrontal Cortex in Alcohol

Dependence and Depression. Journal of Psychiatric Research, (0).

doi: <http://dx.doi.org/10.1016/j.jpsychires.2014.04.007>. <http://www.sciencedirect.com/science/article/pii/S0022395614001137>

Miguel-Hidalgo, J. J., Wilson, B. A., Hussain, S., Meshram, A., Rajkowska, G., & Stockmeier, C. A. (2014). Reduced Connexin 43 Immunolabeling in the Orbitofrontal Cortex in Alcohol Dependence and Depression. *Journal of Psychiatric Research*, (0).

doi: <http://dx.doi.org/10.1016/j.jpsychires.2014.04.007>. <http://www.sciencedirect.com/science/article/pii/S0022395614001137>

Mijatovic, J., Airavaara, M., Planken, A., Auvinen, P., Raasmaja, A., Piepponen, T. P., . . . Saarma, M. (2007). Constitutive Ret Activity in Knock-In Multiple Endocrine Neoplasia Type B Mice Induces Profound Elevation of Brain Dopamine Concentration via Enhanced Synthesis and Increases the Number of TH-Positive Cells in the Substantia Nigra. *Journal of Neuroscience*, 27(18), 4799-4809. doi: 10.1523/jneurosci.5647-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/18/4799>

Mijatovic, J., Piltonen, M., Alberton, P., Männistö, P. T., Saarma, M., & Piepponen, T. P. (2011). Constitutive Ret signaling is protective for dopaminergic cell bodies but not for axonal terminals. *Neurobiology of Aging*, 32(8), 1486-1494. doi.

Mikhail, F., Calingasan, N., Parolari, L., Subramanian, A., Yang, L., & Beal, M. F. (2015). Lack of exacerbation of neurodegeneration in a double transgenic mouse model of mutant LRRK2 and tau. *Human Molecular Genetics*. doi: 10.1093/hmg/ddv105.

<http://hmg.oxfordjournals.org/content/early/2015/03/24/hmg.ddv.105.abstract>

Mikhailova, A., Sunkara, N., & McQuillen, P. S. (2017). Unbiased Quantification of Subplate Neuron Loss following Neonatal Hypoxia-Ischemia in a Rat Model. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/Abstract/460815>

Mikkonen, M., Pitkänen, A., Soininen, H., Alafuzoff, I., & Miettinen, R. (2000). Morphology of spiny neurons in the human entorhinal cortex: intracellular filling with lucifer yellow. *Neuroscience*, 96(3), 515-522. doi.

Mikrogeorgiou, A., Sato, Y., Kondo, T., Hattori, T., Sugiyama, Y., Ito, M., . . . Kazama, T. (2017). Dedifferentiated Fat Cells as a Novel Source for Cell Therapy to Target Neonatal Hypoxic- Ischemic Encephalopathy. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/Abstract/455836>

Milanese, C., Cerri, S., Ulusoy, A., Gornati, S. V., Plat, A., Gabriels, S., . . . Mastroberardino, P. G. (2018). Activation of the DNA damage response in vivo in synucleinopathy models of Parkinson's disease. *Cell death & disease*, 9(8), 818. doi: 10.1038/s41419-018-0848-7. <https://doi.org/10.1038/s41419-018-0848-7>

Milanese, C., Gabriels, S., Barnhoorn, S., Cerri, S., Ulusoy, A., Gornati, S. V., . . . Mastroberardino, P. G. (2020). Gender biased neuroprotective effect of Transferrin Receptor 2 deletion in multiple models of Parkinson's disease. *Cell Death and Differentiation*. doi: 10.1038/s41418-020-00698-4. <https://doi.org/10.1038/s41418-020-00698-4>

Milanesi, C., Tapias, V., Gabriels, S., Cerri, S., Levandis, G., Blandini, F., . . . Mastroberardino, P. G. (2017). Mitochondrial complex I reversible S-nitrosation improves bioenergetics and is protective in Parkinson's disease. *Antioxidants & redox signaling*. doi: 10.1089/ars.2017.6992. <https://doi.org/10.1089/ars.2017.6992>

Milatovic, D., Zaja-Milatovic, S., Montine, K. S., Horner, P. J., & Montine, T. J. (2003). Pharmacologic suppression of neuronal oxidative damage and dendritic degeneration following direct activation of glial innate immunity in mouse cerebrum. *Journal of Neurochemistry*, 87(6), 1518-1526. doi: doi:10.1046/j.1471-4159.2003.02120.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.02120.x>

Mildner, A., Schlevogt, B., Kierdorf, K., Böttcher, C., Erny, D., Kummer, M. P., . . . Prinz, M. (2011). Distinct and Non-Redundant Roles of Microglia and Myeloid Subsets in Mouse Models of Alzheimer's Disease. *Journal of Neuroscience*, 31(31), 11159-11171. doi: 10.1523/jneurosci.6209-10.2011. <http://www.jneurosci.org/content/31/31/11159.abstract>

Milewski, W. M., Temple, K. A., Wesselschmidt, R. L., & Hara, M. (2009). Generation of embryonic stem cells from mouse insulin I promoter-green fluorescent protein transgenic mice and characterization in a teratoma model. *In Vitro Cellular and Developmental Biology-Animal*, 45(1), 1-5. doi.

Miller, A. N., Deal, D., Green, J., Houle, T., Brown, W., Thore, C., . . . Webb, L. X. (2016). Use of the Reamer/Irrigator/Aspirator Decreases Carotid and Cranial Embolic Events in a Canine Model. [10.2106/JBJS.14.01176]. *The Journal of Bone & Joint Surgery*, 98(8), 658-664. doi. <http://jbjs.org/content/98/8/658.abstract>

Miller, B. R., Dorner, J. L., Shou, M., Sari, Y., Barton, S. J., Sengelaub, D. R., . . . Rebec, G. V. (2008). Up-regulation of GLT1 expression increases glutamate uptake and attenuates the Huntington's disease phenotype in the R6/2 mouse. *Neuroscience*, 153(1), 329-337. doi.

Miller, C. T., Dimauro, A., Pistorio, A., Hendry, S., & Wang, X. (2010). Vocalization induced cFos expression in marmoset cortex. *Frontiers in Integrative Neuroscience*, 4. doi.

Miller, D. J., Duka, T., Stimpson, C. D., Schapiro, S. J., Baze, W. B., McArthur, M. J., . . . Sherwood, C. C. (2012). Prolonged myelination in human neocortical evolution. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1117943109. <http://www.pnas.org/content/early/2012/09/18/1117943109.abstract>

Miller, D. J., Lackey, E. P., Hackett, T. A., & Kaas, J. H. (2013). Development of myelination and cholinergic innervation in the central auditory system of a prosimian primate (*Otolemur garnetti*). *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23379. <http://dx.doi.org/10.1002/cne.23379>

Miller, J. P., McAuley, J. D., & Pang, K. C. H. (2005). Spontaneous *fos* expression in the suprachiasmatic nucleus of young and old mice. *Neurobiology of Aging*, 26(7), 1107-1115. doi.

Miller, K., Kim, A., Kilimnik, G., Jo, J., Moka, U., Periwai, V., & Hara, M. (2009). Islet formation during the neonatal development in mice. *PLoS ONE*, 4(11), e7739-e7739. doi.

Miller, P. B., S.Charleston, J., E.Battaglia, D., A.Klein, N., & R.Soules, i. (1999). Morphometric Analysis of Primordial Follicle Number in Pigtailed Monkey Ovaries: Symmetry and Relationship with Age. *Biology of Reproduction*, 61, 553-556. doi.

Miller, S. L., Aroniadou-Anderjaska, V., Figueiredo, T. H., Prager, E. M., Almeida-Suhett, C. P., Aplan, J. P., & Braga, M. F. M. (2015). A rat model of nerve agent exposure applicable to the pediatric population: The anticonvulsant efficacies of atropine and GluK1 antagonists.

Toxicology and Applied Pharmacology, (o).

doi: <http://dx.doi.org/10.1016/j.taap.2015.02.008>.

<http://www.sciencedirect.com/science/article/pii/S0041008X15000599>

Mills, J. D., Bailes, J. E., Turner, R. C., Dodson, S. C., Sakai, J., & Maroon, J. C. (2012). Anabolic Steroids and Head Injury. *Neurosurgery*, 70(1), 205-205. doi.

Mills, J. D., Hadley, K., & Bailes, J. E. (2011). Dietary supplementation with the omega-3 fatty acid docosahexaenoic acid in traumatic brain injury. *Neurosurgery*, 68(2), 474-474. doi.

Milner, E., Holtzman, J. C., Friess, S., Hartman, R. E., Brody, D. L., Han, B. H., & Zipfel, G. J. (2014). Endovascular perforation subarachnoid hemorrhage fails to cause Morris water maze deficits in the mouse. *Journal of Cerebral Blood Flow and Metabolism*.

doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2014108a.html>

Milnerwood, A. J., Parsons, M. P., Young, F. B., Singaraja, R. R., Franciosi, S., Volta, M., . . . Raymond, L. A. (2013). Memory and synaptic deficits in Hip14/DHHC17 knockout mice. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1222384110.

<http://www.pnas.org/content/early/2013/11/20/1222384110.abstract>

Milosevic, J., Maisel, M., Wegner, F., Leuchtenberger, J., Wenger, R. H., Gerlach, M., . . . Schwarz, J. (2007). Lack of Hypoxia-Inducible Factor-1 α Impairs Midbrain Neural Precursor Cells Involving Vascular Endothelial Growth Factor Signaling. *Journal of Neuroscience*, 27(2), 412-421. doi: 10.1523/jneurosci.2482-

06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/2/412>

Minakaki, G., Canneva, F., Chevessier, F., Bode, F., Menges, S., Timotius, I. K., . . . Klucken, J. (2018). Treadmill exercise intervention improves gait and postural control in alpha-synuclein mouse models without inducing cerebral autophagy. *Behavioural Brain Research*.

doi: <https://doi.org/10.1016/j.bbr.2018.11.035>.

<http://www.sciencedirect.com/science/article/pii/S016643281830754X>

Mineharu, Y., Muhammad, A. K. M., Yagiz, K., Candolfi, M., Kroeger, K., Xiong, W., . . . Castro, M. (2012). Gene Therapy-Mediated Reprogramming Tumor Infiltrating T Cells Using IL-2 and Inhibiting NF- κ B Signaling Improves the Efficacy of Immunotherapy in a Brain Cancer Model. *Neurotherapeutics*, 1-17. doi: 10.1007/s13311-012-0144-7.

<http://dx.doi.org/10.1007/s13311-012-0144-7>

Minelli, A., Conte, C., Prudenzi, E., Cacciatore, I., Cornacchia, C., Taha, E., & Pinnen, F. (2010). N-Acetyl-L-Methionyl-L-Dopa-Methyl Ester as a dual acting drug that relieves L-Dopa- induced oxidative toxicity. *Free Radical Biology and Medicine*, 49(1), 31-39. doi.

Mineo, D., Cacace, F., Mancini, M., Vannelli, A., Campanelli, F., Natale, G., . . . Ghiglieri, V. (2019). Dopamine drives binge-like consumption of a palatable food in experimental Parkinsonism. *Movement Disorders*, 0(0). doi: 10.1002/mds.27683. <https://onlinelibrary.wiley.com/doi/abs/10.1002/mds.27683>

Minnich, J. E., Mann, S. L., Stock, M., Stolzenbach, K. A., Mortell, B. M., Soderstrom, K. E., . . . Kozlowski, D. A. (2010). Glial cell line-derived neurotrophic factor (GDNF) gene delivery protects cortical neurons from dying following a traumatic brain injury. *Restorative Neurology and Neuroscience*, 28(3), 293-309. doi.

Minter, M. R., Hinterleitner, R., Meisel, M., Zhang, C., Leone, V., Zhang, X., . . . Sisodia, S. S. (2017). Antibiotic-induced perturbations in microbial diversity during post-natal development alters amyloid pathology in an aged APP(SWE)/PS1(A9) murine model of Alzheimer's disease. *Scientific Reports*, 7, 10411. doi: 10.1038/s41598-017-11047-w. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5585265/>

Minter, M. R., Zhang, C., Leone, V., Ringus, D. L., Zhang, X., Oyler-Castrillo, P., . . . Sisodia, S. S. (2016). Antibiotic-induced perturbations in gut microbial diversity influences neuro-inflammation and amyloidosis in a murine model of Alzheimer's disease. [Article]. *Scientific Reports*, 6, 30028. doi: 10.1038/srep30028

<http://www.nature.com/articles/srep30028#supplementary-information>. <http://dx.doi.org/10.1038/srep30028>

Mirochnic, S., Wolf, S., Staufienbiel, M., & Kempermann, G. (2009). Age effects on the regulation of adult hippocampal neurogenesis by physical activity and environmental enrichment in the APP23 mouse model of Alzheimer disease. *Hippocampus*, 19(10), 1008- 1018. doi.

Mirza, M. K., Yuan, J., Gao, X.-P., Garrean, S., Brovkovich, V., Malik, A. B., . . . Zhao, Y.-Y. (2010). Caveolin-1 Deficiency Dampens Toll-Like Receptor 4 Signaling through eNOS Activation. *American Journal of Pathology*, 176(5), 2344-2351. doi: 10.2353/ajpath.2010.091088. <http://ajp.amjpathol.org/cgi/content/abstract/176/5/2344>

Misheneva, V., McFarland, R., Jouroukhin, Y., Severance, E., Yolken, R., & Pletnikov, M. (2018). F101. Animal Models of Mood Disorders and the Evaluation of Probiotics. *Biological Psychiatry*, 83(9), S276-S277. doi: 10.1016/j.biopsych.2018.02.714. <http://dx.doi.org/10.1016/j.biopsych.2018.02.714>

Mishizen-Eberz, A. J., Rissman, R. A., Carter, T. L., Ikonovic, M. D., Wolfe, B. B., & Armstrong, D. M. (2004). Biochemical and molecular studies of NMDA receptor subunits NR1/2A/2B in hippocampal subregions throughout progression of Alzheimer's disease pathology. *Neurobiology of Disease*, 15(1), 80-92. doi.

Mishra, S., Roy, T. S., & Wadhwa, S. (2017). Morphological and Morphometrical Maturation of Ventral Cochlear Nucleus in Human Foetus. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2017.03.002>. <http://www.sciencedirect.com/science/article/pii/S0891061816302873>

Misra, A., Kondaveeti, P., Nissanov, J., Barbee, K., Shewokis, P., Rioux, L., & Moxon, K. (2013). Preventing neuronal damage and inflammation in vivo during cortical microelectrode implantation through the use of Poloxamer P-188. *Journal of Neural Engineering*, 10(1), 016011. doi.

Mitchell, T. W., Mufson, E. J., Schneider, J. A., Cochran, E. J., Nissanov, J., Han, L. Y., . . . others. (2002). Parahippocampal tau pathology in healthy aging, mild cognitive impairment, and early Alzheimer's disease. *Annals of Neurology*, 51(2), 182-189. doi.

Mitchell, T. W., Nissanov, J., Han, L. Y., Mufson, E. J., Schneider, J. A., Cochran, E. J., . . . Arnold, S. E. (2000). Novel Method to Quantify Neuropil Threads in Brains from Elders With or Without Cognitive Impairment. *Journal of Histochemistry and Cytochemistry*, 48(12), 1627- 1638. doi.

Mitra, A., Lenglos, C., & Timofeeva, E. (2014). Inhibition in the lateral septum increases sucrose intake and decreases anorectic effects of stress. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12798. <http://dx.doi.org/10.1111/ejn.12798>

Mitra, R., Sundlass, K., Parker, K. J., Schatzberg, A. F., & Lyons, D. M. (2006). Social stress- related behavior affects hippocampal cell proliferation in mice. *Physiology and Behavior*, 89(2), 123-127. doi.

Mitra, S., Chakrabarti, N., & Bhattacharyya, A. (2011). Differential regional expression patterns of α -synuclein, TNF- α , and IL-1 β and variable status of dopaminergic neurotoxicity in mouse brain after Paraquat treatment. *Journal of neuroinflammation*, 8(1), 163-163. doi.

Mitrasinovic, O. M., Murphy, G. M., & others. (2003). Microglial overexpression of the M-CSF receptor augments phagocytosis of opsonized A [beta]. *Neurobiology of Aging*, 24(6), 807- 815. doi.

Mittelman-Smith, M. A., Krajewski-Hall, S. J., McMullen, N. T., & Rance, N. E. (2015). Neurokinin 3 Receptor-Expressing Neurons in the Median Preoptic Nucleus Modulate Heat-Dissipation Effectors in the Female Rat. *Endocrinology*, 0(0), en.2014-1974. doi: doi:10.1210/en.2014- 1974. <http://press.endocrine.org/doi/abs/10.1210/en.2014-1974>

Miyamoto, D., Iijima, M., Yamamoto, H., Nomura, H., & Matsuki, N. (2011). Behavioural effects of antidepressants are dependent and independent on the integrity of the dentate gyrus. *International Journal of Neuropsychopharmacology*, 14(07), 967-976. doi: doi:10.1017/S1461145710001276. <http://dx.doi.org/10.1017/S1461145710001276>

Mizukami, K., Abrahamson, E. E., Mi, Z., Ishikawa, M., Watanabe, K., Kinoshita, S., . . . Ikonomic, M. D. (2013). Immunohistochemical analysis of ubiquitin-1 in the human hippocampus: Association with neurofibrillary tangle pathology. *Neuropathology*, n/a-n/a. doi: 10.1111/neup.12055. <http://dx.doi.org/10.1111/neup.12055>

Mizukami, K., Ishikawa, M., Akatsu, H., Abrahamson, E. E., Ikonomic, M. D., & Asada, T. (2011). An immunohistochemical study of the serotonin 1A receptor in the hippocampus of subjects with Alzheimer's disease. *Neuropathology*, no-no. doi: 10.1111/j.1440-1789.2010.01193.x. <http://dx.doi.org/10.1111/j.1440-1789.2010.01193.x>

Moaraf, S., Vistoropsky, Y., Pozner, T., Heiblum, R., Okuliarová, M., Zeman, M., & Barnea, A. (2019). Artificial light at night affects brain plasticity and melatonin in birds. *Neuroscience Letters*, 134639. doi: <https://doi.org/10.1016/j.neulet.2019.134639>. <http://www.sciencedirect.com/science/article/pii/S0304394019307426>

Modirrousta, M., Mainville, L., & Jones, B. E. (2004). GABAergic neurons with alpha2- adrenergic receptors in basal forebrain and preoptic area express c-Fos during sleep. *Neuroscience*, 129, 803-810. doi.

Modirrousta, M., Mainville, L., & Jones, B. E. (2005). Orexin and MCH neurons express c-Fos differently after sleep deprivation vs. recovery and bear different adrenergic receptors. *European Journal of Neuroscience*, 21(10), 2807-2816. doi: doi:10.1111/j.1460-9568.2005.04104.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2005.04104.x>

Modirrousta, M., Mainville, L., & Jones, B. E. (2007). Dynamic changes in GABAA receptors on basal forebrain cholinergic neurons following sleep deprivation and recovery. *BMC Neuroscience*, 8(1), 15. doi.

Modo, M., Kevin Hitchens, T., Liu, J. R., & Richardson, R. M. (2015). Detection of aberrant hippocampal mossy fiber connections: Ex vivo mesoscale diffusion MRI and microtractography with histological validation in a patient with uncontrolled temporal lobe epilepsy. *Human Brain Mapping*, n/a-n/a. doi: 10.1002/hbm.23066. <http://dx.doi.org/10.1002/hbm.23066>

Moe, Y., Tanaka, T., Morishita, M., Ohata, R., Nakahara, C., Kawashima, T., . . . Tsukahara, S. (2016). A comparative study of sex difference in calbindin neurons among mice, musk shrews, and Japanese quails. *Neuroscience Letters*, 631, 63-69. doi: <http://dx.doi.org/10.1016/j.neulet.2016.08.018>. <http://www.sciencedirect.com/science/article/pii/S0304394016305973>

Moench, K. M., Breach, M. R., & Wellman, C. L. (2019). Chronic stress produces enduring sex- and region-specific alterations in novel stress-induced c-Fos expression. *Neurobiology of Stress*, 10, 100147. doi: <https://doi.org/10.1016/j.ynstr.2019.100147>. <http://www.sciencedirect.com/science/article/pii/S2352289518300894>

Moges, H., Vasconcelos, O. M., Campbell, W. W., Borke, R. C., McCoy, J. A., Kaczmarczyk, L., . . . Anders, J. J. (2009). Light therapy and supplementary Riboflavin in the SOD1 transgenic mouse model of familial amyotrophic lateral sclerosis (FALS). *Lasers in Surgery and Medicine*, 41(1), 52-59. doi.

Moghaddasi, M., Velumian, A. A., Zhang, L., & Fehlings, M. G. (2005). An Ex-Vivo Preparation of Mature Spinal Cord to Study Synaptic Transmission on Moto-Neurons. *Journal of Neurotrauma*, 22, 1164-1164. doi:

Mohammad, H., Marchisella, F., Ortega-Martinez, S., Hollos, P., Eerola, K., Komulainen, E., . . . Coffey, E. T. (2016). JNK1 controls adult hippocampal neurogenesis and imposes cell-autonomous control of anxiety behaviour from the neurogenic niche. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2016.203. <http://dx.doi.org/10.1038/mp.2016.203>

Mohanty, R., Das, S. K., & Patri, M. (2017). Modulation of BenzolalPyrene Induced Anxiolytic- Like Behavior by Retinoic Acid in Zebrafish: Involvement of Oxidative Stress and Antioxidant Defense System. [journal article]. *Neurotoxicity research*, 1-12. doi: 10.1007/s12640-016- 9694-5. <http://dx.doi.org/10.1007/s12640-016-9694-5>

Mohanty, R., Das, S. k., Singh, N. R., & Patri, M. (2016). Withania somnifera Leaf Extract Ameliorates Benzolalpyrene-Induced Behavioral and Neuromorphological Alterations by Improving Brain Antioxidant Status in Zebrafish (Danio rerio). *Zebrafish*. doi: 10.1089/zeb.2015.1215. <http://dx.doi.org/10.1089/zeb.2015.1215>

Mohila, C. A., & Onn, S.-P. (2005). Increases in the Density of Parvalbumin-immunoreactive Neurons in Anterior Cingulate Cortex of Amphetamine-withdrawn Rats: Evidence of Corticotropin-releasing Factor in Sustained Elevation. *Cerebral Cortex*, 15, 262-274. doi:

Möhle, L., Mattei, D., Heimesaat, Markus M., Bereswill, S., Fischer, A., Alutis, M., . . . Wolf, Susanne A. (2016). Ly6C^{hi} Monocytes Provide a Link between Antibiotic-Induced Changes in Gut Microbiota and Adult Hippocampal Neurogenesis. *Cell Reports*. doi: 10.1016/j.celrep.2016.04.074. <http://dx.doi.org/10.1016/j.celrep.2016.04.074>

Mojabi, F. S., Fahimi, A., Moghadam, S., Moghadam, S., McNerneny, M. W., Ponnusamy, R., . . . Salehi, A. (2016). GABAergic Hyperinnervation of Dentate Granule Cells in the Ts65Dn Mouse Model of Down Syndrome Exploring the Role of App. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22664. <http://dx.doi.org/10.1002/hipo.22664>

Mondal, S., Rangasamy, S. B., Roy, A., Dasarathy, S., Kordower, J. H., & Pahan, K. (2019). Low- Dose Maraviroc, an Antiretroviral Drug, Attenuates the Infiltration of T Cells into the Central Nervous System and Protects the Nigrostriatum in Hemiparkinsonian Monkeys. *The Journal of Immunology*, j1800587. doi: 10.4049/jimmunol.1800587. <http://www.jimmunol.org/content/early/2019/04/30/jimmunol.1800587.abstract>

Mondal, S., Roy, A., Jana, A., Ghosh, S., Kordower, J., & Pahan, K. (2012). Testing NF- κ B-based Therapy in Hemiparkinsonian Monkeys. *Journal of Neuroimmune Pharmacology*, 1-13. doi: 10.1007/s11481-012-9377-9. <http://dx.doi.org/10.1007/s11481-012-9377-9>

Mondello, S. E., Jefferson, S. C., O'steen, W. A., & Howland, D. (2016). Enhancing Fluorogold-Based Neural Tract Tracing. *Journal of Neuroscience Methods*. doi: <http://dx.doi.org/10.1016/j.jneumeth.2016.06.004>. <http://www.sciencedirect.com/science/article/pii/S016502701630125X>

Mongeau, R., Miller, G. A., Chiang, E., & Anderson, D. J. (2003). Neural Correlates of Competing Fear Behaviors Evoked by an Innately Aversive Stimulus. *Journal of Neuroscience*, 23(9), 3855-3868. doi: <http://www.jneurosci.org/cgi/content/abstract/23/9/3855>

Monje, M. H. G., Blesa, J., García-Cabezas, M. Á., Obeso, J. A., & Cavada, C. (2019). Changes in thalamic dopamine innervation in a progressive Parkinson's disease model in monkeys. *Movement Disorders*, n/a(n/a). doi: 10.1002/mds.27921. <https://movementdisorders.onlinelibrary.wiley.com/doi/abs/10.1002/mds.27921>

Monje, M. L., Mizumatsu, S., Fike, J. R., & Palmer, T. D. (2002). Irradiation induces neural precursor-cell dysfunction. *Nature Medicine*, 8(9), 955-962. doi:

Monje, M. L., Vogel, H., Masek, M., Ligon, K. L., Fisher, P. G., & Palmer, T. D. (2007). Impaired human hippocampal neurogenesis after treatment for central nervous system malignancies. *Annals of Neurology*, 62(5), 515-520. doi:

Monks, D. A., Johansen, J. A., Mo, K., Rao, P., Eagleson, B., Yu, Z., . . . Jordan, C. L. (2007). Overexpression of wild-type androgen receptor in muscle recapitulates polyglutamine disease. *Proceedings of the National Academy of Sciences*, 104(46), 18259-18264. doi: 10.1073/Proceedings of the National Academy of Sciences.0705501104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/46/18259>

Montalvo-Javé, E. E., Mendoza-Barrera, G. E., García-Pineda, M. A., Jaime Limón, Á. R., Montalvo-Arenas, C., Castell Rodríguez, A. E., & Tapia Jurado, J. (2015). Histological Analysis of Intra-Abdominal Adhesions Treated with Sodium Hyaluronate and Carboxymethylcellulose Gel. *Journal of Investigative Surgery*, 1-8. doi: 10.3109/08941939.2015.1076911. <http://dx.doi.org/10.3109/08941939.2015.1076911>

Montandon, M.-L., Haller, S., Scheffler, M., Giannakopoulos, P., Herrmann, F. R., Gold, G., & Kövari, E. (2020). Medial temporal lobe volume is associated with neuronal loss but not with hippocampal microinfarcts despite their high frequency in aging brains. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2020.06.008>. <http://www.sciencedirect.com/science/article/pii/S0197458020302013>

Montaron, M.-F., Charrier, V., Blin, N., Garcia, P., & Abrous, D. N. (2020). Resilience to cognitive aging is associated with responsiveness of dentate neurons generated throughout adult life. *bioRxiv*, 290676. doi: 10.1101/290676. <https://www.biorxiv.org/content/biorxiv/early/2020/01/20/290676.full.pdf>

Monteagudo, A., Feola, J., Natola, H., Ji, C., Pröschel, C., & Johnson, G. V. W. (2018). Depletion of astrocytic transglutaminase 2 improves injury outcomes. *Molecular and Cellular Neuroscience*. doi: <https://doi.org/10.1016/j.mcn.2018.06.007>. <http://www.sciencedirect.com/science/article/pii/S1044743118300691>

Montero, D., Cathomen, A., Jacobs, R. A., Flück, D., de Leur, J., Keiser, S., . . . Lundby, C. (2015). Haematological rather than skeletal muscle adaptations contribute to the increase in peak oxygen uptake induced by moderate endurance training. *The Journal of physiology*, n/a- n/a. doi: 10.1113/jp270250. <http://dx.doi.org/10.1113/JP270250>

Montero, D., & Lundby, C. (2017). Refuting the myth of non-response to exercise training: 'non-responders' do respond to higher dose of training. *The Journal of physiology*, n/a-n/a. doi: 10.1113/jp273480. <http://dx.doi.org/10.1113/JP273480>

Montgomery, K. S., Edwards, G., Levites, Y., Kumar, A., Myers, C. E., Gluck, M. A., . . . Bizon, J. L. (2015). Deficits in hippocampal-dependent transfer generalization learning accompany synaptic dysfunction in a mouse model of amyloidosis. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22535. <http://dx.doi.org/10.1002/hipo.22535>

Montgomery, L. R. (2013). Role of the Reticulospinal and Corticoreticular Systems for the Control of Reaching in Non Human Primates. The Ohio State University. Retrieved from http://rave.ohiolink.edu/etdc/view?acc_num=osu1385049354

Montine, T. J., Milatovic, D., Gupta, R. C., Valyi-Nagy, T., Morrow, J. D., & Breyer, R. M. (2002). Neuronal oxidative damage from activated innate immunity is EP2 receptor-dependent. *Journal of Neurochemistry*, 83, 463-470. doi.

Moon, E. S., Karadimas, S. K., Yu, W.-R., Austin, J. W., & Fehlings, M. G. (2013). Riluzole attenuates neuropathic pain and enhances functional recovery in a rodent model of cervical spondylotic myelopathy. *Neurobiology of Disease*, (o). doi: <http://dx.doi.org/10.1016/j.nbd.2013.10.020>.
<http://www.sciencedirect.com/science/article/pii/S0969996113002957>

Moon, H. Y., Javadi, S., Stremlau, M., Yoon, K. J., Becker, B., Kang, S.-U., . . . van Praag, H. (2018). Conditioned media from AICAR-treated skeletal muscle cells increases neuronal differentiation of adult neural progenitor cells. *Neuropharmacology*. doi: <https://doi.org/10.1016/j.neuropharm.2018.10.041>.
<http://www.sciencedirect.com/science/article/pii/S002839081830830X>

Moon, M., Huh, Y., & Park, C. (2006). L-nitroimidazole ornithine limits exercise-induced increases in cell proliferation in the hippocampus of adult mice. *Neuroreport*, 17(11), 1121- 1121. doi.

Moon, M., Kim, H. G., Hwang, L., Seo, J. H., Kim, S., Hwang, S., . . . others. (2009). Neuroprotective effect of ghrelin in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine mouse model of Parkinson's disease by blocking microglial activation. *Neurotoxicity research*, 15(4), 332-347. doi.

Mooney, S. J., Shah, K., Yeung, S., Burgess, A., Aubert, I., & Hynynen, K. (2016). Focused Ultrasound-Induced Neurogenesis Requires an Increase in Blood-Brain Barrier Permeability. *Plos one*, 11(7), e0159892. doi: 10.1371/journal.pone.0159892. <http://dx.doi.org/10.1371%2Fjournal.pone.0159892>

Moore, A. M., Wood, M. D., Chenard, K., Hunter, D. A., Mackinnon, S. E., Sakiyama-Elbert, S. E., & Borschel, G. H. (2010). Controlled delivery of glial cell line-derived neurotrophic factor enhances motor nerve regeneration. *Journal of hand surgery*, 35(12), 2008-2017. doi.

Moore, B. A., Baumhardt, P., Doppler, M., Randolet, J., Blackwell, B. F., DeVault, T. L., . . . Fernández-Juricic, E. (2012). Oblique color vision in an open-habitat bird: spectral sensitivity, photoreceptor distribution and behavioral implications. *Journal of Experimental Biology*, 215(19), 3442-3452. doi.

Moore, B. A., Tyrrell, L. P., Pita, D., Bininda-Emonds, O. R. P., & Fernández-Juricic, E. (2017). Does retinal configuration make the head and eyes of foveate birds move? [Article]. *Scientific Reports*, 7, 38406. doi: 10.1038/srep38406

<http://www.nature.com/articles/srep38406#supplementary-information>. <http://dx.doi.org/10.1038/srep38406>

Moore, E. M., Mander, A. G., Ames, D., Kotowicz, M. A., Carne, R. P., & Brodaty, H. (2013). Increased risk of cognitive impairment in patients with diabetes is associated with metformin. *Diabetes Care*, 36. doi: 10.2337/dc13-0229. <http://dx.doi.org/10.2337/dc13-0229>

Moorman, D. E., James, M. H., Kilroy, E. A., & Aston-Jones, G. (2016). Orexin/hypocretin neuron activation is correlated with alcohol seeking and preference in a topographically specific manner. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.13170. <http://dx.doi.org/10.1111/ejn.13170>

Mor, D., Bembrick, A. L., Austin, P. J., Wyllie, P. M., Creber, N. J., Denyer, G. S., & Keay, K. A. (2010). Anatomically specific patterns of glial activation in the periaqueductal gray of the sub-population of rats showing pain and disability following chronic constriction injury of the sciatic nerve. *Neuroscience*, 166(4), 1167-1184. doi.

Mor, D. E. (2016). The toxic interaction of dopamine and alpha-synuclein: Implications for Parkinson's disease. University of Pennsylvania. Retrieved from <http://search.proquest.com/openview/28281453309e818989ee516dd6262df1/1?p...>

Morales, M., Hein, K., & Vogel, Z. (2008). Hippocampal interneurons co-express transcripts encoding the $\alpha 7$ nicotinic receptor subunit and the cannabinoid receptor 1. *Neuroscience*, 152(1), 70-81. doi.

Morales, M., Wang, S.-D., Diaz-Ruiz, O., & Jho, D. H.-J. (2003). Cannabinoid CB1 receptor and serotonin 3 receptor subunit A (5-HT3A) are co-expressed in GABA neurons in the rat telencephalon *Journal of Comparative Neurology*, 468(2), 205-216. doi.

Morales-Medina, J. C., Juarez, I., Venancio-Garcia, E., Cabrera, S. N., Menard, C., Yu, W., . . . Quirion, R. (2013). Impaired structural hippocampal plasticity is associated with emotional and memory deficits in the olfactory bulbectomized rat. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.01.037>. <http://www.sciencedirect.com/science/article/pii/S0306452213000742>

Morawska, M. M., Büchele, F., Moreira, C. G., Imbach, L. L., Noain, D., & Baumann, C. R. (2016). Sleep Modulation Alleviates Axonal Damage and Cognitive Decline after Rodent Traumatic Brain Injury. *The Journal of Neuroscience*, 36(12), 3422-3429. doi: <http://www.jneurosci.org/content/36/12/3422.short>

Morawski, M., Bruckner, G., Jäger, C., Seeger, G., & Arendt, T. (2010). Neurons associated with aggrecan-based perineuronal nets are protected against tau pathology in subcortical regions in Alzheimer's disease. *Neuroscience*, 169(3), 1347-1363. doi:

Morawski, M., Brückner, G., Jäger, C., Seeger, G., Matthews, R. T., & Arendt, T. (2012). Involvement of Perineuronal and Perisynaptic Extracellular Matrix in Alzheimer's Disease Neuropathology. *Brain Pathology*, no-no. doi: 10.1111/j.1750-3639.2011.00557.x. <http://dx.doi.org/10.1111/j.1750-3639.2011.00557.x>

Morawski, M., Schilling, S., Kreuzberger, M., Waniek, A., Jäger, C., Koch, B., . . . Roßner, S. (2013). Glutaminyi Cyclase in Human Cortex: Correlation with (pGlu)-Amyloid- β Load and Cognitive Decline in Alzheimer's Disease. *Journal of Alzheimer's Disease*. doi: 10.3233/jad-131535. <http://dx.doi.org/10.3233/JAD-131535>

Moreau, M. M., Piguel, N., Papouin, T., Koehl, M., Durand, C. M., Rubio, M. E., . . . Sans, N. (2010). The Planar Polarity Protein Scribble1 Is Essential for Neuronal Plasticity and Brain Function. *Journal of Neuroscience*, 30(29), 9738-9752. doi: 10.1523/jneurosci.6007-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/29/9738>

Morecraft, R. J., Ge, J., Stilwell-Morecraft, K. S., McNeal, D. W., Hynes, S. M., Pizzimenti, M. A., . . . Darling, W. G. (2015). Frontal and Frontoparietal Injury Differentially affect the Ipsilateral Corticospinal Projection from the Non-lesioned Hemisphere in Monkey (*Macaca mulatta*). *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23861. <http://dx.doi.org/10.1002/cne.23861>

Morecraft, R. J., Ge, J., Stilwell-Morecraft, K. S., McNeal, D. W., Pizzimenti, M. A., & Darling, W. G. (2013). Terminal distribution of the corticospinal projection from the hand/arm region of the primary motor cortex to the cervical enlargement in rhesus monkey. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23410. <http://dx.doi.org/10.1002/cne.23410>

Morecraft, R. J., Mcneal, D. W., Stilwell-Morecraft, K. S., Gedney, M., Ge, J., Schroeder, C. M., & Hoesen, G. W. V. (2007). Amygdala interconnections with the cingulate motor cortex in the rhesus monkey. *Journal of Comparative Neurology*, 500(1), 134-165. doi:

Morecraft, R. J., Stilwell-Morecraft, K. S., Solon-Cline, K. M., Ge, J., & Darling, W. G. (2014). Cortical innervation of the hypoglossal nucleus in the non-human primate (*Macaca mulatta*). *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23614. <http://dx.doi.org/10.1002/cne.23614>

Morelli, E., Moore, H., Rebello, T. J., Gray, N., Steele, K., Esposito, E., . . . Ansorge, M. S. (2011). Chronic 5-HT Transporter Blockade Reduces DA Signaling to Elicit Basal Ganglia Dysfunction. *Journal of Neuroscience*, 31(44), 15742-15750. doi: 10.1523/jneurosci.2989-11.2011. <http://www.jneurosci.org/content/31/44/15742.abstract>

Morellini, N. M., Giles, N. L., Rea, S., Adcroft, K. F., Falder, S., King, C. E., . . . others. (2008). Exogenous metallothionein-IIA promotes accelerated healing after a burn wound. *Wound Repair and Regeneration*, 16(5), 682-690. doi:

Moreno, B., Lopez, I., Fernández-Díez, B., Gottlieb, M., Matute, C., Sánchez-Gómez, M. V., . . . Franco, R. (2014). Differential Neuroprotective Effects of 5'-Deoxy-5'-Methylthioadenosine. *Plos one*, 9(3), e90671. doi: 10.1371/journal.pone.0090671. <http://dx.doi.org/10.1371%2Fjournal.pone.0090671>

Moresco, E. M. Y., Donaldson, S., Williamson, A., & Koleske, A. J. (2005). Integrin-Mediated Dendrite Branch Maintenance Requires Abelson (Abl) Family Kinases. *Journal of Neuroscience*, 25(26), 6105-6118. doi: <http://www.jneurosci.org/cgi/content/abstract/25/26/6105>

Morgan, J. P., Magee, H., Wong, A., Nelson, T., Koch, B., Cooper, J. D., & Weimer, J. M. (2013). A Murine Model of Variant Late Infantile Ceroid Lipofuscinosis Recapitulates Behavioral and Pathological Phenotypes of Human Disease. *Plos one*, 8(11), e78694. doi: 10.1371/journal.pone.0078694. <http://dx.doi.org/10.1371%2Fjournal.pone.0078694>

Morgan, J. T., Barger, N., Amaral, D. G., & Schumann, C. M. (2014). Stereological Study of Amygdala Glial Populations in Adolescents and Adults with Autism Spectrum Disorder. *Plos one*, 9(10), e110356. doi: 10.1371/journal.pone.0110356. <http://dx.doi.org/10.1371%2Fjournal.pone.0110356>

Morgan, J. T., Chana, G., Abramson, I., Semendeferi, K., Courchesne, E., & Everall, I. P. (2012). Abnormal Microglial-Neuronal Spatial Organization in the Dorsolateral Prefrontal Cortex in Autism. *Brain Research*, (o). doi: 10.1016/j.brainres.2012.03.036. <http://www.sciencedirect.com/science/article/pii/S0006899312005185?v=s5>

Morgan, J. T., Chana, G., Pardo, C. A., Achim, C., Semendeferi, K., Buckwalter, J., . . . Everall, I. P. (2010). Microglial activation and increased microglial density observed in the dorsolateral prefrontal cortex in autism. *Biological Psychiatry*, 68(4), 368-376. doi:

Morganti, J. M., Nash, K. R., Grimmig, B. A., Ranjit, S., Small, B., Bickford, P. C., & Gemma, C. (2012). The Soluble Isoform of CX3CL1 Is Necessary for Neuroprotection in a Mouse Model of Parkinson's Disease. *Journal of Neuroscience*, 32(42), 14592-14601. doi:

Mori, M., Murata, Y., Matsuo, A., Takemoto, T., & Mine, K. (2014). Chronic Treatment with the 5-HT_{1A} Receptor Partial Agonist Tandospirone Increases Hippocampal Neurogenesis. *Neurology and Therapy*, 1-11. doi: 10.1007/s40120-013-0015-0. <http://dx.doi.org/10.1007/s40120-013-0015-0>

Mori, M., Murata, Y., Tsuchihashi, M., Hanakita, N., Terasaki, F., Harada, H., . . . Enjoji, M. (2020). Continuous psychosocial stress stimulates BMP signaling in dorsal hippocampus concomitant with anxiety-like behavior associated with differential modulation of cell proliferation and neurogenesis. *Behavioural Brain Research*, 392, 112711. doi: <https://doi.org/10.1016/j.bbr.2020.112711>. <http://www.sciencedirect.com/science/article/pii/S0166432820304101>

Morishita, M., Maejima, S., & Tsukahara, S. (2017). Gonadal Hormone-Dependent Sexual Differentiation of a Female-Biased Sexually Dimorphic Cell Group in the Principal Nucleus of the Bed Nucleus of the Stria Terminalis in Mice. *Endocrinology*. doi: <https://academic.oup.com/endo/article-abstract/doi/10.1210/en.2017-00240...>

Morita, T., Sasaki, M., Kataoka-Sasaki, Y., Nakazaki, M., Nagahama, H., Oka, S., . . . Honmou, O. (2016). Intravenous infusion of mesenchymal stem cells promotes functional recovery in a model of chronic spinal cord injury. *Neuroscience*, 335, 221-231. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.08.037>.
<http://www.sciencedirect.com/science/article/pii/S0306452216304109>

Moro, C., Massri, N. E., Darlot, F., Torres, N., Chabrol, C., Agay, D., . . . Benabid, A.-L. (2016). Effects of a higher dose of near-infrared light on clinical signs and neuroprotection in a monkey model of Parkinson's disease. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2016.07.005>.
<http://www.sciencedirect.com/science/article/pii/S0006899316304784>

Moro, C., Massri, N. E., Torres, N., Ratel, D., De Jaeger, X., Chabrol, C., . . . Benabid, A.-L. (2013). Photobiomodulation inside the brain: a novel method of applying near-infrared light intracranially and its impact on dopaminergic cell survival in MPTP-treated mice. *Journal of Neurosurgery*, 0(0), 1-14. doi: doi:10.3171/2013.9.JNS13423. <http://thejns.org/doi/abs/10.3171/2013.9.JNS13423>

Moro, C., Torres, N., Arvanitakis, K., Cullen, K., Chabrol, C., Agay, D., . . . Mitrofanis, J. (2017). No evidence for toxicity after long-term photobiomodulation in normal non-human primates. [journal article]. *Experimental Brain Research*. doi: 10.1007/s00221-017-5048-7. <https://doi.org/10.1007/s00221-017-5048-7>

Moro, N., Ghavim, S., Harris, N. G., Hovda, D. A., & Sutton, R. L. (2013). Glucose administration after traumatic brain injury improves cerebral metabolism and reduces secondary neuronal injury. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2013.08.044>.
<http://www.sciencedirect.com/science/article/pii/S0006899313011815>

Moro, N., Ghavim, S. S., Harris, N. G., Hovda, D. A., & Sutton, R. L. (2016). Pyruvate treatment attenuates cerebral metabolic depression and neuronal loss after experimental traumatic brain injury. *Brain Research*, 1642, 270-277. doi: <http://dx.doi.org/10.1016/j.brainres.2016.04.005>.
<http://www.sciencedirect.com/science/article/pii/S0006899316301986>

Moro, N., & Sutton, R. L. (2010). Beneficial effects of sodium or ethyl pyruvate after traumatic brain injury in the rat. *Experimental Neurology*, 225(2), 391-401. doi.

Moroni, R. F., Deleo, F., Regondi, M. C., Madaschi, L., Amadeo, A., & Frasson, C. (2018). Proliferative cells in the rat developing neocortical grey matter: new insights into gliogenesis. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1736-8
8. <https://doi.org/10.1007/s00429-018-1736-8>

Morris, J. A., Jordan, C. L., & Breedlove, S. M. (2008). Sexual dimorphism in neuronal number of the posterodorsal medial amygdala is independent of circulating androgens and regional volume in adult rats. *Journal of Comparative Neurology*, 506(5), 851-859. doi.

Morris, J. A., Jordan, C. L., Dugger, B. N., & Breedlove, S. M. (2005). Partial Demasculinization of Several Brain Regions in Adult Male (XY) Rats with a Dysfunctional Androgen Receptor Gene. *Journal of Comparative Neurology*, 487, 217-226. doi.

Morris, J. A., Jordan, C. L., King, Z. A., Northcutt, K. V., & Breedlove, S. M. (2008). Sexual dimorphism and steroid responsiveness of the posterodorsal medial amygdala in adult mice. *Brain Research*, 1190, 115-121. doi.

Morris, M. C., Schneider, J. A., Li, H., Tangney, C. C., Nag, S., Bennett, D. A., . . . Barnes, L. L. (2014). Brain tocopherols related to Alzheimer's disease neuropathology in humans. *Alzheimer's & Dementia*, (0).
doi: <http://dx.doi.org/10.1016/j.jalz.2013.12.015>.
<http://www.sciencedirect.com/science/article/pii/S1552526013029427>

Morrison, D. J., Rashid, A. J., Yiu, A. P., Yan, C., Frankland, P. W., & Josselyn, S. A. (2016). Parvalbumin interneurons constrain the size of the lateral amygdala engram. *Neurobiology of Learning and Memory*.
doi: <http://dx.doi.org/10.1016/j.nlm.2016.07.007>.
<http://www.sciencedirect.com/science/article/pii/S1074742716301071>

Morrow, B. A., Hajszan, T., Leranth, C., Elsworth, J. D., & Roth, R. H. (2007). Prenatal exposure to cocaine is associated with increased number of spine synapses in rat prelimbic cortex. *Synapse*, 61(10), 862-865. doi.

Morshedi, M. M., & Meredith, G. E. (2007). Differential laminar effects of amphetamine on prefrontal parvalbumin interneurons. *Neuroscience*, 149(3), 617-624. doi.

Morshedi, M. M., Rademacher, D. J., & Meredith, G. E. (2009). Increased synapses in the medial prefrontal cortex are associated with repeated amphetamine administration. *Synapse*, 63(2), 126-135. doi.

Mortensen, L. J., Oberdojfer, G., Pentland, A. P., & DeLouise, L. A. (2008). In vivo skin penetration of quantum dot nanoparticles in the murine model: the effect of UVR. *Nano letters*, 8(9), 2779-2787. doi.

Morton, P. D., Dellarole, A., Theus, M. H., Walters, W. M., Berge, S. S., & Bethea, J. R. (2013). Activation of NF- κ B in Schwann Cells Is Dispensable for Myelination In Vivo. *Journal of Neuroscience*, 33(24), 9932-9936. doi: 10.1523/jneurosci.2483-12.2013. <http://www.jneurosci.org/content/33/24/9932.abstract>

Morton, P. D., Johnstone, J. T., Ramos, A. Y., Liebl, D. J., Bunge, M. B., & Bethea, J. R. (2012). Nuclear factor- κ B activation in schwann cells regulates regeneration and remyelination. *Glia*, 60(4), 639-650. doi: 10.1002/glia.22297.
<http://dx.doi.org/10.1002/glia.22297>

Morton, P. D., Korotcova, L., Lewis, B. K., Bhuvanendran, S., Ramachandra, S. D., Zurakowski, D., . . . Ishibashi, N. (2017). Abnormal neurogenesis and cortical growth in congenital heart disease. [10.1126/scitranslmed.aah7029]. *Science translational medicine*, 9(374).

doi: <http://stm.sciencemag.org/content/9/374/eaah7029.abstract>

Mosconi, T., Arends, J. J., & Jacquin, M. F. (2013). Null mutations of NT-3 and Bax affect trigeminal ganglion cell number but not brainstem barrelette pattern formation.

Somatosensory and Motor Research, 0(0), 1-6. doi:

doi:10.3109/08990220.2013.775118.

<http://informahealthcare.com/doi/abs/10.3109/08990220.2013.775118>

Moser, V. C., Barone, S., Jr., Smialowicz, R. J., Harris, M. W., Davis, B. J., Overstreet, D., . . . Chapin, R. E. (2001). The Effects of Perinatal Tebuconazole Exposure on Adult Neurological, Immunological, and Reproductive Function in Rats. *Toxicological Sciences*, 62(2), 339-352. doi:

10.1093/toxsci/62.2.339. <http://toxsci.oxfordjournals.org/cgi/content/abstract/62/2/339>

Moses, C., Pg Wheeler, L., LeVaillant, C. J., Kramer, A., Ryan, M., Cozens, G. S., . . . Harvey, A. R. (2015). The acquisition of target dependence by developing rat retinal ganglion cells. [10.1523/ENEURO.0044-14.2015]. *eneuro*.

doi: <http://eneuro.org/content/early/2015/06/28/ENEURO.0044-14.2015.abstract>

Moses, D., Drago, J., Teper, Y., Gantois, I., Finkelstein, D. I., & Horne, M. K. (2008). Fetal striatum-and ventral mesencephalon-derived expanded neurospheres rescue dopaminergic neurons in vitro and the nigro-striatal system in vivo. *Neuroscience*, 154(2), 606-620. doi.

Moses, D., Teper, Y., Gantois, I., Finkelstein, D. I., Horne, M. K., & Drago, J. (2006). Murine embryonic EGF-responsive ventral mesencephalic neurospheres display distinct regional specification and promote survival of dopaminergic neurons. *Experimental Neurology*, 199(1), 209-221. doi.

Mostoslavsky, G., Kotton, D. N., Fabian, A. J., Gray, J. T., Lee, J. S., & Mulligan, R. C. (2005). Efficiency of transduction of highly purified murine hematopoietic stem cells by lentiviral and oncoretroviral vectors under conditions of minimal in vitro manipulation. *Mol Ther*, 11. doi: 10.1016/j.ymthe.2005.01.005.

<http://dx.doi.org/10.1016/j.ymthe.2005.01.005>

Motalleb, R., Berns, E. J., Patel, P., Gold, J., Stupp, S. I., & Georg Kuhn, H. (2018). In vivo migration of endogenous brain progenitor cells guided by an injectable peptide amphiphile biomaterial. *Journal of Tissue Engineering and Regenerative Medicine*, n/a-n/a. doi: 10.1002/term.2644. <http://dx.doi.org/10.1002/term.2644>

Mott, R. T., Thore, C. R., Moody, D. M., Glazier, S. S., Ellis, T. L., & Brown, W. R. (2009). Reduced ratio of afferent to total vascular density in mesial temporal sclerosis. *Journal of Neuropathology and Experimental Neurology*, 68(10), 1147-1147. doi.

Mounsey, R. B., Mustafa, S., Robinson, L., Ross, R. A., Riedel, G., Pertwee, R. G., & Teismann, P. (2015). Increasing levels of the endocannabinoid 2-AG is neuroprotective in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine mouse model of Parkinson's disease. *Experimental*

Neurology.

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.07.024>.

<http://www.sciencedirect.com/science/article/pii/S0014488615300583>

Mount, C. W., Majzner, R. G., Sundaresh, S., Arnold, E. P., Kadapakkam, M., Haile, S., . . . Mackall, C. L. (2018). Potent antitumor efficacy of anti-GD2 CAR T cells in H3-K27M⁺ diffuse midline gliomas. *Nature Medicine*. doi: 10.1038/s41591-018-0006-

x. <https://doi.org/10.1038/s41591-018-0006-x>

Mount, M. P., Lira, A., Grimes, D., Smith, P. D., Faucher, S., Slack, R., . . . Park, D. S. (2007). Involvement of Interferon- γ in Microglial-Mediated Loss of Dopaminergic Neurons. *Journal of Neuroscience*, 27(12), 3328-3337. doi: 10.1523/jneurosci.5321-

06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/12/3328>

Mount, M. P., Zhang, Y., Amini, M., Callaghan, S., Kulczycki, J., Mao, Z., . . . Park, D. S. (2013). Perturbation of transcription factor Nur77 expression mediated by myocyte enhancer factor 2D (MEF2D) regulates dopaminergic neuron loss in response to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). *Journal of Biological Chemistry*. doi:

10.1074/jbc.M112.439216.

[http://www.jbc.org/content/early/2013/03/27/jbc.M112.439216.a bstract](http://www.jbc.org/content/early/2013/03/27/jbc.M112.439216.abstract)

Mountney, A., Zahner, M. R., Lorenzini, I., Oudega, M., Schramm, L. P., & Schnaar, R. L. (2010). Sialidase enhances recovery from spinal cord contusion injury. *Proceedings of the National Academy of Sciences*, 107(25), 11561-11566. doi: 10.1073/Proceedings of the National Academy of Sciences.1006683107. <http://www.Proceedings of the National Academy of Sciences.org/content/107/25/11561.abstract>

Mowery, T. M., & Garraghty, P. E. (2009). Frontiers: Nerve-injury induced changes to GluR1 and GluR2/3 sub-unit expression in area 3b of adult squirrel monkeys: developmental recapitulation? *Frontiers in Systems Neuroscience*, 3. doi.

Mowery, T. M., & Garraghty, P. E. (2009). Nerve-injury induced changes to GluR1 and GluR2/3 sub-unit expression in area 3b of adult squirrel monkeys: developmental recapitulation?

Frontiers in Systems Neuroscience, 3. doi.

Mowery, T. M., Kostylev, P. V., & Garraghty, P. E. (2013). AMPA and GABAA/B receptor subunit expression in the cuneate nucleus of adult squirrel monkeys during peripheral nerve regeneration. *Neuroscience Letters*, (6).

doi: <http://dx.doi.org/10.1016/j.neulet.2013.11.054>.

<http://www.sciencedirect.com/science/article/pii/S0304394013010653>

Mowery, T. M., Sarin, R. M., Elliott, K. S., & E Garraghty, P. (2011). Nerve Injury-Induced Changes in GABAA and GABAB Sub-unit Expression in Area 3b and Cuneate Nucleus of Adult Squirrel Monkeys: Further Evidence of Developmental Recapitulation. *Brain Research*. doi.

Mowery, T. M., Sarin, R. M., Kostylev, P. V., & Garraghty, P. E. (2015). Differences in AMPA and GABAA/B receptor subunit expression between the chronically reorganized cortex and brainstem of adult squirrel monkeys. *Brain Research*, (6).

doi: <http://dx.doi.org/10.1016/j.brainres.2015.03.010>.
<http://www.sciencedirect.com/science/article/pii/S0006899315001924>

Mowery, T. M., Walls, S. M., & Garraghty, P. E. (2013). AMPA and GABAA/B Receptor Subunit Expression in the Cortex of Adult Squirrel Monkeys during Peripheral Nerve Regeneration. *Brain Research*, (o).
doi: <http://dx.doi.org/10.1016/j.brainres.2013.04.032>.
<http://www.sciencedirect.com/science/article/pii/S000689931300574X>

Mowery, T. M., Wilson, S. M., Kostylev, P. V., Wertz, B. D., Bucholz, J. B., Prieto, A. L., & Garraghty, P. E. (2014). Embryological exposure to valproic acid disrupts morphology of the deep cerebellar nuclei in a sexually dimorphic way. *International Journal of Developmental Neuroscience*, (o).
doi: <http://dx.doi.org/10.1016/j.ijdevneu.2014.10.003>.
<http://www.sciencedirect.com/science/article/pii/S0736574814001695>

Moyer, C. E., Delevich, K. M., Fish, K. N., Asafu-Adjei, J. K., Sampson, A. R., Dorph-Petersen, K.-A., . . . Sweet, R. A. (2012). Reduced Glutamate Decarboxylase 65 Protein Within Primary Auditory Cortex Inhibitory Boutons in Schizophrenia. *Biological Psychiatry*, (o).
doi: [10.1016/j.biopsych.2012.04.010](http://dx.doi.org/10.1016/j.biopsych.2012.04.010).
<http://www.sciencedirect.com/science/article/pii/S0006322312003617>

Moyer, C. E., Erickson, S. L., Fish, K. N., Thiels, E., Penzes, P., & Sweet, R. A. (2015). Developmental Trajectories of Auditory Cortex Synaptic Structures and Gap-Prepulse Inhibition of Acoustic Startle Between Early Adolescence and Young Adulthood in Mice. *Cerebral Cortex*. doi: [10.1093/cercor/bhv040](http://dx.doi.org/10.1093/cercor/bhv040).
<http://cercor.oxfordjournals.org/content/early/2015/03/10/cerc.or.bhv040....>

Mudannayake, J. M., Mouravlev, A., Fong, D. M., & Young, D. (2016). Transcriptional activity of novel ALDH1L1 promoters in the rat brain following AAV vector-mediated gene transfer. [Article]. *Molecular Therapy — Methods & Clinical Development*, 3, 16075. doi: [10.1038/mtm.2016.75](http://dx.doi.org/10.1038/mtm.2016.75)

<http://www.nature.com/articles/mtm201675#supplementary-information>. <http://dx.doi.org/10.1038/mtm.2016.75>

Mudannayake, J. M., Mouravlev, A., Fong, D. M., & Young, D. (2016). Transcriptional activity of novel ALDH1L1 promoters in the rat brain following AAV vector-mediated gene transfer. [Article]. *Molecular Therapy — Methods & Clinical Development*, 3, 16075. doi: [10.1038/mtm.2016.75](http://dx.doi.org/10.1038/mtm.2016.75)

<http://www.nature.com/articles/mtm201675#supplementary-information>. <http://dx.doi.org/10.1038/mtm.2016.75>

Muessel, M. J., Klein, R. M., Wilson, A. M., & Berman, N. E. J. (2002). Ablation of the chemokine monocyte chemoattractant protein-1 delays retrograde neuronal degeneration, attenuates microglial activation, and alters expression of cell death molecules. *Molecular Brain Research*, 103(1-2), 12-27. doi: [10.1016/S0169-3283\(02\)00001-1](http://dx.doi.org/10.1016/S0169-3283(02)00001-1)

Muhia, M., Yee, B. K., Feldon, J., Markopoulos, F., & Knuesel, I. (2010). Disruption of hippocampus-regulated behavioural and cognitive processes by heterozygous constitutive deletion of SynGAP. *European Journal of Neuroscience*, 31(3), 529-543. doi.

Mühlfeld, C. (2012). Quantitative morphology of the vascularisation of organs: a stereological approach illustrated using the cardiac circulation. *Annals of Anatomy - Anatomischer Anzeiger*, (0). doi: <http://dx.doi.org/10.1016/j.aanat.2012.10.010>. <http://www.sciencedirect.com/science/article/pii/S0940960212001653>

Mühlfeld, C., Knudsen, L., & Ochs, M. (2013). Stereology and morphometry of lung tissue. *Cell Imaging Techniques: Methods and Protocols*. doi.

Mukhida, K., Baghbaderani, B. A., Hong, M., Lewington, M., Phillips, T., McLeod, M., . . . Mendez, I. (2008). Survival, differentiation, and migration of bioreactor-expanded human neural precursor cells in a model of Parkinson disease in rats. *Neurosurgical Focus*, 24(3-4), 8-8. doi.

Mukhida, K., Hong, M., Miles, G. B., Phillips, T., Baghbaderani, B. A., McLeod, M., . . . Mendez, I. (2008). A multitarget basal ganglia dopaminergic and GABAergic transplantation strategy enhances behavioural recovery in parkinsonian rats. *Brain*, 131(8), 2106-2126. doi: 10.1093/brain/awn149. <http://brain.oxfordjournals.org/cgi/content/abstract/131/8/2106>

Mukhida, K., Mendez, I., McLeod, M., Kobayashi, N., Haughn, C., Milne, B., . . . Hong, M. (2007). Spinal GABAergic Transplants Attenuate Mechanical Allodynia in a Rat Model of Neuropathic Pain. *Stem Cells*, 25(11), 2874-2885. doi: 10.1634/stemcells.2007-0326. <http://stemcells.alphamedpress.org/cgi/content/abstract/25/11/2874>

Muley, A., Majumder, S., Kolluru, G. K., Parkinson, S., Viola, H., Hool, L., . . . Chatterjee, S. (2010). Secreted Frizzled-Related Protein 4: An Angiogenesis Inhibitor. *American Journal of Pathology*, 176(3), 1505-1516. doi: 10.2353/ajpath.2010.090465. <http://ajp.amjpathol.org/cgi/content/abstract/176/3/1505>

Müller-Starck, J., Büttner, A., Kiessling, M. C., Angstman, N. B., Császár, N. B. M., Haeussner, E., . . . Schmitz, C. (2014). No Changes in Cerebellar Microvessel Length Density in Sudden Infant Death Syndrome: Implications for Pathogenetic Mechanisms. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.0000000000000055. doi: http://journals.lww.com/jneuropath/Fulltext/publishahead/No_Changes_in_C..

Munckhof, P., Rymar, V. V., Luk, K. C., Gu, L., Weiss, N. S., Voorn, P., & Sadikot, A. F. (2009). Morphogenesis of Rodent Neostriatum Following Early Developmental Dopamine Depletion. *Basal Ganglia* IX, 399-410. doi.

Munckhof, P. v. d., Luk, K. C., Ste-Marie, L., Montgomery, J., Blanchet, P. J., Sadikot, A. F., & Drouin, J. (2003). Pitx3 is required for motor activity and for survival of a subset of midbrain dopaminergic neurons. *Development*, 130(11), 2535-2542. doi.

Munder, T., Pfeffer, A., Schreyer, S., Guo, J., Braun, J., Sack, I., . . . Klein, C. (2017). MR elastography detection of early viscoelastic response of the murine hippocampus to amyloid β accumulation and neuronal cell loss due to Alzheimer's disease. *Journal of Magnetic Resonance Imaging*, n/a-n/a. doi: 10.1002/jmri.25741. <http://dx.doi.org/10.1002/jmri.25741>

Munger, E. L., Edler, M. K., Hopkins, W. D., Ely, J. J., Erwin, J. M., Perl, D. P., . . . Raghanti, M. A. (2019). Astrocytic changes with aging and Alzheimer's disease-type pathology in chimpanzees. *Journal of Comparative Neurology*, o(ja). doi: doi:10.1002/cne.24610. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24610>

Munter, J. P. d., Beugels, J., Munter, S., Jansen, L., Cillero-Pastor, B., Moskvina, O., . . . E.Ch, W. (2019). Standardized human bone marrow-derived stem cells infusion improves survival and recovery in a rat model of spinal cord injury. *Journal of the Neurological Sciences*, 402, 16- 29. doi: <https://doi.org/10.1016/j.jns.2019.05.002>. <http://www.sciencedirect.com/science/article/pii/S0022510X19302102>

Mura, A., Murphy, C. A., Feldon, J., & Jongen-Relo, A. L. (2004). The use of stereological counting methods to assess immediate early gene immunoreactivity. *Brain Research*, 1009(1-2), 120-128. doi.

Muraoka, K., Shingo, T., Yasuhara, T., Kameda, M., Yuan, W., Hayase, H., . . . Date, I. (2006). The high integration and differentiation potential of autologous neural stem cell transplantation compared with allogeneic transplantation in adult rat hippocampus. *Experimental Neurology*, 199(2), 311-327. doi.

Murase, S., Lantz, C., Kim, E., Gupta, N., Higgins, R., Stopfer, M., . . . Quinlan, E. (2015). Matrix Metalloproteinase-9 Regulates Neuronal Circuit Development and Excitability. *Molecular Neurobiology*, 1-17. doi: 10.1007/s12035-015-9295-y. <http://dx.doi.org/10.1007/s12035-015-9295-y>

Murata, Y., & Higo, N. (2016). Development and Characterization of a Macaque Model of Focal Internal Capsular Infarcts. *Plos one*, 11(5), e0154752. doi: 10.1371/journal.pone.0154752. <http://dx.doi.org/10.1371%2Fjournal.pone.0154752>

Murata, Y., Matsuda, H., Mikami, Y., Hirose, S., Mori, M., Ohe, K., . . . Enjoji, M. (2019). Chronic administration of quetiapine stimulates dorsal hippocampal proliferation and immature neurons of male rats, but does not reverse psychosocial stress-induced hyponeophagic behavior. *Psychiatry Research*, 272, 411-418. doi: <https://doi.org/10.1016/j.psychres.2018.12.137>. <http://www.sciencedirect.com/science/article/pii/S0165178118312083>

Murata, Y., Narisawa, Y., Shimono, R., Ohmori, H., Mori, M., Ohe, K., . . . Enjoji, M. (2017). A high fat diet-induced decrease in hippocampal newly-born neurons of male mice is exacerbated by mild psychological stress using a Communication Box. *Journal of Affective Disorders*, 209, 209-216. doi: <http://dx.doi.org/10.1016/j.jad.2016.11.046>. <http://www.sciencedirect.com/science/article/pii/S0165032716317256>

Murata, Y., Oka, A., Iseki, A., Mori, M., Ohe, K., Mine, K., & Enjoji, M. (2017). Prolonged sleep deprivation decreases cell proliferation and immature newborn neurons in both dorsal and ventral hippocampus of male rats. *Neuroscience Research*. doi: <http://dx.doi.org/10.1016/j.neures.2017.08.008>. <http://www.sciencedirect.com/science/article/pii/S0168010217302523>

Murawski, N. J., Klintsova, A. Y., & Stanton, M. E. (2012). Neonatal alcohol exposure and the hippocampus in developing male rats: effects on behaviorally induced CA1 c-Fos expression, CA1 pyramidal cell number, and contextual fear conditioning. *Neuroscience*. doi.

Murphy, J. A., Hartwick, A. T. E., Rutishauser, U., & Clarke, D. B. (2009). Endogenous polysialylated neural cell adhesion molecule enhances the survival of retinal ganglion cells. *Investigative Ophthalmology and Visual Science*, 50(2), 861-869. doi.

Murray, E. K., Hien, A., de Vries, G. J., & Forger, N. G. (2009). Epigenetic Control of Sexual Differentiation of the Bed Nucleus of the Stria Terminalis. *Endocrinology*, en.2009-0458. doi: 10.1210/en.2009-0458. <http://endo.endojournals.org/cgi/content/abstract/en.2009-0458v1>

Murray, E. K., Varnum, M. M., Fernandez, J. L., de Vries, G. J., & Forger, N. G. (2011). Effects of Neonatal Treatment with Valproic Acid on Vasopressin Immunoreactivity and Olfactory Behaviour in Mice. *Journal of Neuroendocrinology*, 23(10), 906-914. doi: 10.1111/j.1365-2826.2011.02196.x. <http://dx.doi.org/10.1111/j.1365-2826.2011.02196.x>

Murray, H. C., Low, V. F., Swanson, M. E. V., Dieriks, B. V., Turner, C., Faull, R. L. M., & Curtis, M. A. (2016). Distribution of PSA-NCAM in normal, Alzheimer's and Parkinson's disease human brain. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.06.003>. <http://www.sciencedirect.com/science/article/pii/S0306452216302330>

Murray, P. S., Kirkwood, C. M., Gray, M. C., Fish, K. N., Ikonovic, M. D., Hamilton, R. L., . . . Sweet, R. A. (2013). Hyperphosphorylated Tau is Elevated in Alzheimer's Disease with Psychosis. *Journal of Alzheimer's Disease*. doi: <http://iospress.metapress.com/content/g876713k538382rq/>

Murray, S. J., Black, B. L., Reid, S. J., Rudiger, S. R., Bawden, C. S., Snell, R. G., . . . Faull, R. L. M. (2019). Chemical neuroanatomy of the substantia nigra in the ovine brain. *Journal of Chemical Neuroanatomy*. doi: <https://doi.org/10.1016/j.jchemneu.2019.01.007>. <http://www.sciencedirect.com/science/article/pii/S0891061818300644>

Murthy, S., Kane, G. A., Katchur, N. J., Lara Mejia, P. S., Obiofuma, G., Buschman, T. J., . . . Gould, E. (2019). Perineuronal nets, inhibitory interneurons and anxiety-related ventral hippocampal neuronal oscillations are altered by early life adversity. *Biological Psychiatry*. doi: <https://doi.org/10.1016/j.biopsych.2019.02.021>. <http://www.sciencedirect.com/science/article/pii/S0006322319301490>

Mus, L., Siani, F., Giuliano, C., Ghezzi, C., Cerri, S., & Blandini, F. (2019). Development and biochemical characterization of a mouse model of Parkinson's disease bearing defective glucocerebrosidase activity. *Neurobiology of Disease*, 124, 289-296. doi: <https://doi.org/10.1016/j.nbd.2018.12.001>, <http://www.sciencedirect.com/science/article/pii/S0969996118307563>

Musacchio, T., Rebenstorff, M., Fluri, F., Brotchie, J. M., Volkmann, J., Koprach, J. B., & Ip, C. W. (2017). STN-DBS is neuroprotective in the A53T α -synuclein Parkinson's disease rat model. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24947. <http://dx.doi.org/10.1002/ana.24947>

Musaelyan, K., Aldridge, S., Du Preez, A., Egeland, M., Zunszain, P. A., Pariante, C. M., . . . Fernandes, C. (2018). Repeated lipopolysaccharide exposure modifies immune and sickness behaviour response in an animal model of chronic inflammation. *Journal of Psychopharmacology*, 026988117746902. doi: <http://journals.sagepub.com/doi/abs/10.1177/026988117746902#articleCita...>

Muschamp, J. W., Dominguez, J. M., Sato, S. M., Shen, R.-Y., & Hull, E. M. (2007). A Role for Hypocretin (Orexin) in Male Sexual Behavior. *Journal of Neuroscience*, 27(11), 2837-2845. doi: 10.1523/jneurosci.4121-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/11/2837>

Mustafa, G., Hou, J., Tsuda, S., Nelson, R., Sinharoy, A., Wilkie, Z., . . . Bose, P. (2016). Trigeminal neuroplasticity underlies allodynia in a preclinical model of mild closed head traumatic brain injury (cTBI). *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2016.03.016>, <http://www.sciencedirect.com/science/article/pii/S0028390816300880>

Mustafa, S., Martin, H. L., Burkly, L., Costa, A., Martins, M. L., Schwaninger, M., & Teismann, P. (2016). The role of TWEAK/Fn14 signaling in the MPTP-model of Parkinson's disease. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.01.034>, <http://www.sciencedirect.com/science/article/pii/S0306452216000622>

Muzzi, P., Camera, P., Di Cunto, F., & Vercelli, A. (2009). Deletion of the citron kinase gene selectively affects the number and distribution of interneurons in barrelfield cortex. *Journal of Comparative Neurology*, 513(3), 249-264. doi.

Mychasiuk, R., Gibb, R., & Kolb, B. (2011). Prenatal bystander stress induces neuroanatomical changes in the prefrontal cortex and hippocampus of developing rat offspring. *Brain Research*. doi.

Mychasiuk, R., Gibb, R., & Kolb, B. (2012). Prenatal stress alters dendritic morphology and synaptic connectivity in the prefrontal cortex and hippocampus of developing offspring. *Synapse*, 66(4), 308-314. doi: 10.1002/syn.21512. <http://dx.doi.org/10.1002/syn.21512>

Myer, D. J., Gurkoff, G. G., Lee, S. M., Hovda, D. A., & Sofroniew, M. V. (2006). Essential protective roles of reactive astrocytes in traumatic brain injury. *Brain*, 129(10), 2761-2772. doi: 10.1093/brain/awl165. <http://brain.oxfordjournals.org/cgi/content/abstract/129/10/2761>

Myers, E. A., Banihashemi, L., & Rinaman, L. (2005). The anxiogenic drug yohimbine activates central viscerosensory circuits in rats. *Journal of Comparative Neurology*, 492(4), 426-441. doi.

Myers, E. A., & Rinaman, L. (2005). Trimethylthiazoline supports conditioned flavor avoidance and activates viscerosensory, hypothalamic, and limbic circuits in rats. *American Journal of Physiological Regulatory Integrative and Comparative Physiology*, 288(6), R1716-1726. doi: 10.1152/ajpregu.00479.2004.
http://ajpregu.physiology.org/cgi/content/abstract/288/6/R_1716

Myöhänen, T. T., Hannula, M. J., Van Elzen, R., Gérard, M., Van Der Veken, P., Garcia-Horsman, J. A., . . . Lambeir, A. M. (2012). A prolyl oligopeptidase inhibitor, KYP-2047, reduces α -synuclein protein levels and aggregates in cellular and animal models of Parkinson's disease. *British Journal of Pharmacology*. doi.

Myrie, S. B., MacKay, D. S., Van Vliet, B. N., & Bertolo, R. F. (2011). Early programming of adult blood pressure in the low birth weight Yucatan miniature pig is exacerbated by a post-weaning high-salt-fat-sugar diet. *British Journal of Nutrition*, 1-1. doi.

Myrie, S. B., McKnight, L. L., Van Vliet, B. N., & Bertolo, R. F. (2011). Low Birth Weight Is Associated with Reduced Nephron Number and Increased Blood Pressure in Adulthood in a Novel Spontaneous Intrauterine Growth-Restricted Model in Yucatan Miniature Swine. *Neonatology*, 100(4), 380-386. doi.

N.C. y Leon, N. d. C. (2013). Transient down-regulation of sound-induced c-Fos protein expression in the inferior colliculus after ablation of the. *Auditory neuroanatomy: A sound foundation for sound processing*, 59. doi.

Naaldijk, Y., Jäger, C., Fabian, C., Leovsky, C., Blüher, A., Rudolph, L., . . . Stolzinger, A. (2016). Effect of systemic transplantation of bone marrow-derived mesenchymal stem cells on neuropathology markers in APP/PS1 Alzheimer mice. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12319. <http://dx.doi.org/10.1111/nan.12319>

Nadeau, J., Smith, T., Lamontagne-Proulx, J., Bourque, M., Al Sweidi, S., Jayasinghe, D., . . . Soulet, D. (2019). Neuroprotection and immunomodulation in the gut of parkinsonian mice with a plasmalogen precursor. *Brain Research*, 146460. doi: <https://doi.org/10.1016/j.brainres.2019.146460>. <http://www.sciencedirect.com/science/article/pii/S0006899319305141>

Nader, K., Majidishad, P., Amorapanth, P., & LeDoux, J. E. (2001). Damage to the Lateral and Central, but Not Other, Amygdaloid Nuclei Prevents the Acquisition of Auditory Fear Conditioning. *Learning and Memory*, 8(3), 156-163. doi. <http://www.learnmem.org/cgi/content/abstract/8/3/156>

Naef, L., Gjerde, E., Long, H., Richard, D., & Walker, C.-D. (2014). Neonatal onset of leptin signaling in dopamine neurons of the ventral tegmental area in the rat. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12221. <http://dx.doi.org/10.1111/jne.12221>

Naert, G., & Rivest, S. (2011). CC Chemokine Receptor 2 Deficiency Aggravates Cognitive Impairments and Amyloid Pathology in a Transgenic Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 31(16), 6208-6220. doi: 10.1523/jneurosci.0299-11.2011. <http://www.jneurosci.org/content/31/16/6208.abstract>

Nagahama, H., Nakazaki, M., Sasaki, M., Kataoka-Sasaki, Y., Namioka, T., Namioka, A., . . . Honmou, O. (2018). Preservation of interhemispheric cortical connections through corpus callosum following intravenous infusion of mesenchymal stem cells in a rat model of cerebral infarction. *Brain Research*, 1695, 37-44. doi: <https://doi.org/10.1016/j.brainres.2018.05.033>. <http://www.sciencedirect.com/science/article/pii/S0006899318302907>

Nagahara, A. H., Bernot, T., Moseanko, R., Brignolo, L., Blesch, A., Conner, J. M., . . . Tuszynski, M. H. (2009). Long-term reversal of cholinergic neuronal decline in aged non-human primates by lentiviral NGF gene delivery. *Experimental Neurology*, 215(1), 153-159. doi.

Nagahara, A. H., Mateling, M., Kovacs, I., Wang, L., Eggert, S., Rockenstein, E., . . . Tuszynski, M. H. (2013). Early BDNF Treatment Ameliorates Cell Loss in the Entorhinal Cortex of APP Transgenic Mice. *Journal of Neuroscience*, 33(39), 15596-15602. doi: 10.1523/jneurosci.5195-12.2013. <http://www.jneurosci.org/content/33/39/15596.abstract>

Nagahara, A. H., Merrill, D. A., Coppola, G., Tsukada, S., Schroeder, B. E., Shaked, G. M., . . . Tuszynski, M. H. (2009). Neuroprotective effects of brain-derived neurotrophic factor in rodent and primate models of Alzheimer's disease. *Nature Medicine*, advanced online publication. doi: <http://dx.doi.org/10.1038/nm.1912>

http://www.nature.com/nm/journal/vaop/ncurrent/supinfo/nm.1912_S1.html

Nagahara, A. H., Wilson, B. R., Ivasyk, I., Kovacs, I., Rawalji, S., Bringas, J. R., . . . Bankiewicz, K. S. (2018). MR-guided delivery of AAV2-BDNF into the entorhinal cortex of non-human primates. *Gene Therapy*, 1. doi: <https://www.nature.com/articles/s41434-018-0010-2>

Nagasaka, K., Takashima, I., Matsuda, K., & Higo, N. (2017). Late-onset hypersensitivity after a lesion in the ventral posterolateral nucleus of the thalamus: A macaque model of central post-stroke pain. *Scientific Reports*, 7, 10316. doi: 10.1038/s41598-017-10679-2. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5583363/>

Nagel, F., Falkenburger, B. H., Tonges, L., Kowsky, S., Poppelmeier, C., Schulz, J. B., . . . Dietz, G. P. H. (2008). Tat-Hsp70 protects dopaminergic neurons in midbrain cultures and in the substantia nigra in models of Parkinson's disease. *Journal of Neurochemistry*, 105(3), 853- 864. doi: doi:10.1111/j.1471-4159.2007.05204.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.05204.x>

Nagloo, N., Coimbra, J. P., Hoops, D., Hart, N. S., Collin, S. P., & Hemmi, J. M. (2019). Retinal topography and microhabitat diversity in a group of dragon lizards. *Journal of Comparative Neurology*, 0(ja). doi: 10.1002/cne.24780. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24780>

Nagloo, N., Collin, S. P., Hemmi, J. M., & Hart, N. S. (2016). Spatial resolving power and spectral sensitivity of the saltwater crocodile, *Crocodylus porosus*, and the freshwater crocodile, *Crocodylus johnstoni*. [10.1242/jeb.135673]. *Journal of Experimental Biology*, 219(9), 1394-1404. doi: <http://jeb.biologists.org/content/219/9/1394.abstract>

Nagloo, N., Hart, N. S., & Collin, S. P. (2017). Ontogenetic changes in spectral sensitivity and retinal topography in the retina of the yellowtail kingfish (*Seriola lalandi*): Implications for the global *Seriola* aquaculture industry. *Aquaculture*, 474, 130-137. doi: <http://doi.org/10.1016/j.aquaculture.2017.03.042>. <http://www.sciencedirect.com/science/article/pii/S0044848616305646>

Nagy, P. M., & Aubert, I. (2012). Overexpression of the vesicular acetylcholine transporter increased acetylcholine release in the hippocampus. *Neuroscience*. doi.

Naidoo, N., Zhu, J., Galante, R. J., Lian, J., Strus, E., Lee, A., . . . Pack, A. I. (2018). Reduction of the molecular chaperone BiP accentuates the effect of aging on sleep-wake behavior. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2018.04.011>. <https://www.sciencedirect.com/science/article/pii/S0197458018301453>

Nair-Roberts, R. G., Chatelain-Badie, S. D., Benson, E., White-Cooper, H., Bolam, J. P., & Ungless, M. A. (2008). Stereological estimates of dopaminergic, GABAergic and glutamatergic neurons in the ventral tegmental area, substantia nigra and retrorubral field in the rat. *Neuroscience*, 152(4), 1024-1031. doi.

Nakada, S., Chen, X., Lim, Y.-P., & Stonestreet, B. S. (2017). Abstract WMP116: The Effects of Immediate Treatment with Inter-alpha Inhibitor Proteins on Apoptosis in Neonatal Rats Exposed to Hypoxic-ischemic Injury. *Stroke*, 48(Suppl 1), AWMP116. doi: http://stroke.ahajournals.org/content/48/Suppl_1/AWMP116.abstract

Nakadate, K., Imamura, K., & Watanabe, Y. (2011). Effects of monocular deprivation on the spatial pattern of visually induced expression of c-Fos protein. *Neuroscience*. doi.

Nakamura, N. H., Rosell, D. R., Akama, K. T., & McEwen, B. S. (2004). Estrogen and Ovariectomy Regulate mRNA and Protein of Glutamic Acid Decarboxylases and Cation- Chloride Cotransporters in the Adult Rat Hippocampus. *Neuroendocrinology*, 80(5), 308-323. doi: <http://www.karger.com/DOI/10.1159/000083657>

Nakazaki, M., Sasaki, M., Kataoka-Sasaki, Y., Oka, S., Suzuki, J., Sasaki, Y., . . . Honmou, O. (2019). Intravenous infusion of mesenchymal stem cells improves impaired cognitive function in a cerebral small vessel disease model. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.04.018>. <http://www.sciencedirect.com/science/article/pii/S0306452219302581>

Naldini, L., Blomer, U., Gallay, P., Ory, D., Mulligan, R., & Gage, F. H. (1996). In vivo gene delivery and stable transduction of nondividing cells by a lentiviral vector. *Science*, 272. doi: 10.1126/science.272.5259.263. <http://dx.doi.org/10.1126/science.272.5259.263>

Nam, J. H., Park, E. S., Won, S.-Y., Lee, Y. A., Kim, K. I., Jeong, J. Y., . . . Jin, B. K. (2015). TRPV1 on astrocytes rescues nigral dopamine neurons in Parkinson's disease via CNTF. [10.1093/brain/awv297]. *Brain*. doi: <http://brain.oxfordjournals.org/content/early/2015/10/15/brain.awv297.ab...>

Nam, K. N., Choi, Y. S., Jung, H. J., Park, G. H., Park, J. M., Moon, S. K., . . . others. (2010). Genipin inhibits the inflammatory response of rat brain microglial cells. *International Immunopharmacology*, 10(4), 493-499. doi.

Nana, A. L., Sidhu, M., Gaus, S. E., Hwang, J.-H. L., Li, L., Park, Y., . . . Seeley, W. W. (2018). Neurons selectively targeted in frontotemporal dementia reveal early stage TDP-43 pathobiology. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-018-1942-8. <https://doi.org/10.1007/s00401-018-1942-8>

Narayan, P., Reid, S., Scotter, E. L., McGregor, A. L., Mehrabi, N. F., Singh-Bains, M. K., . . . Dragunow, M. (2020). Inconsistencies in histone acetylation patterns among different HD model systems and HD post-mortem brains. *Neurobiology of Disease*, 146, 105092. doi: <https://doi.org/10.1016/j.nbd.2020.105092>.
<http://www.sciencedirect.com/science/article/pii/S0969996120303673>

Narayan, P. J., & Dragunow, M. (2010). High content analysis of histone acetylation in human cells and tissues. *Journal of Neuroscience Methods*, 193(1), 54-61. doi.

Narkilahti, S., Nissinen, J., & Pitkänen, A. (2003). Administration of caspase 3 inhibitor during and after status epilepticus in rat: effect on neuronal damage and epileptogenesis. *Neuropharmacology*, 44(8), 1068-1088. doi.

Naseer, M. I., Najeeb, U., Ikram, U., Zubair, H., Hassan, M., Yang, B. C., & Kim, M. O. (2009). Vitamin-C protect ethanol induced apoptotic neurodegeneration in postnatal rat brain. *Pakistan Journal of Medical Sciences*, 25, 718-722. doi.

Nash, A., Aumann, T. D., Pigoni, M., Lichtenthaler, S. F., Takeshima, H., Munro, K. M., & Gunnersen, J. M. (2019). Lack of Sez6 Family Proteins Impairs Motor Functions, Short-Term Memory, and Cognitive Flexibility, and Alters Dendritic Spine Properties. *Cerebral Cortex*. doi: 10.1093/cercor/bhz230. <https://doi.org/10.1093/cercor/bhz230>

Naska, S., Cenni, M. C., Menna, E., & Maffei, L. (2004). ERK signaling is required for eye-specific retino-geniculate segregation. *Development*, 131(15), 3559-3570. doi: 10.1242/dev.01212. <http://dev.biologists.org/cgi/content/abstract/131/15/3559>

Nasrallah, H. A., Hopkins, T., & Pixley, S. K. (2010). Differential effects of antipsychotic and antidepressant drugs on neurogenic regions in rats. *Brain Research*, 1354, 23-29. doi.

Natah, S. S., Srinivasan, S., Pittman, Q., Zhao, Z., & Dunn, J. F. (2009). Effects of acute hypoxia and hyperthermia on the permeability of the blood-brain barrier in adult rats. *Journal of Applied Physiology*, 107(4), 1348-1356. doi: 10.1152/jappphysiol.91484.2008.
<http://jap.physiology.org/cgi/content/abstract/107/4/1348>

Natarajan, C., Muthian, G., Barak, Y., Evans, R. M., & Bright, J. J. (2003). Peroxisome proliferator-activated receptor-gamma-deficient heterozygous mice develop an exacerbated neural antigen-induced Th1 response and experimental allergic encephalomyelitis. *Journal of Immunology*, 171. doi: 10.4049/jimmunol.171.11.5743. <http://dx.doi.org/10.4049/jimmunol.171.11.5743>

Nathan, C., Calingasan, N., Nezezon, J., Ding, A., Lucia, M. S., La Perle, K., . . . others. (2005). Protection from Alzheimer's-like disease in the mouse by genetic ablation of inducible nitric oxide synthase. *Journal of Experimental Medicine*, 202(9), 1163-1163. doi.

Naugle, M. M., Nguyen, L. T., Merceron, T. K., Filardo, E., Janssen, W. G. M., Morrison, J. H., . . . Gore, A. C. (2014). G-protein coupled estrogen receptor, estrogen receptor α , and progesterone receptor immunohistochemistry in the hypothalamus of aging female rhesus macaques given long-term estradiol treatment. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*, n/a-n/a. doi: 10.1002/jez.1871. <http://dx.doi.org/10.1002/jez.1871>

Naumann, R. K., Anjum, F., Roth-Alpermann, C., & Brecht, M. (2012). Cytoarchitecture, areas, and neuron numbers of the etruscan shrew cortex. *Journal of Comparative Neurology*. doi.

Naumann, R. K., Ray, S., Prokop, S., Las, L., Heppner, F. L., & Brecht, M. (2015). Conserved size & periodicity of pyramidal patches in layer 2 of medial/caudal entorhinal cortex. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23865. <http://dx.doi.org/10.1002/cne.23865>

Naumann, T., Casademunt, E., Hollerbach, E., Hofmann, J., Dechant, G., Frotscher, M., & Barde, Y.-A. (2002). Complete Deletion of the Neurotrophin Receptor p75NTR Leads to Long-Lasting Increases in the Number of Basal Forebrain Cholinergic Neurons. *Journal of Neuroscience*, 22(7), 2409-2418. doi. <http://www.jneurosci.org/cgi/content/abstract/22/7/2409>

Naumann, T., Schnell, O., Zhi, Q., Kirsch, M., Schubert, K. O., Sendtner, M., & Hofmann, H.-D. (2003). Endogenous Ciliary Neurotrophic Factor Protects GABAergic, But Not Cholinergic, Septohippocampal Neurons Following Fimbria-fornix Transection. *Brain Pathology*, 13(3), 309-321. doi: doi:10.1111/j.1750-3639.2003.tb00030.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1750-3639.2003.tb00030.x>

Navailles, S., Hof, P. R., & Schmauss, C. (2008). Antidepressant drug-induced stimulation of mouse hippocampal neurogenesis is age-dependent and altered by early life stress. *Journal of Comparative Neurology*, 509(4), 372-381. doi.

Navarro, A. I., & Mandyam, C. D. (2015). Protracted abstinence from chronic ethanol exposure alters the structure of neurons and expression of oligodendrocytes and myelin in the medial prefrontal cortex. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.02.043>. <http://www.sciencedirect.com/science/article/pii/S0306452215001955>

Navas, C. A., Antoniazzi, M. M., Carvalho, J. E., Chaui-Berlink, J. G., James, R. S., Jared, C., . . . Wilson, R. S. (2004). *The Journal of Bxpcchmenal Biology* 207. 2433-2441 2433 Published by

The Company of Biologists 2004 doi: 10.1242/jeb.01041 Morphological and physiological specialization for digging in amphisbaenians, an ancient lineage of fossorial vertebrates. *Journal of Experimental Biology*, 207(13), 2433-2433. doi.

Navas, C. A., Antoniazzi, M. M., Carvalho, J. E., Chaui-Berlink, J. G., James, R. S., Jared, C., . . . Wilson, R. S. (2004). Morphological and physiological specialization for digging in amphisbaenians, an ancient lineage of fossorial vertebrates. *Journal of Experimental Biology*, 207(14), 2433-2441. doi.

Ndode-Ekane, X. E., Hayward, N., Gröhn, O., & Pitkänen, A. (2010). Vascular changes in epilepsy: functional consequences and association with network plasticity in pilocarpine-induced experimental epilepsy. *Neuroscience*, 166(1), 312-332. doi.

Neckameyer, W. S. (2010). A Trophic Role for Serotonin in the Development of a Simple Feeding Circuit. *Developmental Neuroscience*, 32, 217-237. doi.

Nehrenberg, D., Sheikh, A., & Ghashghaei, H. (2012). Identification of neuronal loci involved with displays of affective aggression in NC900 mice. *Brain Structure and Function*, 1-17. doi: 10.1007/s00429-012-0445-y. <http://dx.doi.org/10.1007/s00429-012-0445-y>

Neigh, G. N., Nemeth, C. L., Kelly, S. D., Hardy, E. E., Bourke, C., Stowe, Z. N., & Owens, M. J. (2016). Prenatal stress-induced increases in hippocampal von Willebrand factor expression are prevented by concurrent prenatal escitalopram. *Physiology and Behavior*. doi: <http://dx.doi.org/10.1016/j.physbeh.2016.07.009>.
<http://www.sciencedirect.com/science/article/pii/S0031938416305339>

Nelson, L. H., & Lenz, K. M. (2016). Microglia depletion in early life programs persistent changes in social, mood-related, and locomotor behavior in male and female rats. *Behavioural Brain Research*. doi: <http://dx.doi.org/10.1016/j.bbr.2016.09.006>.
<http://www.sciencedirect.com/science/article/pii/S0166432816305885>

Nelson, L. H., Peketi, P., & Lenz, K. M. (2020). Microglia Regulate Cell Genesis in a Sex-dependent Manner in the Neonatal Hippocampus. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2020.10.009>.
<http://www.sciencedirect.com/science/article/pii/S0306452220306606>

Nelson, L. H., Warden, S., & Lenz, K. M. (2017). Sex differences in microglial phagocytosis in the neonatal hippocampus. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2017.03.010>.
<http://www.sciencedirect.com/science/article/pii/S0889159117301009>

Nelvagal, H. R., Hurtado, M. L., Eaton, S. L., Kline, R. A., Lamont, D. J., Sands, M. S., . . . Cooper, J. D. (2020). Comparative proteomic profiling reveals mechanisms for early spinal cord vulnerability in CLN1 disease. *Scientific Reports*, 10(1), 15157. doi: 10.1038/s41598-020-72075-7
<https://doi.org/10.1038/s41598-020-72075-7>

Nemeth, C. L., Shurte, M. S., McTigue, D. M., Nemeroff, C. B., & Neigh, G. N. (2012). Microembolism infarcts lead to delayed changes in affective-like behaviors followed by

spatial memory impairment. Behavioural Brain Research, (o). doi:

10.1016/j.bbr.2012.06.014.

<http://www.sciencedirect.com/science/article/pii/S0166432812004275?v=s5>

Nessler, J. A., Minakata, K., Sharp, K., & Reinkensmeyer, D. J. (2007). Robot-assisted hindlimb extension increases the probability of swing initiation during treadmill walking by spinal cord contused rats. *Journal of Neuroscience Methods*, 159(1), 66-77. doi:

Nestor, J., Arinuma, Y., Huerta, T. S., Kowal, C., Nasiri, E., Kello, N., . . . Diamond, B. (2018). Lupus antibodies induce behavioral changes mediated by microglia and blocked by ACE inhibitors. [10.1084/jem.20180776]. *The Journal of Experimental Medicine*.

doi: <http://jem.rupress.org/content/early/2018/09/04/jem.20180776.abstract>

Neto, S. C., Salti, A., Puschban, Z., Stefanova, N., Nat, R., Dechant, G., & Wenning, G. K. (2012). Cell Fate Analysis of Embryonic Ventral Mesencephalic Grafts in the 6-OHDA Model of Parkinson's Disease. *Plos one*, 7(11), e50178. doi:

10.1371/journal.pone.0050178. <http://dx.doi.org/10.1371%2Fjournal.pone.0050178>

Neuberger, E. J., Abdul Wahab, R., Jayakumar, A., Pfister, B. J., & Santhakumar, V. (2014). Distinct effect of impact rise times on immediate and early neuropathology after brain injury in juvenile rats. *Journal of Neuroscience Research*, n/a-n/a. doi:

10.1002/jnr.23401. <http://dx.doi.org/10.1002/jnr.23401>

Neuberger, E. J., Swietek, B., Corrubia, L., Prasanna, A., & Santhakumar, V. (2017). Enhanced Dentate Neurogenesis after Brain Injury Undermines Long-Term Neurogenic Potential and Promotes Seizure Susceptibility. *Stem Cell Reports*.

doi: <http://www.sciencedirect.com/science/article/pii/S2213671117303259>

Neumann, M., Liu, W., Sun, C., Yang, S. Y., Noble-Haeusslein, L. J., & Liu, J. (2016). Training of the impaired forelimb after traumatic brain injury enhances hippocampal neurogenesis in the Emx1 null mice lacking a corpus callosum. *Behavioural Brain Research*.

doi: <http://dx.doi.org/10.1016/j.bbr.2016.09.013>.

<http://www.jneurosci.org/content/36/36/9446.short>

Newman, A. S., Marshall, J. N., & Collin, S. P. (2013). Visual Eyes: A Quantitative Analysis of the Photoreceptor Layer in Deep-Sea Sharks. *Brain, Behavior and Evolution*, 82(4), 237-249.

doi: <http://www.karger.com/Article/FullText/355370>

Newton, I. G., Forbes, M. E., Linville, M. C., Pang, H., Tucker, E. W., Riddle, D. R., & Brunso-Bechtold, J. K. (2008). Effects of aging and caloric restriction on dentate gyrus synapses and glutamate receptor subunits. *Neurobiology of Aging*, 29(9), 1308-1318. doi:

Newton, S. S., Girgenti, M. J., Collier, E. F., & Duman, R. S. (2006). Electroconvulsive seizure increases adult hippocampal angiogenesis in rats. *European Journal of Neuroscience*, 24(3), 819-828. doi: doi:10.1111/j.1460-9568.2006.04958.x.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.04958.x>

Newville, J., Valenzuela, C. F., Li, L., Jantzie, L. L., & Cunningham, L. A. (2017). Acute oligodendrocyte loss with persistent white matter injury in a third trimester equivalent

mouse model of fetal alcohol spectrum disorder. *Glia*, n/a-n/a. doi: 10.1002/glia.23164. <http://dx.doi.org/10.1002/glia.23164>

Neymotin, A., Petri, S., Calingasan, N. Y., Wille, E., Schafer, P., Stewart, C., . . . Kiaei, M. (2009). Lenalidomide (Revlimid[®]) administration at symptom onset is neuroprotective in a mouse model of amyotrophic lateral sclerosis. *Experimental Neurology*, 220(1), 191-197. doi.

Nguemeni, C., Gomez-Smith, M., Jeffers, M., Schuch, C. P., & Corbett, D. (2015). Time course of neuronal death following endothelin-1 induced focal ischemia in rats. *Journal of Neuroscience Methods*, (0). doi: <http://dx.doi.org/10.1016/j.jneumeth.2015.01.005>.
<http://www.sciencedirect.com/science/article/pii/S0165027015000060>

Nguyen, A. P. T., Daniel, G., Valdés, P., Islam, S., Schneider, B. L., & Moore, D. J. (2017). G2019S LRRK2 Enhances the Neuronal Transmission of Tau in the Mouse Brain. *Human Molecular Genetics*, ddx389-ddx389. doi: 10.1093/hmg/ddx389. <http://dx.doi.org/10.1093/hmg/ddx389>

Nguyen, H. P., Kobbe, P., Rahne, H., Worpel, T., Jager, B., Stephan, M., . . . von Horsten, S. (2006). Behavioral abnormalities precede neuropathological markers in rats transgenic for Huntington's disease. *Human Molecular Genetics*, 15(21), 3177-3194. doi: 10.1093/hmg/ddl394. <http://hmg.oxfordjournals.org/cgi/content/abstract/15/21/3177>

Nguyen, H. X., Hooshmand, M. J., Saiwai, H., Maddox, J., Salehi, A., Lakatos, A., . . . Anderson, A. J. (2017). Systemic neutrophil depletion modulates the migration and fate of transplanted human neural stem cells to rescue functional repair. [10.1523/JNEUROSCI.2785-16.2017]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2017/08/28/JNEUROSCI.2785-16.2017...>

Nguyen, M. V. C., Du, F., Felice, C. A., Shan, X., Nigam, A., Mandel, G., . . . Ballas, N. (2012). MeCP2 Is Critical for Maintaining Mature Neuronal Networks and Global Brain Anatomy during Late Stages of Postnatal Brain Development and in the Mature Adult Brain. *Journal of Neuroscience*, 32(29), 10021-10034. doi: 10.1523/jneurosci.1316-12.2012. <http://www.jneurosci.org/content/32/29/10021.abstract>

Nguyen, Q.-N., Zerafa, N., Liew, S. H., Morgan, F. H., Strasser, A., Scott, C. L., . . . Hutt, K. J. (2018). Loss of PUMA protects the ovarian reserve during DNA-damaging chemotherapy and preserves fertility. *Cell death & disease*, 9(6), 618. doi: 10.1038/s41419-018-0633-7. <https://doi.org/10.1038/s41419-018-0633-7>

Nguyen, T., Mehta, N. R., Conant, K., Kim, K.-J., Jones, M., Calabresi, P. A., . . . Griffin, J. W. (2009). Axonal Protective Effects of the Myelin-Associated Glycoprotein. *Journal of Neuroscience*, 29(3), 630-637. doi: 10.1523/jneurosci.5204-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/3/630>

Nguyen, V., Sabeur, K., Maltepe, E., Ameri, K., Bayraktar, O., & Rowitch, D. H. (2017). Sonic Hedgehog Agonist Protects Against Complex Neonatal Cerebellar Injury. [journal article]. *The Cerebellum*. doi: 10.1007/s12311-017-0895-0. <https://doi.org/10.1007/s12311-017-0895-0>

Nguyen, V. T., Uchida, R., Warling, A., Sloan, L. J., Saviano, M. S., Wicinski, B., . . . Jacobs, B. (2019). Comparative neocortical neuromorphology in felids: African lion (*Panthera leo leo*), African leopard (*Panthera pardus pardus*), and cheetah (*Acinonyx jubatus jubatus*). *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24823. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24823>

Ngwenya, A., Nahirney, J., Brinkman, B., Williams, L., & Iwaniuk, A. N. (2017). Comparison of estimates of neuronal number obtained using the isotropic fractionator method and unbiased stereology in day old chicks (*Gallus domesticus*). *Journal of Neuroscience Methods*. doi: <https://doi.org/10.1016/j.jneumeth.2017.05.025>. <http://www.sciencedirect.com/science/article/pii/S0165027017301589>

Ngwenya, L. B., Peters, A., & Rosene, D. L. (2005). Light and Electron Microscopic Immunohistochemical Detection of Bromodeoxyuridine-labeled Cells in the Brain: Different Fixation and Processing Protocols. *Journal of Histochemical and Cytochemistry*, 53(7), 821- 832. doi: 10.1369/jhc.4A6605.2005. <http://www.jhc.org/cgi/content/abstract/53/7/821>

Ni, N., Hu, Y., Ren, H., Luo, C., Li, P., Wan, J.-B., & Su, H. (2013). Self-Assembling Peptide Nanofiber Scaffolds Enhance Dopaminergic Differentiation of Mouse Pluripotent Stem Cells in 3-Dimensional Culture. *Plos one*, 8(12), e84504. doi: 10.1371/journal.pone.0084504. <http://dx.doi.org/10.1371%2Fjournal.pone.0084504>

Nicholls, F. J., Rotz, M. W., Ghuman, H., MacRenaris, K. W., Meade, T. J., & Modo, M. (2016). DNA-gadolinium-gold nanoparticles for in vivo T1 MR imaging of transplanted human neural stem cells. *Biomaterials*, 77, 291-306. doi: <http://dx.doi.org/10.1016/j.biomaterials.2015.11.021>. <http://www.sciencedirect.com/science/article/pii/S0142961215009175>

Nicholson, J. D., Puche, A. C., Guo, Y., Weinreich, D., Slater, B. J., & Bernstein, S. L. (2012). PGJ2 Provides Prolonged CNS Stroke Protection by Reducing White Matter Edema. *Plos one*, 7(12), e50021. doi.

Nickerson, C. A., Brown, A. L., Yu, W., Chun, Y., & Glenn, M. J. (2017). Prenatal choline supplementation attenuates MK-801-induced deficits in memory, motor function, and hippocampal plasticity in adult male rats. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.07.071>. <http://www.sciencedirect.com/science/article/pii/S0306452217305572>

Nickerson, P. E. B., Da Silva, N., Myers, T., Stevens, K., & Clarke, D. B. (2008). Neural progenitor potential in cultured Müller glia: effects of passaging and exogenous growth factor exposure. *Brain Research*, 1230, 1-12. doi.

Nickerson, P. E. B., Emsley, J. G., Myers, T., & Clarke, D. B. (2007). Proliferation and expression of progenitor and mature retinal phenotypes in the adult mammalian ciliary body after retinal ganglion cell injury. *Investigative Ophthalmology and Visual Science*, 48(11), 5266- 5266. doi.

Nickerson, P. E. B., McLeod, M. C., Myers, T., & Clarke, D. B. (2011). Effects of epidermal growth factor and erythropoietin on Müller glial activation and phenotypic plasticity in the adult mammalian retina. *Journal of Neuroscience Research*, 89(7), 1018-1030. doi: 10.1002/jnr.22629. <http://dx.doi.org/10.1002/jnr.22629>

Nicoletti, J. N., Lenzer, J., Salerni, E. A., Shah, S. K., Elkady, A., Khalid, S., . . . Croll, S. D. (2010). Vascular endothelial growth factor attenuates status epilepticus-induced behavioral impairments in rats. *Epilepsy and Behavior*, 19(3), 272-277. doi.

Nicoletti, J. N., Shah, S. K., McCloskey, D. P., Goodman, J. H., Elkady, A., Atassi, H., . . . Croll, S. D. (2008). Vascular endothelial growth factor is up-regulated after status epilepticus and protects against seizure-induced neuronal loss in hippocampus. *Neuroscience*, 151(1), 232-241. doi.

Nie, D., Nardo, A., Han, J. M., Baharanyi, H., Kramvis, I., & Huynh, T. (2010). Tsc2-Rheb signaling regulates EphA-mediated axon guidance. *Nature Neuroscience*, 13. doi: 10.1038/nn.2477. <http://dx.doi.org/10.1038/nn.2477>

Nielson, J. L., Sears-Kraxberger, I., Strong, M. K., Wong, J. K., Willenberg, R., & Steward, O. (2010). Unexpected Survival of Neurons of Origin of the Pyramidal Tract after Spinal Cord Injury. *Journal of Neuroscience*, 30(34), 11516-11528. doi: 10.1523/jneurosci.1433-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/34/11516>

Nielson, J. L., Strong, M. K., & Steward, O. (2011). A reassessment of whether cortical motor neurons die following spinal cord injury. *Journal of Comparative Neurology*, 519(14), 2852- 2869. doi: 10.1002/cne.22661. <http://dx.doi.org/10.1002/cne.22661>

Nih, L. R., Gojgini, S., Carmichael, S. T., & Segura, T. (2018). Dual-function injectable angiogenic biomaterial for the repair of brain tissue following stroke. *Nature Materials*. doi: 10.1038/s41563-018-0083-8. <https://doi.org/10.1038/s41563-018-0083-8>

Nikizad, H., Yon, J. H., Carter, L. B., & Jevtovic-Todorovic, V. (2007). Early Exposure to General Anesthesia Causes Significant Neuronal Deletion in the Developing Rat Brain. *Annals of the New York Academy of Sciences*, 1122(1), 69-82. doi: doi:10.1196/annals.1403.005. <http://www.blackwell-synergy.com/doi/abs/10.1196/annals.1403.005>

Nikolajsen, G. N., Jensen, M. S., & West, M. J. (2011). Cholinergic axon length reduced by 300 meters in the brain of an Alzheimer mouse model. *Neurobiology of Aging*. doi.

Nikolajsen, G. N., Jensen, M. S., & West, M. J. (2015). A zinc fixative for 3D visualization of cerebral capillaries and pericytes. *Journal of Neuroscience Methods*. doi: <http://dx.doi.org/10.1016/j.jneumeth.2015.09.016>. <http://www.sciencedirect.com/science/article/pii/S0165027015003490>

Nikolajsen, G. N., Kotynski, K. A., Jensen, M. S., & West, M. J. (2015). Quantitative analysis of the capillary network of aged APP^{swe}/PS1^{dE9} transgenic mice. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.08.004>. <http://www.sciencedirect.com/science/article/pii/S0197458015004157>

Nikulina, E., Lacagnina, M., Fanous, S., Wang, J., & Hammer, R. (2012). Intermittent Social Defeat Stress Enhances Mesocorticolimbic FosB/BDNF Co-Expression and Persistently Activates Corticotegmental Neurons: Implication for Vulnerability to Psychostimulants. *Neuroscience*. doi.

Niquet, J., Baldwin, R., Norman, K., Suchomelova, L., Lumley, L., & Wasterlain, C. G. (2016). Midazolam-ketamine dual therapy stops cholinergic status epilepticus and reduces Morris water maze deficits. *Epilepsia*, n/a-n/a. doi: 10.1111/epi.13480. <http://dx.doi.org/10.1111/epi.13480>

Niquet, J., Gezalian, M., Baldwin, R., & Wasterlain, C. G. (2015). Neuroprotective effects of deep hypothermia in refractory status epilepticus. *Annals of Clinical and Translational Neurology*, n/a-n/a. doi: 10.1002/acn3.262. <http://dx.doi.org/10.1002/acn3.262>

Nirgudkar, P., Taylor, D. H., Yanagawa, Y., & Valenzuela, C. F. (2016). Ethanol exposure during development reduces GABAergic/glycinergic neuron numbers and lobule volumes in the mouse cerebellar vermis. *Neuroscience Letters*, 632, 86-91. doi: <http://dx.doi.org/10.1016/j.neulet.2016.08.039>. <http://www.sciencedirect.com/science/article/pii/S0304394016306292>

Nishi, R. A., Badner, A., Hooshmand, M. J., Creasman, D. A., Liu, H., & Anderson, A. J. (2020). The effects of mouse strain and age on a model of unilateral cervical contusion spinal cord injury. *Plos one*, 15(6), e0234245. doi: 10.1371/journal.pone.0234245. <https://doi.org/10.1371/journal.pone.0234245>

Nishi, R. A., Liu, H., Chu, Y., Hamamura, M., Su, M. Y., Nalcioglu, O., & Anderson, A. J. (2007). Behavioral, histological, and ex vivo magnetic resonance imaging assessment of graded contusion spinal cord injury in mice. *Journal of Neurotrauma*, 24(4), 674-689. doi.

Nishibe, M., Barbay, S., Guggenmos, D., & Nudo, R. J. (2010). Reorganization of motor cortex after controlled cortical impact in rats and implications for functional recovery. *Journal of Neurotrauma*, 27(12), 2221-2232. doi.

Nishibe, M., Urban, E. T. R., Barbay, S., & Nudo, R. J. (2014). Rehabilitative Training Promotes Rapid Motor Recovery but Delayed Motor Map Reorganization in a Rat Cortical Ischemic Infarct Model. *Neurorehabilitation and neural repair*. doi: 10.1177/1545968314543499. <http://nnr.sagepub.com/content/early/2014/07/18/15459683.14543499.abstract>

Nishioka, N., & Arnold, S. E. (2004). Evidence for oxidative DNA damage in the hippocampus of elderly patients with chronic schizophrenia. *American Journal of Geriatric Psychiatry*, 12(2), 167-167. doi.

Nissinen, J., Lukasiuk, K., & Pitkänen, A. (2001). Is mossy fiber sprouting present at the time of the first spontaneous seizures in rat experimental temporal lobe epilepsy? *Hippocampus*, 11(3), 299-310. doi.

Niwa, K., Mizutani, K., Matsui, T., Kawauchi, S., Sato, S., Shiotani, A., & Kobayashi, Y. (2020). Tinnitus rat model generated by laser-induced shock wave; a platform for analyzing the

central nervous system after tinnitus generation. *Auris, Nasus, Larynx*.

doi: <https://doi.org/10.1016/j.anl.2020.07.019>.

<http://www.sciencedirect.com/science/article/pii/S038581462030198X>

Noain, D., Büchele, F., Schreglmann, S. R., Valko, P. O., Gavrilov, Y., Morawska, M. M., . . . Baumann, C. R. (2017). Increased sleep need and reduction of tuberomammillary histamine neurons after rodent traumatic brain injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5067. <https://doi.org/10.1089/neu.2017.5067>

Nobili, A., Krashia, P., Cordella, A., La Barbera, L., Dell'Acqua, M. C., Caruso, A., . . . D'Amelio, M. (2018). Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-0911-5. <https://doi.org/10.1007/s12035-018-0911-5>

Nobili, A., Latagliata, E. C., Viscomi, M. T., Cavallucci, V., Cutuli, D., Giacobuzzo, G., . . . D'Amelio, M. (2017). Dopamine neuronal loss contributes to memory and reward dysfunction in a model of Alzheimer's disease. [Article]. *Nature Communications*, 8, 14727. doi: 10.1038/ncomms14727

<https://www.nature.com/articles/ncomms14727#supplementary-information>. <http://dx.doi.org/10.1038/ncomms14727>

Noda, S., Sato, S., Fukuda, T., Tada, N., & Hattori, N. (2020). Aging-related motor function and dopaminergic neuronal loss in C57BL/6 mice. *Molecular Brain*, 13(1), 46. doi: 10.1186/s13041-020-00585-6. <https://doi.org/10.1186/s13041-020-00585-6>

Noda, S., Sato, S., Fukuda, T., Tada, N., Uchiyama, Y., Tanaka, K., & Hattori, N. (2019). Loss of Parkin contributes to mitochondrial turnover and dopaminergic neuronal loss in aged mice. *Neurobiology of Disease*, 104717.

doi: <https://doi.org/10.1016/j.nbd.2019.104717>.

<http://www.sciencedirect.com/science/article/pii/S0969996119303924>

Nodal, F. R., Doubell, T. P., Jiang, Z. D., Thompson, I. D., & King, A. J. (2005). Development of the projection from the nucleus of the brachium of the inferior colliculus to the superior colliculus in the ferret. . *Journal of Comparative Neurology*, 485(3), 202-217. doi.

Nodal, F. R., Kacelnik, O., Bajo, V. M., Bizley, J. K., Moore, D. R., & King, A. J. (2009). Lesions of the Auditory Cortex impair Azimuthal Sound Localization and its Recalibration in Ferrets. *Journal of Neurophysiology*, 00991.02009. doi:

10.1152/jn.00991.2009. <http://jn.physiology.org/cgi/content/abstract/00991.2009v1>

Noga, B. R., Johnson, D. M. G., Riesgo, M. I., & Pinzon, A. (2009). Locomotor-activated neurons of the cat. I. Serotonergic innervation and co-localization of 5-HT₇, 5-HT_{2A} and 5-HT_{1A} receptors in the thoraco-lumbar spinal cord. *Journal of Neurophysiology*, 91179.92008. doi: 10.1152/jn.91179.2008.

<http://jn.physiology.org/cgi/content/abstract/91179.2008v1>

Noga, B. R., Johnson, D. M. G., Riesgo, M. I., & Pinzon, A. (2011). Locomotor-activated neurons of the cat. II. Noradrenergic innervation and colocalization with NE α 1a or NE α 2b receptors in the thoraco-lumbar spinal cord. *Journal of Neurophysiology*, 105(4), 1835-1849. doi.

Noguchi, K., Johnson, S., Dissen, G., Martin, L., Manzella, F., Schenning, K., . . . Brambrink, A. (2017). Isoflurane exposure for three hours triggers apoptotic cell death in neonatal macaque brain. *BJA: British Journal of Anaesthesia*, 119(3), 524-531. doi: <https://academic.oup.com/bja/article-abstract/119/3/524/4107995>

Noguchi, K. K., Fuhler, N. A., Wang, S. H., Capuano, S., Brunner, K. R., Larson, S., . . . Ikonomidou, C. (2021). Brain pathology caused in the neonatal macaque by short and prolonged exposures to anticonvulsant drugs. *Neurobiology of Disease*, 149, 105245. doi: <https://doi.org/10.1016/j.nbd.2020.105245>.
<http://www.sciencedirect.com/science/article/pii/S0969996120305210>

Noguchi, K. K., Johnson, S. A., Kristich, L. E., Martin, L. D., Dissen, G. A., Olsen, E. A., . . . Brambrink, A. M. (2016). Lithium Protects Against Anaesthesia Neurotoxicity In The Infant Primate Brain. [Article]. *Scientific Reports*, 6, 22427. doi: 10.1038/srep22427. <http://dx.doi.org/10.1038/srep22427>

Noguchi, K. K., Johnson, S. A., Manzella, F. M., Masuoka, K. L., Williams, S. L., Martin, L. D., . . . Brambrink, A. M. (2018). Caffeine Augments Anesthesia Neurotoxicity in the Fetal Macaque Brain. *Scientific Reports*, 8(1), 5302. doi: 10.1038/s41598-018-23560-7. <https://doi.org/10.1038/s41598-018-23560-7>

Noguchi, K. K., Nemmers, B., & Farber, N. B. (2005). Age has a similar influence on the susceptibility to NMDA antagonist-induced neurodegeneration in most brain regions. *Developmental Brain Research*, 158(1-2), 82-91. doi.

Noguchi, K. K., Swiney, B. S., Williams, S. L., Huffman, J. N., Lucas, K., Wang, S. H., . . . Dikranian, K. T. (2019). Zika Virus Infection In The Developing Mouse Produces Dramatically Different Neuropathology Dependent On Viral Strain. *The Journal of Neuroscience*, 1376- 1319. doi: 10.1523/jneurosci.1376-19.2019. <https://www.jneurosci.org/content/jneuro/early/2019/12/13/JNEUROSCI.1376...>

Noguchi, K. K., Walls, K. C., Wozniak, D. F., Olney, J. W., Roth, K. A., & Farber, N. B. (2008). Acute neonatal glucocorticoid exposure produces selective and rapid cerebellar neural progenitor cell apoptotic death. *Cell Death and Differentiation*, 15(10), 1582-1592. doi.

Nolano, M., Provitera, V., Caporaso, G., Stancanelli, A., Leandri, M., Biasiotta, A., . . . Truini, A. (2012). Cutaneous innervation of the human face as assessed by skin biopsy. *Journal of Anatomy*, n/a-n/a. doi: 10.1111/joa.12001. <http://dx.doi.org/10.1111/joa.12001>

Nomaru, H., Sakumi, K., Katogi, A., Ohnishi, Y. N., Kajitani, K., Tsuchimoto, D., . . . Nakabeppu, Y. (2014). Fosb gene products contribute to excitotoxic microglial activation by regulating the expression of complement C5a receptors in microglia. *Glia*, n/a-n/a. doi: 10.1002/glia.22680. <http://dx.doi.org/10.1002/glia.22680>

Nomura, H., Baladie, B., Katayama, Y., Morshead, C. M., Shoichet, M. S., & Tator, C. H. (2008). Delayed implantation of intramedullary chitosan channels containing nerve grafts promotes extensive axonal regeneration after spinal cord injury. *Neurosurgery*, 63(1), 127-127. doi.

Nomura, H., Zahir, T., Kim, H., Katayama, Y., Kulbatski, I., Morshead, C. M., . . . Tator, C. H. (2008). Extramedullary chitosan channels promote survival of transplanted neural stem and progenitor cells and create a tissue bridge after complete spinal cord transection. *Tissue Engineering Part A*, 14(5), 649-665. doi.

Noonan, M. A., Choi, K. H., Self, D. W., & Eisch, A. J. (2008). Withdrawal from Cocaine Self- Administration Normalizes Deficits in Proliferation and Enhances Maturity of Adult- Generated Hippocampal Neurons. *Journal of Neuroscience*, 28(10), 2516-2526. doi: 10.1523/jneurosci.4661-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/10/2516>

Nordström, U., Beauvais, G., Ghosh, A., Pulikāparambil Sasidharan, B. C., Lundblad, M., Fuchs, J., . . . Brundin, P. (2014). Progressive nigrostriatal terminal dysfunction and degeneration in the engrailed1 heterozygous mouse model of Parkinson's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.09.012>. <http://www.sciencedirect.com/science/article/pii/S0969996114002848>

Notterpek, L., & Tolwani, R. J. (1999). Experimental models of peripheral neuropathies. *Comparative Medicine*, 49(6), 588-599. doi.

Novello, S., Arcuri, L., Dovero, S., Dutheil, N., Shimshek, D. R., Bezard, E., & Morari, M. (2018). G2019S LRRK2 mutation facilitates α -synuclein neuropathology in aged mice. *Neurobiology of Disease*, 120, 21-33. doi: <https://doi.org/10.1016/j.nbd.2018.08.018>. <http://www.sciencedirect.com/science/article/pii/S0969996118305023>

Novotny, R., Langer, F., Mahler, J., Skodras, A., Vlachos, A., Wegenast-Braun, B. M., . . . Pietrowski, M. J. (2016). Conversion of Synthetic A β to In Vivo Active Seeds and Amyloid Plaque Formation in a Hippocampal Slice Culture Model. *The Journal of Neuroscience*, 36(18), 5084-5093. doi. <http://www.jneurosci.org/content/36/18/5084.short>

Nowacek, A. S., & Sengelaub, D. R. (2006). Estrogenic support of motoneuron dendritic growth via the neuromuscular periphery in a sexually dimorphic motor system. *Journal of Neurobiology*, 66(9), 962-976. doi.

Nowakowska, M., Gualtieri, F., von Rüden, E.-L., Hansmann, F., Baumgärtner, W., Tipold, A., & Potschka, H. (2019). Profiling the expression of endoplasmic reticulum stress associated heat shock proteins in animal epilepsy models. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.12.015>. <http://www.sciencedirect.com/science/article/pii/S0306452219308632>

Noye Tuplin, E. W., & Holahan, M. R. (2019). Exploring time-dependent changes in conditioned place preference for food reward and associated changes in the nucleus accumbens. *Behavioural Brain Research*, 361, 14-25. doi: <https://doi.org/10.1016/j.bbr.2018.12.031>. <http://www.sciencedirect.com/science/article/pii/S0166432818311367>

Nuber, S., Harmuth, F., Kohl, Z., Adame, A., Trejo, M., Schöning, K., . . . Riess, O. (2013). A progressive dopaminergic phenotype associated with neurotoxic conversion of α -synuclein in BAC-transgenic rats. *Brain*, 136(2), 412-432. doi: 10.1093/brain/aws358. <http://brain.oxfordjournals.org/content/136/2/412.abstract>

Nuber, S., Petrasch-Parwez, E., Arias-Carrión, O., Koch, L., Kohl, Z., Schneider, J., . . . others. (2011). Olfactory neuron-specific expression of A30P α -synuclein exacerbates dopamine deficiency and hyperactivity in a novel conditional model of early Parkinson's disease stages. *Neurobiology of Disease*. doi.

Nuber, S., Petrasch-Parwez, E., Winner, B., Winkler, J., von Horsten, S., Schmidt, T., . . . Riess, O. (2008). Neurodegeneration and Motor Dysfunction in a Conditional Model of Parkinson's Disease. *Journal of Neuroscience*, 28(10), 2471-2484. doi: 10.1523/jneurosci.3040-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/10/2471>

Nuber, S., Rajsombath, M., Minakaki, G., Winkler, J., Müller, C. P., Ericsson, M., . . . Selkoe, D. J. (2018). Abrogating Native α -Synuclein Tetramers in Mice Causes a L-DOPA-Responsive Motor Syndrome Closely Resembling Parkinson's Disease. *Neuron*, 100(1), 75-90.e75. doi: <https://doi.org/10.1016/j.neuron.2018.09.014>. <http://www.sciencedirect.com/science/article/pii/S0896627318307876>

Nuber, S., Rajsombath, M., Minakaki, G., Winkler, J., Müller, C. P., Ericsson, M., . . . Selkoe, D. J. (2018). Abrogating Native α -Synuclein Tetramers in Mice Causes a L-DOPA-Responsive Motor Syndrome Closely Resembling Parkinson's Disease. *Neuron*, 100(1), 75-90.e75. doi: <https://doi.org/10.1016/j.neuron.2018.09.014>. <http://www.sciencedirect.com/science/article/pii/S0896627318307876>

Nuber, S., Tadros, D., Fields, J., Overk, C., Ettle, B., Kosberg, K., . . . Masliah, E. (2014). Environmental neurotoxic challenge of conditional α -synuclein transgenic mice predicts a dopaminergic olfactory-striatal interplay in early PD. *Acta Neuropathologica*, 1-18. doi: 10.1007/s00401-014-1255-5. <http://dx.doi.org/10.1007/s00401-014-1255-5>

Nunes, A., Pressey, S. N. R., Cooper, J. D., & Soriano, S. (2011). Loss of amyloid precursor protein in a mouse model of Niemann-Pick type C disease exacerbates its phenotype and disrupts tau homeostasis. *Neurobiology of Disease*. doi.

Nunes, E. J., Randall, P. A., Hart, E. E., Freeland, C., Yohn, S. E., Baqi, Y., . . . Salamone, J. D. (2013). Effort-Related Motivational Effects of the VMAT-2 Inhibitor Tetrabenazine: Implications for Animal Models of the Motivational Symptoms of Depression. *The Journal of Neuroscience*, 33(49), 19120-19130. doi. <http://www.jneurosci.org/content/33/49/19120.short>

Nunez, J. L., Aberdeen, G. W., Albrecht, E. D., & McCarthy, M. M. (2008). Impact of estradiol on GABA- and glutamate-mediated calcium responses of fetal baboon (*papio anubis*) hippocampal and cortical neurons. *Endocrinology*, 149, 6433 - 6443. doi: 10.1210/en.2007- 1720. <http://endo.endojournals.org/cgi/content/abstract/en.2007-1720v1>

Nunez, J. L., Aberdeen, G. W., Albrecht, E. D., & McCarthy, M. M. (2008). Impact of Estradiol on γ -Aminobutyric Acid- and Glutamate-Mediated Calcium Responses of Fetal Baboon (*Papio anubis*) Hippocampal and Cortical Neurons. *Endocrinology*, 149(12), 6433-6443. doi.

Nunez, J. L., Jurgens, H. A., & Juraska, J. M. (2000). Androgens reduce cell death in the developing rat visual cortex. *Developmental Brain Research*, 125(1-2), 83-88. doi.

Nunez, J. L., Kim, B. Y., & Juraska, J. M. (1998). Neonatal cryoanesthesia affects the morphology of the visual cortex in the adult rat. *Developmental Brain Research*, 111(1), 89-98. doi.

Nunez, J. L., Lauschke, D. M., & Juraska, J. M. (2001). Cell death in the development of the posterior cortex in male and female rats. *Journal of Comparative Neurology*, 436(1), 32-41. doi.

Nunez, J. L., & McCarthy, M. M. (2007). Evidence for an extended duration of GABA-mediated excitation in the developing male versus female hippocampus. *Developmental Neurobiology*, 67(14), 1879-1890. doi.

Nunez, J. L., Sodhi, J., & Juraska, J. M. (2002). Ovarian hormones after postnatal day 20 reduce neuron number in the rat primary visual cortex. *Journal of Neurobiology*, 52(4), 312-321. doi.

Nutt, S. E., Chang, E.-A., Suhr, S. T., Schlosser, L. O., Mondello, S. E., Moritz, C. T., . . . Horner, P. J. (2013). Caudalized human iPSC-derived neural progenitor cells produce neurons and glia but fail to restore function in an early chronic spinal cord injury model. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.07.010>. <http://www.sciencedirect.com/science/article/pii/S0014488613002203>

Nyffeler, M., Meyer, U., Yee, B. K., Feldon, J., & Knuesel, I. (2006). Maternal immune activation during pregnancy increases limbic GABAA receptor immunoreactivity in the adult offspring: implications for schizophrenia. *Neuroscience*, 143(1), 51-62. doi.

Nyffeler, M., Yee, B. K., Feldon, J., & Knuesel, I. (2010). Abnormal differentiation of newborn granule cells in age-related working memory impairments. *Neurobiology of Aging*, 31(11), 1956-1974. doi.

Nyffeler, M., Zhang, W. N., Feldon, J., & Knuesel, I. (2007). Differential expression of PSD proteins in age-related spatial learning impairments. *Neurobiology of Aging*, 28(1), 143-155. doi.

O'Brien, T. J., Ding, H., Suh, M., Thompson, C. M., Parsons, B. L., Harris, M. A., . . . Proctor, D. M. (2013). Assessment of K-Ras mutant frequency and micronucleus incidence in the mouse duodenum following 90-days of exposure to Cr(VI) in drinking water. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*, (0). doi: <http://dx.doi.org/10.1016/j.mrgentox.2013.03.008>. <http://www.sciencedirect.com/science/article/pii/S1383571813000752>

O'Connell, L. A., Matthews, B. J., & Crews, D. (2011). Neuronal Nitric Oxide Synthase as a Substrate for the Evolution of Pseudosexual Behaviour in a Parthenogenetic Whiptail Lizard. *Journal of Neuroendocrinology*, 23(3), 244-253. doi: 10.1111/j.1365-2826.2010.02099.x. <http://dx.doi.org/10.1111/j.1365-2826.2010.02099.x>

O'Connell, L. A., Matthews, B. J., Patel, S. B., O'Connell, J. D., & Crews, D. (2011). Molecular characterization and brain distribution of the progesterone receptor in whiptail lizards. *General and Comparative Endocrinology*, 171(1), 64-74. doi.

Oakden, W., Bock, N. A., Al-Ebraheem, A., Farquharson, M. J., & Stanisz, G. J. (2017). Early regional cuprizone-induced demyelination in a rat model revealed with MRI. *NMR in Biomedicine*, e3743-n/a. doi: 10.1002/nbm.3743. <http://dx.doi.org/10.1002/nbm.3743>

Oaks, A. W., Frankfurt, M., Finkelstein, D. I., & Sidhu, A. (2013). Age-Dependent Effects of A53T Alpha-Synuclein on Behavior and Dopaminergic Function. *Plos one*, 8(4), e60378. doi: 10.1371/journal.pone.0060378. <http://dx.doi.org/10.1371%2Fjournal.pone.0060378>

Obara-Michlewska, M., Ding, F., Popek, M., Verkhatsky, A., Nedergaard, M., Zielinska, M., & Albrecht, J. (2018). Interstitial ion homeostasis and acid-base balance are maintained in oedematous brain of mice with acute toxic liver failure. *Neurochemistry International*. doi: <https://doi.org/10.1016/j.neuint.2018.05.007>.
<http://www.sciencedirect.com/science/article/pii/S0197018618300202>

Oblak, A. L., Rosene, D. L., Kemper, T. L., Bauman, M. L., & Blatt, G. J. (2011). Altered posterior cingulate cortical cytoarchitecture, but normal density of neurons and interneurons in the posterior cingulate cortex and fusiform gyrus in autism. *Autism Research*, 4(3), 200-211. doi.

Ocampo, A. C., Squire, L. R., & Clark, R. E. (2017). Hippocampal area CA1 and remote memory in rats. *Learning and Memory*, 24(11), 563-568. doi: <http://learnmem.cshlp.org/content/24/11/563.short>

Ocampo, A. C., Squire, L. R., & Clark, R. E. (2018). The beneficial effect of prior experience on the acquisition of spatial memory in rats with CA1, but not large hippocampal lesions: a possible role for schema formation. *Learning and Memory*, 25(3), 115-121. doi: <http://learnmem.cshlp.org/content/25/3/115.short>

O'Connell, L. A., Matthews, B. J., & Hofmann, H. A. (2012). Isotocin regulates paternal care in a monogamous cichlid fish. *Hormones and Behavior*, (0). doi: 10.1016/j.yhbeh.2012.03.009. <http://www.sciencedirect.com/science/article/pii/S0018506X12000980>

O'Connell, L. A., Rigney, M. M., Dykstra, D. W., & Hofmann, H. A. (2013). Neuroendocrine Mechanisms Underlying Sensory Integration of Social Signals. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12045. <http://dx.doi.org/10.1111/jne.12045>

O'Connor, T., Sadleir, K. R., Maus, E., Velliquette, R. A., Zhao, J., Cole, S. L., . . . others. (2008). Phosphorylation of the translation initiation factor eIF2 α increases BACE1 levels and promotes amyloidogenesis. *Neuron*, 60(6), 988-1009. doi.

Odaci, E., Bilen, H., Hacimuftuoglu, A., Keles, O. N., Can, I., & Bilici, M. (2009). Long-term treatments with low-and high dose olanzapine change hepatocyte numbers in rats. A stereological and histopathological study. *Archives of Medical Research*, 40(3), 139-145. doi.

Odaci, E., Cihan, O. F., Aslan, H., Ragbetli, M. C., & Kaplan, S. (2010). Prenatal diclofenac sodium administration increases the number of Purkinje cells in female rats: a stereological study. *International Journal of Developmental Neuroscience*, 28(2), 145-151. doi.

Odaci, E., Hancı, H., İkinci, A., Sönmez, O. F., Aslan, A., Şahin, A., . . . Baş, O. (2015). Maternal exposure to a continuous 900-MHz electromagnetic field provokes neuronal loss and pathological changes in cerebellum of 32-day-old female rat offspring. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2015.09.002>, <http://www.sciencedirect.com/science/article/pii/S0891061815000708>

Oddi, S., Latini, L., Viscomi, M. T., Bisicchia, E., Molinari, M., & Maccarrone, M. (2011). Distinct regulation of nNOS and iNOS by CB 2 receptor in remote delayed neurodegeneration. *Journal of Molecular Medicine*, 1-17. doi.

O'Dell, L. (2006). Corticotropin-releasing factor within the central nucleus of the amygdala mediates enhanced ethanol self-administration in ethanol-dependent rats during withdrawal. *Journal of Neuroscience*, 26(44), 11324-11332. doi.

Oglesby, E., Quigley, H. A., Zack, D. J., Cone, F. E., Steinhart, M. R., Tian, J., . . . Kalesnykas, G. (2011). Semi-automated, quantitative analysis of retinal ganglion cell morphology in mice selectively expressing yellow fluorescent protein. *Experimental Eye Research*. doi.

Oh, E. S., Savonenko, A. V., King, J. F., Fangmark Tucker, S. M., Rudow, G. L., Xu, G., . . . Troncoso, J. C. (2009). Amyloid precursor protein increases cortical neuron size in transgenic mice. *Neurobiology of Aging*, 30(8), 1238-1244. doi.

Oh, M. S., Park, C., Huh, Y., Kim, H. Y., Kim, H., Kim, H. M., . . . Park, S. K. (2006). The effects of BR003 on memory and cell proliferation in the dentate gyrus of rat hippocampus. *Biological and Pharmaceutical Bulletin*, 29(4), 813-816. doi.

Ohab, J. J., Fleming, S., Blesch, A., & Carmichael, S. T. (2006). A Neurovascular Niche for Neurogenesis after Stroke. *Journal of Neuroscience*, 26(50), 13007-13016. doi: 10.1523/jneurosci.4323-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/50/13007>

Ohkubo, Y., Uchida, A. O., Shin, D., Partanen, J., & Vaccarino, F. M. (2004). Fibroblast Growth Factor Receptor 1 Is Required for the Proliferation of Hippocampal Progenitor Cells and for Hippocampal Growth in Mouse. *Journal of Neuroscience*, 24(27), 6057-6069. doi: 10.1523/jneurosci.1140-04.2004. <http://www.jneurosci.org/cgi/content/abstract/24/27/6057>

Ohlsson, M., Nieto, J. H., Christe, K. L., & Havton, L. A. (2013). Long-Term Effects of a Lumbosacral Ventral Root Avulsion Injury on Axotomized Motor Neurons and Avulsed Ventral Roots in a Non-Human Primate Model of Cauda Equina Injury. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.06.054>.
<http://www.sciencedirect.com/science/article/pii/S0306452213005605>

Ohm, D. T., Fought, A. J., Martersteck, A., Coventry, C., Sridhar, J., Gefen, T., . . . Geula, C. (2020). Accumulation of neurofibrillary tangles and activated microglia is associated with lower neuron densities in the aphasic variant of Alzheimer's disease. *Brain Pathology*, n/a(n/a). doi: 10.1111/bpa.12902.
<https://doi.org/10.1111/bpa.12902>

Ohm, D. T., Fought, A. J., Rademaker, A., Kim, G., Sridhar, J., Coventry, C., . . . Geula, C. (2019). Neuropathologic basis of in vivo cortical atrophy in the aphasic variant of Alzheimer's disease. *Brain Pathology*, o(a). doi: 10.1111/bpa.12783. <https://onlinelibrary.wiley.com/doi/abs/10.1111/bpa.12783>

Ohtaki, H., Ylostalo, J. H., Foraker, J. E., Robinson, A. P., Reger, R. L., Shioda, S., & Prockop, D. J. (2008). Stem/progenitor cells from bone marrow decrease neuronal death in global ischemia by modulation of inflammatory/immune responses. *Proceedings of the National Academy of Sciences*, 105(38), 14638-14643. doi: 10.1073/Proceedings of the National Academy of Sciences.0803670105. <http://www.Proceedings of the National Academy of Sciences.org/content/105/38/14638.abstract>

Oiwa, Y., Nakai, K., & Itakura, T. (2006). Histological effects of intraputaminial infusion of glial cell line-derived neurotrophic factor in Parkinson disease model macaque monkeys. *Neurologia Medico-Chirurgica*, 46(6), 267-276. doi.

Ojano-Dirain, C., Glushakova, L. G., Zhong, L., Zolotukhin, S., Muzyczka, N., Srivastava, A., & Stacpoole, P. W. (2010). An animal model of PDH deficiency using AAV8-siRNA vector-mediated knockdown of pyruvate dehydrogenase E1 α . *Molecular Genetics and Metabolism*, 101(2-3), 183-191. doi.

Ojo, B., Gabbott, P., Rezaie, P., Corbett, N., Medvedev, N., Cowley, T., . . . Stewart, M. (2012). An NCAM Mimetic, FGL, Alters Hippocampal Cellular Morphometry in Young Adult (4 Month- Old) Rats. *Neurochemical Research*, 1-11. doi: 10.1007/s11064-012-0908-9
9. <http://dx.doi.org/10.1007/s11064-012-0908-9>

Oka, S., Leon, J., Sakumi, K., Abolhassani, N., Sheng, Z., Tsuchimoto, D., . . . Nakabeppu, Y. (2021). MTH1 and OGG1 maintain a low level of 8-oxoguanine in Alzheimer's brain, and prevent the progression of Alzheimer's pathogenesis. *Scientific Reports*, 11(1), 5819. doi: 10.1038/s41598-021-84640-9.
<https://doi.org/10.1038/s41598-021-84640-9>

Okamoto, S., Pouladi, M. A., Talantova, M., Yao, D., Xia, P., Ehrnhoefer, D. E., . . . others. (2009). Balance between synaptic versus extrasynaptic NMDA receptor activity influences inclusions and neurotoxicity of mutant huntingtin. *Nature Medicine*, 15(12), 1407-1413. doi.

Okun, E., Griffioen, K. J., Gen Son, T., Lee, J. H., Roberts, N. J., Mughal, M. R., . . . others. (2010). TLR2 activation inhibits embryonic neural progenitor cell proliferation. *Journal of Neurochemistry*, 114(2), 462-474. doi.

Okyere, B., Creasey, M., Lebovitz, Y., & Theus, M. H. (2018). Temporal remodeling of pial

collaterals and functional deficits in a murine model of ischemic stroke. Journal of

Neuroscience Methods, 293(Supplement C), 86-96.

doi: <https://doi.org/10.1016/j.neumeth.2017.09.010>. <http://www.sciencedirect.com/science/article/pii/S0165027017303394>

Okyere, B., Giridhar, K., Hazy, A., Chen, M., Keimig, D., Bielitz, R. C., . . . Theus, M. H. (2016). Endothelial-Specific EphA4 Negatively Regulates Native Pial Collateral Formation and Re-Perfusion following Hindlimb Ischemia. *Plos one*, 11(7), e0159930. doi: 10.1371/journal.pone.0159930. <http://dx.doi.org/10.1371%2Fjournal.pone.0159930>

Olanow, C. W., Savolainen, M., Chu, Y., Halliday, G. M., & Kordower, J. H. (2019). Temporal evolution of microglia and α -synuclein accumulation following foetal grafting in Parkinson's disease. *Brain*. doi: 10.1093/brain/awz104. <https://doi.org/10.1093/brain/awz104>

O'Leary, C. J., Bradford, D., Chen, M., White, A., Blackmore, D. G., & Cooper, H. M. (2014). The Netrin/RGM Receptor, Neogenin, Controls Adult Neurogenesis by Promoting Neuroblast Migration and Cell Cycle Exit. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1861. <http://dx.doi.org/10.1002/stem.1861>

O'Leary, J. C., Li, Q., Marinec, P., Blair, L. J., Congdon, E. E., Johnson, A. G., . . . others. (2010). Phenothiazine-mediated rescue of cognition in tau transgenic mice requires neuroprotection and reduced soluble tau burden. *Molecular Neurodegeneration*, 5(1), 1-11. doi.

Olehnik, S. K., Fowler, J. L., Avramovich, G., & Hara, M. (2017). Quantitative analysis of intra- and inter-individual variability of human beta-cell mass. *Scientific Reports*, 7(1), 16398. doi: 10.1038/s41598-017-16300-w. <https://doi.org/10.1038/s41598-017-16300-w>

Oliveira, M., Rodrigues, A. J., Leão, P., Cardona, D., Pêgo, J. M., & Sousa, N. (2011). The bed nucleus of stria terminalis and the amygdala as targets of antenatal glucocorticoids: implications for fear and anxiety responses. *Psychopharmacology*, 1-11. doi.

Oliver, D. L., Beckius, G. E., Bishop, D. C., Loftus, W. C., & Batra, R. (2003). Topography of Interaural Temporal Disparity Coding in Projections of Medial Superior Olive to Inferior Colliculus. *Journal of Neuroscience*, 23(19), 7438-7449. doi. <http://www.jneurosci.org/cgi/content/abstract/23/19/7438>

Oliveras-Salvá, M., Macchi, F., Coessens, V., Deleersnijder, A., Gérard, M., Van der Perren, A., . . . Baekelandt, V. (2014). Alpha-synuclein-induced neurodegeneration is exacerbated in PINK1 knockout mice. *Neurobiology of Aging*, (o). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2014.04.032>. <http://www.sciencedirect.com/science/article/pii/S0197458014004084>

Olivia, P., J., C. L., Pamela, B. L., G., A. D., & Pierre, L. (2018). Stereological analysis of the rhesus monkey entorhinal cortex. *Journal of Comparative Neurology*, o(ja). doi: 10.1002/cne.24496. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24496>

Olivier, K., Reinders, L. A., Clarke, M. W., Crew, R. C., Pereira, G., Maloney, S. K., & Wyrwoll, C. S. (2020). Maternal, Placental, and Fetal Responses to Intermittent Heat Exposure During

Late Gestation in Mice. *Reproductive Sciences*. doi: 10.1007/s43032-020-00291-7. <https://doi.org/10.1007/s43032-020-00291-7>

Olivos-Cisneros, L., Ramírez-Santos, J., & Gutiérrez-Ospina, G. (2021). Proliferation rate and differentiation potential are independent during the transition from neurogenesis to gliogenesis in the mouse embryonic spinal cord. *IBRO Neuroscience Reports*, 10, 75-82. doi: <https://doi.org/10.1016/j.ibneur.2020.11.004>.
<https://www.sciencedirect.com/science/article/pii/S2667242120000081>

Ollivier-Lanvin, K., Keeler, B. E., Siegfried, R., Houlié, J. D., & Lemay, M. A. (2010). Proprioceptive neuropathy affects normalization of the H-reflex by exercise after spinal cord injury. *Experimental Neurology*, 221(1), 198-205. doi.

Olopade, F. E., Shokunbi, M. T., Azeez, I. A., Andrioli, A., Scambi, I., & Bentivoglio, M. (2019). Neuroinflammatory Response in Chronic Hydrocephalus in Juvenile Rats. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2019.08.049>.
<http://www.sciencedirect.com/science/article/pii/S0306452219306311>

Olson, K. E., Bade, A. N., Namminga, K. L., Potash, M. J., Mosley, R. L., Poluektova, L. Y., . . . Gendelman, H. E. (2018). Persistent EcoHIV infection induces nigral degeneration in 1- methyl-4-phenyl-1,2,3,6-tetrahydropyridine-intoxicated mice. [journal article]. *Journal of Neurovirology*. doi: 10.1007/s13365-018-0629-1.
<https://doi.org/10.1007/s13365-018-0629-1>

Olson, K. E., Kosloski-Bilek, L. M., Anderson, K. M., Diggs, B. J., Clark, B. E., Gledhill, J. M., . . . Gendelman, H. E. (2015). Selective VIP Receptor Agonists Facilitate Immune Transformation for Dopaminergic Neuroprotection in MPTP-Intoxicated Mice. *The Journal of Neuroscience*, 35(50), 16463-16478. doi.
<http://www.jneurosci.org/content/35/50/16463.short>

Olson, K. E., Namminga, K. L., Schwab, A. D., Thurston, M. J., Lu, Y., Woods, A., . . . Mosley, R. L. (2020). Neuroprotective Activities of Long-Acting Granulocyte-Macrophage Colony-Stimulating Factor (mPDM608) in 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Intoxicated Mice. *Neurotherapeutics*. doi: 10.1007/s13311-020-00877-8.
<https://doi.org/10.1007/s13311-020-00877-8>

Olvera-Hernández, S., Tapia-Rodríguez, M., Swaab, D. F., & Fernández-Guasti, A. (2017). Prenatal administration of letrozole reduces SDN and SCN volume and cell number independent of partner preference in the male rat. *Physiology and Behavior*, 171, 61-68. doi: <http://dx.doi.org/10.1016/j.physbeh.2017.01.001>.
<http://www.sciencedirect.com/science/article/pii/S0031938416310861>

Ong, J., Plane, J. M., Parent, J. M., & Silverstein, F. S. (2005). Hypoxic-ischemic injury stimulates subventricular zone proliferation and neurogenesis in the neonatal rat. *Pediatric Research*, 58(3), 600-600. doi.

Onger, M. E., Kaplan, S., Deniz, Ö. G., Altun, G., Altunkaynak, B. Z., Balci, K., . . . Geuna, S. (2017). Possible promoting effects of melatonin, leptin and alcar on regeneration of the sciatic nerve. *Journal of Chemical Neuroanatomy*, 81, 34-41. doi: <http://dx.doi.org/10.1016/j.jchemneu.2017.02.003>.
<http://www.sciencedirect.com/science/article/pii/S0891061816301521>

Onger, M. E., Kaplan, S., Geuna, S., Türkmen, A. P., Muratori, L., Altun, G., & Altunkaynak, B. Z. (2017). Possible effects of some agents on the injured nerve in obese rats: A stereological and electron microscopic study. *Journal of Cranio-Maxillofacial Surgery*. doi: <https://doi.org/10.1016/j.jcms.2017.05.004>.
<http://www.sciencedirect.com/science/article/pii/S1010518217301609>

Ongerth, T., Russmann, V., Fischborn, S., Boes, K., Siegl, C., & Potschka, H. (2014). Targeting of microglial KCa3.1 channels by TRAM-34 exacerbates hippocampal neurodegeneration and does not affect ictogenesis and epileptogenesis in chronic temporal lobe epilepsy models. *European Journal of Pharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.ejphar.2014.06.061>. <http://www.sciencedirect.com/science/article/pii/S0014299914005226>

Ongur, D., Pohlman, J., Dow, A. L., Eisch, A. J., Edwin, F., Heckers, S., . . . Carlezon, W. A. (2007). Electroconvulsive seizures stimulate glial proliferation and reduce expression of Sprouty2 within the prefrontal cortex of rats. *Biological Psychiatry*, 62(5), 505-512. doi.

Onken, M., Berger, S., & Kristian, T. (2011). Simple model of forebrain ischemia in mouse. *Journal of Neuroscience Methods*. doi.

Onochie, I. N. (2017). Pre-Synaptic and Post-Synaptic Pathways from the Hippocampus to Medial Prefrontal Cortex in Rhesus Monkeys. Boston University. Retrieved from <https://search.proquest.com/openview/9f6d445eb89c10eabdf5daabb133839/1?...>

Oo, T. F., Marchionini, D. M., Yarygina, O., O'Leary, P. D., Hughes, R. A., Kholodilov, N., & Burke, R. E. (2009). Brain-derived neurotrophic factor regulates early postnatal developmental cell death of dopamine neurons of the substantia nigra in vivo. *Molecular and Cellular Neuroscience*, 41(4), 440-447. doi.

Oomen, C. A., Girardi, C. E. N., Cahyadi, R., Verbeek, E. C., Krugers, H., Is, M. J., & Lucassen, P. J. (2009). Opposite Effects of Early Maternal Deprivation on Neurogenesis in Male versus Female Rats. *PLoS ONE*, 4(1), 1-13. doi.

Oomen, C. A., Mayer, J. L., de Kloet, E. R., Joels, M., & Lucassen, P. J. (2007). Brief treatment with the glucocorticoid receptor antagonist mifepristone normalizes the reduction in neurogenesis after chronic stress. *European Journal of Neuroscience*, 26(12), 3395-3401. doi: doi:10.1111/j.1460-9568.2007.05972.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05972.x>

Oomen, C. A., Soeters, H., Audureau, N., Vermunt, L., Van Hasselt, F. N., Manders, E. M. M., . . . Lucassen, P. J. (2011). Early maternal deprivation affects dentate gyrus structure and emotional learning in adult female rats. *Psychopharmacology*, 214(1), 249-260. doi.

Oomen, C. A., Soeters, H., Audureau, N., Vermunt, L., van Hasselt, F. N., Manders, E. M. M., . . . Krugers, H. (2010). Severe Early Life Stress Hampers Spatial Learning and Neurogenesis, but Improves Hippocampal Synaptic Plasticity and Emotional Learning under High-Stress Conditions in Adulthood. *Journal of Neuroscience*, 30(19), 6635-6645. doi: 10.1523/jneurosci.0247-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/19/6635>

Oorschot, D. E., Voss, L., Covey, M. V., Goddard, L., Huang, W., Birchall, P., . . . Kohe, S. E. (2013). Spectrum of Short- and Long-Term Brain Pathology and Long-Term Behavioral Deficits in Male Repeated Hypoxic Rats Closely Resembling Human Extreme Prematurity. *Journal of Neuroscience*, 33(29), 11863-11877. doi: 10.1523/jneurosci.0342-12.2013. <http://www.jneurosci.org/content/33/29/11863.abstract>

Oosthuizen, M. K., & Amrein, I. (2016). Trading new neurons for status: Adult hippocampal neurogenesis in eusocial Damaraland mole-rats. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.03.020>. <http://www.sciencedirect.com/science/article/pii/S0306452216002438>

Opendak, M., Offit, L., Monari, P., Schoenfeld, T. J., Sonti, A. N., Cameron, H. A., & Gould, E. (2016). Lasting Adaptations in Social Behavior Produced by Social Disruption and Inhibition of Adult Neurogenesis. *The Journal of Neuroscience*, 36(26), 7027-7038. doi: <http://www.jneurosci.org/content/36/26/7027.short>

Opie, N. L., John, S. E., Rind, G. S., Ronayne, S. M., Wong, Y. T., Gerboni, G., . . . Oxley, T. J. (2018). Focal stimulation of the sheep motor cortex with a chronically implanted minimally invasive electrode array mounted on an endovascular stent. *Nature Biomedical Engineering*, 2(12), 907-914. doi: 10.1038/s41551-018-0321-z. <https://doi.org/10.1038/s41551-018-0321-z>

Orb, S., Wieacker, J., Labarca, C., Fonck, C., Lester, H. A., & Schwarz, J. (2004). Knockin mice with Leu9'Ser α 4-nicotinic receptors: substantia nigra dopaminergic neurons are hypersensitive to agonist and lost postnatally. *Physiological Genomics*, 18(3), 299-307. doi: 10.1152/physiolgenomics.00012.2004. <http://physiolgenomics.physiology.org/cgi/content/abstract/18/3/299>

Ordway, D. J., Shanley, C. A., Caraway, M. L., Orme, E. A., Bucy, D. S., Hascall-Dove, L., . . . others. (2010). Evaluation of standard chemotherapy in the guinea pig model of tuberculosis. *Antimicrobial Agents and Chemotherapy*, 54(5), 1820-1833. doi: 10.1128/AAC.01820-10

Ormerod, B. K., Hanft, S. J., Asokan, A., Haditsch, U., Lee, S. W., & Palmer, T. D. (2012). PPAR γ activation prevents impairments in spatial memory and neurogenesis following transient illness. *Brain, Behavior, and Immunity*, 26(1), 1-11. doi: 10.1016/j.bbi.2012.10.017. <http://www.sciencedirect.com/science/article/pii/S0889159112004795>

Orr, A. L., Rutaganira, F. U., de Roulet, D., Huang, E. J., Hertz, N. T., Shokat, K. M., & Nakamura, K. (2017). Long-term oral kinetin does not protect against α -synuclein-induced neurodegeneration in rodent models of Parkinson's disease. *Neurochemistry International*. doi: <https://doi.org/10.1016/j.neuint.2017.04.006>. <http://www.sciencedirect.com/science/article/pii/S0197018617300372>

Orr, M. E., Salinas, A., Buffenstein, R., & Oddo, S. (2014). Mammalian target of rapamycin hyperactivity mediates the detrimental effects of a high sucrose diet on Alzheimer's disease pathology. *Neurobiology of Aging*, 35, 1-11. doi: 10.1016/j.neurobiolaging.2013.12.006. <http://dx.doi.org/10.1016/j.neurobiolaging.2013.12.006>

Ortega, S. B., Kong, X., Venkataraman, R., Savedra, A. M., Kernie, S. G., Stowe, A. M., & Raman, L. (2015). Perinatal chronic hypoxia induces cortical inflammation, hypomyelination, and peripheral myelin-specific T cell autoreactivity. *Journal of Leukocyte Biology*. doi: 10.1189/jlb.5H10914-447R. <http://www.jleukbio.org/content/early/2015/06/02/jlb.5H10914-447R.abstract>

Ortner, N. J., Bock, G., Dougalis, A., Kharitonova, M., Duda, J., Hess, S., . . . Striessnig, J. (2017). Lower affinity of isradipine for L-type Ca^{2+} channels during substantia nigra dopamine neuron-like activity: implications for neuroprotection in Parkinson's disease. [10.1523/JNEUROSCI.2946-16.2017]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2017/06/07/JNEUROSCI.2946-16.2017...>

Ortsater, H., Grankvist, N., Wolfram, S., Kuehn, N., Sjöholm, A., Mir, P. S., . . . others. (2012). Diet supplementation with green tea extract epigallocatechin gallate prevents progression to glucose intolerance in db/db mice. *Nutrition and Metabolism*, 9(1), 11-11. doi.

Ortuño, T., López-Madrona, V. J., Makarova, J., Tapia-Gonzalez, S., Muñoz, A., DeFelipe, J., & Herreras, O. (2019). Slow-wave activity in the S1HL cortex is contributed by different layer-specific field potential sources during development. *The Journal of Neuroscience*, 1212- 1219. doi: 10.1523/jneurosci.1212-19.2019. <http://www.jneurosci.org/content/early/2019/09/23/JNEUROSCI.1212-19.2019...>

Osato, K., Sato, Y., Ochiishi, T., Osato, A., Zhu, C., Sato, M., . . . others. (2010). Apoptosis-inducing factor deficiency decreases the proliferation rate and protects the subventricular zone against ionizing radiation. *Cell Death and Disease*, 1(10), e84-e84. doi.

Osborne, B. F., Turano, A., Caulfield, J. I., & Schwarz, J. M. (2019). Sex- and region-specific differences in microglia phenotype and characterization of the peripheral immune response following early-life infection in neonatal male and female rats. *Neuroscience Letters*, 692, 1- 9. doi: <https://doi.org/10.1016/j.neulet.2018.10.044>. <http://www.sciencedirect.com/science/article/pii/S0304394018307201>

Osborne, M. C., Verhovshek, T., & Sengelau, D. R. (2007). Androgen regulates trkB immunolabeling in spinal motoneurons. *Journal of Neuroscience Research*, 85(2), 303-309. doi.

Oshikawa, M., Okada, K., Nakajima, K., & Ajioka, I. (2013). Cortical excitatory neurons become protected from cell division during neurogenesis in an Rb family-dependent manner. *Development*. doi: 10.1242/dev.095653. <http://dev.biologists.org/content/early/2013/04/24/dev.095653.abstract>

Oshikawa, M., Okada, K., Tabata, H., Nagata, K.-i., & Ajioka, I. (2017). Dnmt1-dependent Chk1 pathway suppression is protective against neuron division. [10.1242/dev.154013]. *Development*, 144(18), 3303. doi: <http://dev.biologists.org/content/144/18/3303.abstract>

Osipovitch, M., Asenjo Martinez, A., Mariani, J. N., Cornwell, A., Dhaliwal, S., Zou, L., . . . Goldman, S. A. (2018). Human ESC-Derived Chimeric Mouse Models of Huntington's Disease

Reveal Cell-Intrinsic Defects in Glial Progenitor Cell Differentiation. *Cell Stem Cell*. doi: <https://doi.org/10.1016/j.stem.2018.11.010>.
<http://www.sciencedirect.com/science/article/pii/S1934590918305460>

Oskowitz, A., McFerrin, H., Gutschow, M., Carter, M. L., & Pochampally, R. (2011). Serum deprived human multipotent Mesenchymal Stromal Cells (MSCs) are highly angiogenic. *Stem Cell Research*. doi.

Oskowitz, A. Z., Penfornis, P., Tucker, A., Prockop, D. J., & Pochampally, R. (2011). Drosha regulates hMSCs cell cycle progression through a miRNA independent mechanism. *International Journal of Biochemistry and Cell Biology*. doi.

Osman, A. M., Porritt, M. J., Nilsson, M., & Kuhn, H. G. (2011). Long-Term Stimulation of Neural Progenitor Cell Migration After Cortical Ischemia in Mice. *Stroke*, 42(12), 3559-3565. doi: 10.1161/strokeaha.111.627802.
<http://stroke.ahajournals.org/content/42/12/3559.abstract>

Osman, A. M., Sun, Y., Burns, T. C., He, L., Kee, N., Oliva-Vilarnau, N., . . . Blomgren, K. (2020). Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. *Cell Reports*, 31(9), 107699. doi: <https://doi.org/10.1016/j.celrep.2020.107699>.
<http://www.sciencedirect.com/science/article/pii/S221124720306690>

Osman, K. L., Kohlberg, S., Mok, A., Brooks, R., Lind, L. A., McCormack, K., . . . Lever, T. E. (2019). Optimizing the Translational Value of Mouse Models of ALS for Dysphagia Therapeutic Discovery. [journal article]. *Dysphagia*. doi: 10.1007/s00455-019-10034-9.
[9. https://doi.org/10.1007/s00455-019-10034-9](https://doi.org/10.1007/s00455-019-10034-9)

Osório, L., Gijsbers, R., Oliveras-Salvá, M., Michiels, A., Debyser, Z., Van den Haute, C., & Baekelandt, V. (2013). Viral vectors expressing a single microRNA-based short-hairpin RNA result in potent gene silencing in vitro and in vivo. *Journal of Biotechnology*, (0). doi: <http://dx.doi.org/10.1016/j.jbiotec.2013.11.004>. <http://www.sciencedirect.com/science/article/pii/S0168165613004872>

Osterop, S. F., Virtanen, M. A., Loepke, J. R., Joseph, B., Loepke, A. W., & Vutskits, L. (2015). Developmental stage-dependent impact of midazolam on calbindin, calretinin and parvalbumin expression in the immature rat medial prefrontal cortex during the brain growth spurt. *International Journal of Developmental Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.ijdevneu.2015.04.002>.
<http://www.sciencedirect.com/science/article/pii/S0736574815000507>

Ostock, C. Y., Lindenbach, D., Goldenberg, A. A., Kampton, E., & Bishop, C. (2014). Effects of noradrenergic denervation by anti-DBH-saporin on behavioral responsiveness to L-DOPA in the hemi-parkinsonian rat. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2014.05.009>.
<http://www.sciencedirect.com/science/article/pii/S0166432814003039>

Oswald, M. J., Palmer, D. N., Kay, G. W., Barwell, K. J., & Cooper, J. D. (2008). Location and connectivity determine GABAergic interneuron survival in the brains of South Hampshire sheep with CLN6 neuronal ceroid lipofuscinosis. *Neurobiology of Disease*, 32(1), 50-65. doi.

Oswald, M. J., Palmer, D. N., Kay, G. W., Shemilt, S. J. A., Rezaie, P., & Cooper, J. D. (2005). Glial activation spreads from specific cerebral foci and precedes neurodegeneration in presymptomatic ovine neuronal ceroid lipofuscinosis (CLN6). *Neurobiology of Disease*, 20(1), 49-63. doi.

Otero, J. J., Kalaszczynska, I., Michowski, W., Wong, M., Gygli, P. E., Gokozan, H. N., . . . Rowitch, D. (2013). Cerebellar cortical lamination and foliation require cyclin A2.

Developmental Biology, (o).

doi: <http://dx.doi.org/10.1016/j.ydbio.2013.10.019>. <http://www.sciencedirect.com/science/article/pii/S0012160613005745>

Otero-Ortega, L., Laso-García, F., Gómez-de Frutos, M. d. C., Rodríguez-Frutos, B., Pascual- Guerra, J., Fuentes, B., . . . Gutiérrez-Fernández, M. (2017). White Matter Repair After Extracellular Vesicles Administration in an Experimental Animal Model of Subcortical Stroke. [Article]. *Scientific Reports*, 7, 44433. doi: 10.1038/srep44433

<http://www.nature.com/articles/srep44433#supplementary-information>. <http://dx.doi.org/10.1038/srep44433>

Otterloo, E. V., O'Dwyer, G., Stockmeier, C. A., Steffens, D. C., Krishnan, R. R., & Rajkowska, G. (2009). Reductions in neuronal density in elderly depressed are region specific. *International Journal of Geriatric Psychiatry*, 24(8), 856-864. doi.

Otvos, L., Feiner, L., Lang, E., Szendrei, G. I., Goedert, M., & Lee, V. M. (1994). Monoclonal antibody PHF-1 recognizes tau protein phosphorylated at serine residues 396 and 404. *Journal of Neuroscience Research*, 39. doi: 10.1002/jnr.490390607. <http://dx.doi.org/10.1002/jnr.490390607>

Ouda, L., Druga, R., & Syka, J. (2011). Distribution of SMI-32-immunoreactive neurons in the central auditory system of the rat. *Brain Structure and Function*, 1-18. doi.

Ouda, L., Jilek, M., & Syka, J. (2016). Expression of c-Fos in rat auditory and limbic systems following 22-kHz calls. *Behavioural Brain Research*, 308, 196-204.

doi: <http://dx.doi.org/10.1016/j.bbr.2016.04.030>.
<http://www.sciencedirect.com/science/article/pii/S0166432816302327>

Oueslati, A., Paleologou, K. E., Schneider, B. L., Aebischer, P., & Lashuel, H. A. (2012). Mimicking Phosphorylation at Serine 87 Inhibits the Aggregation of Human α -Synuclein and Protects against Its Toxicity in a Rat Model of Parkinson's Disease. *Journal of Neuroscience*, 32(5), 1536-1544. doi: 10.1523/jneurosci.3784-11.2012. <http://www.jneurosci.org/content/32/5/1536.abstract>

Oury, F., Sumara, G., Sumara, O., Ferron, M., Chang, H., Smith, C. E., . . . others. (2011). Endocrine regulation of male fertility by the skeleton. *Cell*. doi.

Oveisgharan, S., Arvanitakis, Z., Yu, L., Farfel, J., Schneider, J. A., & Bennett, D. A. (2018). Sex differences in Alzheimer's disease and common neuropathologies of aging. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-018-1920-1. <https://doi.org/10.1007/s00401-018-1920-1>

Overk, C. R., Kelley, C. M., & Mufson, E. J. (2009). Brainstem Alzheimer's-like pathology in the triple transgenic mouse model of Alzheimer's disease. *Neurobiology of Disease*, 35(3), 415-425. doi.

Overk, C. R., Lu, P. Y., Wang, Y. T., Choi, J., Shaw, J. W., Thatcher, G. R., & Mufson, E. J. (2011). Effects of aromatase inhibition versus gonadectomy on hippocampal complex amyloid pathology in triple transgenic mice. *Neurobiology of Disease*. doi.

Overk, C. R., Perez, S. E., Ma, C., Taves, M. D., Soma, K. K., & Mufson, E. J. (2012). Sex steroid levels and AD-like pathology in 3xTgAD mice. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/j.1365-2826.2012.02374.x. <http://dx.doi.org/10.1111/j.1365-2826.2012.02374.x>

Oya, S., Yoshikawa, G., Takai, K., Tanaka, J., Higashiyama, S., Saito, N., . . . Kawahara, N. (2008). Region-specific proliferative response of neural progenitors to exogenous stimulation by growth factors following ischemia. *Neuroreport*, 19(8), 805-805. doi.

Oya, S., Yoshikawa, G., Takai, K., Tanaka, J. I., Higashiyama, S., Saito, N., . . . Kawahara, N. (2009). Attenuation of Notch signaling promotes the differentiation of neural progenitors into neurons in the hippocampal CA1 region after ischemic injury. *Neuroscience*, 158(2), 683-692. doi.

Özay, R., Yavuz, O. Y., Türko lu, M. E., Akta_, A., Yi it, F., Özdemir, H. M., & ekerçi, Z. (2015). The effects of ankaferd blood stopper and microporous polysaccharide hemospheres on epidural fibrosis in rat laminectomy model. *Acta Cirurgica Brasileira*, 30, 799-805. doi. http://www.scielo.br/scielo.php?pid=S0102-86502015001200799&script=sci_a...

Ozcelik, S., Fraser, G., Castets, P., Schaeffer, V., Skachokova, Z., & Breu, K. (2013). Rapamycin attenuates the progression of tau pathology in P301S tau transgenic mice. *Plos one*, 8. doi: 10.1371/journal.pone.0062459. <http://dx.doi.org/10.1371/journal.pone.0062459>

Ozcelik, S., Fraser, G., Castets, P., Schaeffer, V., Skachokova, Z., Breu, K., . . . Winkler, D. T. (2013). Rapamycin Attenuates the Progression of Tau Pathology in P301S Tau Transgenic Mice. *Plos one*, 8(5), e62459. doi: 10.1371/journal.pone.0062459. <http://dx.doi.org/10.1371%2Fjournal.pone.0062459>

Özdemir-Kumral, Z. N., Erkek, B. E., Karakuş, B., Almacı, M., Fathi, R., Yüksel, M., . . . Alican, I. (2019). Potential Effect of 1,25 Dihydroxyvitamin D3 on Thioacetamide-Induced Hepatotoxicity in Rats. *Journal of Surgical Research*, 243, 165-172. doi: <https://doi.org/10.1016/j.jss.2019.05.020>. <http://www.sciencedirect.com/science/article/pii/S0022480419303361>

Özkay, Ü. D., Söztutar, E., Can, Ö. D., Üçel, U. I., Öztürk, Y., & Ulupinar, E. (2015). Effects of long-term agomelatine treatment on the cognitive performance and hippocampal plasticity of adult rats. *Behavioural Pharmacology*. doi.

Oztan, O., Aydin, C., & Isgor, C. (2011). Chronic variable physical stress during the peripubertal-juvenile period causes differential depressive and anxiogenic effects in the novelty-seeking phenotype: Functional implications for hippocampal and amygdalar BDNF and the mossy fibre plasticity. *Neuroscience*. doi.

Oztan, O., Aydin, C., & Isgor, C. (2011). Stressful environmental and social stimulation in adolescence causes antidepressant-like effects associated with epigenetic induction of the hippocampal BDNF and mossy fibre sprouting in the novelty-seeking phenotype. *Neuroscience Letters*. doi.

P. S., A. B., Vv, R., K. R., J. M., J-C, K., . . . Af, S. (2012). Relationship Between BDNF Expression in Major Striatal Afferents, Striatum Morphology and Motor Behavior in the R6/2 Mouse Model of Huntington's Disease. *Genes, Brain and Behavior*, n/a-n/a. doi: 10.1111/j.1601-183X.2012.00858.x. <http://dx.doi.org/10.1111/j.1601-183X.2012.00858.x>

Pabon, M. M., Bachstetter, A. D., Hudson, C. E., Gemma, C., Bickford, P. C., & others. (2011). CX3CL1 reduces neurotoxicity and microglial activation in a rat model of Parkinson's disease. *Journal of neuroinflammation*, 8(1), 9-9. doi.

Pabon, M. M., Jernberg, J. N., Morganti, J., Contreras, J., Hudson, C. E., Klein, R. L., & Bickford, P. C. (2012). A Spirulina-Enhanced Diet Provides Neuroprotection in an α -Synuclein Model of Parkinson's Disease. *Plos one*, 7(9), e45256. doi: 10.1371/journal.pone.0045256. <http://dx.doi.org/10.1371%2Fjournal.pone.0045256>

Padel, T., Özen, I., Boix, J., Barbariga, M., Gaceb, A., Roth, M., & Paul, G. (2016). Platelet-derived growth factor-BB has neurorestorative effects and modulates the pericyte response in a partial 6-hydroxydopamine lesion mouse model of Parkinson's disease. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.06.002>. <http://www.sciencedirect.com/science/article/pii/S0969996116301358>

Padmanabhan, S., Kareva, T., Kholodilov, N., & Burke, R. (2013). Quantitative morphological comparison of axon-targeting strategies for gene therapies directed to the nigro-striatal projection. *Gene Therapy*. doi: <http://www.nature.com/gt/journal/vaop/ncurrent/full/gt201374a.html>

Page, C., Alexander, J., Shepard, R., & Coutellier, L. (2018). Npas4 deficiency interacts with adolescent stress to disrupt prefrontal GABAergic maturation and adult cognitive flexibility. *Genes, Brain and Behavior*, e12459-n/a. doi: 10.1111/gbb.12459. <http://dx.doi.org/10.1111/gbb.12459>

Page, C. E., & Coutellier, L. (2018). Adolescent stress disrupts the maturation of anxiety-related behaviors and alters the developmental trajectory of the prefrontal cortex in a sex- and age-specific manner. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2018.08.030>. <http://www.sciencedirect.com/science/article/pii/S030645221830575X>

Page, C. E., Shepard, R., Heslin, K., & Coutellier, L. (2019). Prefrontal parvalbumin cells are sensitive to stress and mediate anxiety-related behaviors in female mice. *Scientific Reports*, 9(1), 19772. doi: 10.1038/s41598-019-56424-9. <https://doi.org/10.1038/s41598-019-56424-9>

Pagliarini, V., Pelosi, L., Bustamante, M. B., Nobili, A., Berardinelli, M. G., D'Amelio, M., . . . Sette, C. (2015). SAM68 is a physiological regulator of SMN2 splicing in spinal muscular atrophy.

The Journal of Cell Biology, 211(1), 77-90. doi:

10.1083/jcb.201502059. <http://jcb.rupress.org/content/211/1/77.abstract>

Paik, S. K., Park, K. P., Lee, S. K., Ma, S. K., Cho, Y. S., Kim, Y. K., . . . Bae, Y. C. (2009). Light and electron microscopic analysis of the somata and parent axons innervating the rat upper molar and lower incisor pulp. *Neuroscience*, 162(4), 1279-1286. doi:

Pais, T. F., Szeg, odblac, É. M., Marques, O., Miller-Fleming, L., Antas, P., . . . Outeiro, T. F. (2013). The NAD-dependent deacetylase sirtuin 2 is a suppressor of microglial activation and brain inflammation. *The EMBO journal*.

doi: <http://www.nature.com/emboj/journal/vaop/ncurrent/full/emboj2013200a.html>

Pal, I., Paltati, C. R. B., Kaur, C., Shubhi, S., Kumar, P., Jacob, T. G., . . . Roy, T. S. (2019). Morphological and neurochemical changes in GABAergic neurons of the aging human inferior colliculus. *Hearing Research*.

doi: <https://doi.org/10.1016/j.heares.2019.02.005>.

<http://www.sciencedirect.com/science/article/pii/S0378595518303113>

Palanisamy, A., Crosby, G., & Culley, D. J. (2017). EARLY gestational exposure to isoflurane causes persistent cell loss in the dentate gyrus of adult male rats. [journal article].

Behavioral and Brain Functions, 13(1), 14. doi: 10.1186/s12993-017-0132-

5. <https://doi.org/10.1186/s12993-017-0132-5>

Paldino, E., Balducci, C., La Vitola, P., Artioli, L., D'Angelo, V., Giampà, C., . . . Fusco, F. R. (2019). Neuroprotective Effects of Doxycycline in the R6/2 Mouse Model of Huntington's Disease. *Molecular Neurobiology*. doi: 10.1007/s12035-019-01847-8.

<https://doi.org/10.1007/s12035-019-01847-8>

Palese, F., Pontis, S., Realini, N., & Piomelli, D. (2019). A protective role for N-acylphosphatidylethanolamine phospholipase D in 6-OHDA-induced neurodegeneration. *Scientific Reports*, 9(1), 15927. doi: 10.1038/s41598-019-51799-

1. <https://doi.org/10.1038/s41598-019-51799-1>

Paller, K. A., Ranganath, C., Gonsalves, B., LaBar, K. S., Parrish, T. B., Gitelman, D. R., . . . Reber, P. J. (2003). Neural Correlates of Person Recognition. *Learning and Memory*, 10(4), 253-260. doi: <http://www.learnmem.org/cgi/content/abstract/10/4/253>

Palmen, S. J. M. C., Engeland, H. v., Hof, P. R., & Schmitz, C. (2004). Neuropathological findings in autism *Brain*, 127(12), 2572-2583. doi:

Palmer, M. R., Granholm, A. C., Van Horne, C. G., Giardina, K. E., Freund, R. K., Moorhead, J. W., & Gerhardt, G. A. (2001). Intranigral transplantation of solid tissue ventral mesencephalon or striatal grafts induces behavioral recovery in 6-OHDA-lesioned rats. *Brain Research*, 890(1), 86-99. doi:

Pan, J., Li, H., Zhang, B., Xiong, R., Zhang, Y., Kang, W.-Y., . . . Chen, S.-D. (2015). Small Peptide Inhibitor of JNK3 Protects Dopaminergic Neurons from MPTP Induced Injury via Inhibiting the ASK1-JNK3 Signaling Pathway. *Plos one*, 10(4), e0119204. doi: 10.1371/journal.pone.0119204. <http://dx.doi.org/10.1371%2Fjournal.pone.0119204>

Pan, J., Wang, G., Yang, H.-Q., Hong, Z., Xiao, Q., Ren, R.-J., . . . Chen, S.-D. (2007). K252a prevents nigral dopaminergic cell death induced by 6-OHDA through inhibition of both MLK3/JNK3 and ASK1/JNK3 signaling pathways. *Molecular Pharmacology*, doi:10.1124/mol.107.038463. doi.

Pan, J., Xiao, Q., Sheng, C. Y., Hong, Z., Yang, H. Q., Wang, G., . . . Chen, S. D. (2009). Blockade of the translocation and activation of c-Jun N-terminal kinase 3 (JNK3) attenuates dopaminergic neuronal damage in mouse model of Parkinson's disease. *Neurochemistry International*, 54(7), 418-425. doi.

Pan, J., Zhao, Y., Wang, Z. Q., Jin, L., Sun, Z. K., & Chen, S. D. (2007). Expression of FasL and its interaction with Fas are mediated by c-Jun N-terminal kinase (JNK) pathway in 6-OHDA- induced rat model of Parkinson disease. *Neuroscience Letters*, 428(2-3), 82-87. doi.

Pan, P.-Y., Sheehan, P., Wang, Q., Zhu, X., Zhang, Y., Choi, I., . . . Yue, Z. (2020). Synj1 Haploinsufficiency Causes Dopamine Neuron Vulnerability and alpha-synuclein Accumulation in Mice. *Human Molecular Genetics*. doi: 10.1093/hmg/ddaa080. <https://doi.org/10.1093/hmg/ddaa080>

Pan, Y., Hysinger, J. D., Barron, T., Schindler, N. F., Cobb, O., Guo, X., . . . Gutmann, D. H. (2021). NF1 mutation drives neuronal activity-dependent initiation of optic glioma. *Nature*. doi: 10.1038/s41586-021-03580-6. <https://doi.org/10.1038/s41586-021-03580-6>

Panagiotakos, G., Alshamy, G., Chan, B., Abrams, R., Greenberg, E., Saxena, A., . . . Tabar, V. (2007). Long-term impact of radiation on the stem cell and oligodendrocyte precursors in the brain. *PLoS ONE*, 2(7), e588-e588. doi.

Panaite, P. A., & Barakat-Walter, I. (2010). Thyroid hormone enhances transected axonal regeneration and muscle reinnervation following rat sciatic nerve injury. *Journal of Neuroscience Research*, 88(8), 1751-1763. doi.

Panaite, P. A., Gantelet, E., Kraftsik, R., Gourdon, G., Kuntzer, T., & Barakat-Walter, I. (2008). Myotonic dystrophy transgenic mice exhibit pathologic abnormalities in diaphragm neuromuscular junctions and phrenic nerves. *Journal of Neuropathology and Experimental Neurology*, 67(8), 763-763. doi.

Panaite, P. A., Kielar, M., Kraftsik, R., Gourdon, G., Kuntzer, T., & Barakat-Walter, I. (2011). Peripheral Neuropathy Is Linked to a Severe Form of Myotonic Dystrophy in Transgenic Mice. *Journal of Neuropathology and Experimental Neurology*, 70(8), 678-678. doi.

Panchision, D. M., Pickel, J. M., Studer, L., Lee, S.-H., Turner, P. A., Hazel, T. G., & McKay, R. D. G. (2001). Sequential actions of BMP receptors control neural precursor cell production and fate. *Genes and Development*, 15(16), 2094-2110. doi: 10.1101/gad.894701. <http://www.genesdev.org/cgi/content/abstract/15/16/2094>

Pande, K., Moran, S. M., & Bradfield, C. A. (2005). Aspects of Dioxin Toxicity Are Mediated by Interleukin 1-Like Cytokines. *Molecular Pharmacology*, 67, 1393-1398. doi.

Pang, K., Sinha, S., Avcu, P., Roland, J., Nadpara, N., Pfister, B. J., . . . Servatius, R. (2014). Long-lasting suppression of acoustic startle response following mild traumatic brain injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2014.3451. <http://dx.doi.org/10.1089/neu.2014.3451>

Pang, K. C. H., Jiao, X., Sinha, S., Beck, K. D., & Servatius, R. J. (2011). Damage of GABAergic neurons in the medial septum impairs spatial working memory and extinction of active avoidance: Effects on proactive interference. *Hippocampus*, 21(8), 835-846. doi.

Pang, K. C. H., Nocera, R., Secor, A. J., & Yoder, R. M. (2001). GABAergic septohippocampal neurons are not necessary for spatial memory. *Hippocampus*, 11(6), 814-827. doi.

Pang, Y., Lin, S., Wright, C., Shen, J., Carter, K., Bhatt, A., & Fan, L. W. (2016). Intranasal insulin protects against substantia nigra dopaminergic neuronal loss and alleviates motor deficits induced by 6-OHDA in rats. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.01.020>.
<http://www.sciencedirect.com/science/article/pii/S0306452216000397>

Pan-Montojo, F., Anichtchik, O., Dening, Y., Knels, L., Pursche, S., Jung, R., . . . others. (2010). Progression of Parkinson's disease pathology is reproduced by intragastric administration of rotenone in mice. *PLoS ONE*, 5(1), e8762-e8762. doi.

Pan-Montojo, F., Schwarz, M., Winkler, C., Arnhold, M., O'Sullivan, G. A., Pal, A., . . . Reichmann, H. (2012). Environmental toxins trigger PD-like progression via increased alpha-synuclein release from enteric neurons in mice. [10.1038/srep00898]. *Scientific Reports*, 2. doi: <http://www.nature.com/srep/2012/121130/srep00898/abs/srep00898.html#supp>

.....
[h
http://dx.doi.org/10.1038/srep00898](http://dx.doi.org/10.1038/srep00898)

Panneton, W. M., Kumar, V. B., Gan, Q., Burke, W. J., & Galvin, J. E. (2010). The neurotoxicity of DOPAL: behavioral and stereological evidence for its role in Parkinson disease pathogenesis. *PLoS ONE*, 5(12), e15251-e15251. doi.

Pantazopoulos, H., Boyer-Boiteau, A., Holbrook, E. H., Jang, W., Hahn, C.-G., Arnold, S. E., & Berretta, S. (2013). Proteoglycan abnormalities in olfactory epithelium tissue from subjects diagnosed with schizophrenia. *Schizophrenia Research*, (0). doi: <http://dx.doi.org/10.1016/j.schres.2013.08.013>. <http://www.sciencedirect.com/science/article/pii/S0920996413004490>

Pantazopoulos, H., Lange, N., Baldessarini, R. J., & Berretta, S. (2007). Parvalbumin neurons in the entorhinal cortex of subjects diagnosed with bipolar disorder or schizophrenia. *Biological Psychiatry*, 61(5), 640-652. doi.

Pantazopoulos, H., Markota, M., Jaquet, F., Ghosh, D., Wallin, A., Santos, A.,.....Berretta, S. (2015). AggreCAN and chondroitin-6-sulfate abnormalities in schizophrenia and bipolar disorder: a postmortem study on the amygdala. [Original Article]. *Transl Psychiatry*, 5, e496. doi: 10.1038/tp.2014.128. <http://dx.doi.org/10.1038/tp.2014.128>

Pantazopoulos, H., Murray, E. A., & Berretta, S. (2008). Total number, distribution, and phenotype of cells expressing chondroitin sulfate proteoglycans in the normal human amygdala. *Brain Research*, 1207, 84-95. doi.

Pantazopoulos, H., Wiseman, J. T., Markota, M., Ehrenfeld, L., & Berretta, S. (2016). Decreased numbers of somatostatin-expressing neurons in the amygdala of subjects with bipolar disorder or schizophrenia: Relationship to circadian rhythms. *Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.biopsych.2016.04.006>.
<http://www.sciencedirect.com/science/article/pii/S000632231632282X>

Pantazopoulos, H., Wiseman, J. T., Markota, M., Ehrenfeld, L., & Berretta, S. (2016). Decreased Numbers of Somatostatin-Expressing Neurons in the Amygdala of Subjects With Bipolar Disorder or Schizophrenia: Relationship to Circadian Rhythms. *Biological Psychiatry*. doi: 10.1016/j.biopsych.2016.04.006.
<http://dx.doi.org/10.1016/j.biopsych.2016.04.006>

Pantazopoulos, H., Woo, T. U. W., Lim, M. P., Lange, N., & Berretta, S. (2010). Extracellular matrix-glial abnormalities in the amygdala and entorhinal cortex of subjects diagnosed with schizophrenia. *Archives of General Psychiatry*, 67(2), 155-155. doi.

Pantinople, J., McCabe, K., Henderson, K., Richards, H. L., & Milne, N. (2017). The development of curvature in the porcine radioulna. *PeerJ*, 5, e3386. doi: 10.7717/peerj.3386. <https://doi.org/10.7717/peerj.3386>

Paolicelli, R. C., Jawaid, A., Henstridge, C. M., Valeri, A., Merlini, M., Robinson, J. L., . . . Rajendran, L. (2017). TDP-43 Depletion in Microglia Promotes Amyloid Clearance but Also Induces Synapse Loss. *Neuron*. doi: <https://doi.org/10.1016/j.neuron.2017.05.037>.
<http://www.sciencedirect.com/science/article/pii/S0896627317304750>

Papadopoulou, A. S., Serneels, L., Achsel, T., Mandemakers, W., Callaerts-Vegh, Z., Dooley, J., . . . De Strooper, B. (2014). Deficiency of the miR-29a/b-1 cluster leads to ataxic features and cerebellar alterations in mice. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.10.006>.
<http://www.sciencedirect.com/science/article/pii/S096999611400299X>

Papageorgiou, I., Fetani, A., Lewen, A., Heinemann, U., & Kann, O. (2014). Widespread activation of microglial cells in the hippocampus of chronic epileptic rats correlates only partially with neurodegeneration. *Brain Structure and Function*, 1-17. doi: 10.1007/s00429-014-0802-0. <http://dx.doi.org/10.1007/s00429-014-0802-0>

Papageorgiou, I. E., Gabriel, S., Fetani, A. F., Kann, O., & Heinemann, U. (2011). Redistribution of astrocytic glutamine synthetase in the hippocampus of chronic epileptic rats. *Glia*, 59(11), 1706-1718. doi: 10.1002/glia.21217. <http://dx.doi.org/10.1002/glia.21217>

Papageorgiou, I. E., Valous, N. A., Lahrmann, B., Janova, H., Klatf, Z.-J., Koch, A., . . . Kann, O. (2018). Astrocytic glutamine synthetase is expressed in the neuronal somatic layers and down-regulated proportionally to neuronal loss in the human epileptic hippocampus. *Glia*, n/a-n/a. doi: 10.1002/glia.23292. <http://dx.doi.org/10.1002/glia.23292>

Papageorgiou, S. G., Beratis, I. N., Horvath, J., Herrmann, F. R., Bouras, C., & Kövari, E. (2016). Amnesia in frontotemporal dementia: shedding light on the Geneva historical data. *Journal of Neurology*, 1-8. doi: <http://link.springer.com/article/10.1007/s00415-015-8019-6>

Papesh, M. A., & Hurley, L. M. (2011). Plasticity of serotonergic innervation of the inferior colliculus in mice following acoustic trauma. *Hearing Research*. doi.

Pappas, B. A., Payne, K. B., Fortin, T., & Sherren, N. (2005). Neonatal lesion of forebrain cholinergic neurons: Further characterization of behavioral effects and permanency. *Neuroscience*, 133(2), 485-492. doi.

Pappas, S. S., Liang, C.-C., Kim, S., Rivera, C. O., & Dauer, W. T. (2017). TorsinA dysfunction causes persistent neuronal nuclear pore defects. *Human Molecular Genetics*, ddx405- ddx405. doi: 10.1093/hmg/ddx405. <http://dx.doi.org/10.1093/hmg/ddx405>

Pardo, M., Abrial, E., Jope, R. S., & Beurel, E. (2016). GSK3 β isoform-selective regulation of depression, memory and hippocampal cell proliferation. *Genes, Brain and Behavior*, n/a- n/a. doi: 10.1111/gbb.12283. <http://dx.doi.org/10.1111/gbb.12283>

Parekh, R., & Ascoli, Giorgio A. (2013). Neuronal Morphology Goes Digital: A Research Hub for Cellular and System Neuroscience. *Neuron*, 77(6), 1017-1038. doi: <http://dx.doi.org/10.1016/j.neuron.2013.03.008>. <http://www.sciencedirect.com/science/article/pii/S0896627313002328>

Parent, M., & Descarries, L. (2008). Acetylcholine innervation of the adult rat thalamus: distribution and ultrastructural features in dorsolateral geniculate, parafascicular, and reticular thalamic nuclei. *Journal of Comparative Neurology*, 511(5), 678-691. doi.

Parent, M., Wallman, M. J., & Descarries, L. (2010). Distribution and ultrastructural features of the serotonin innervation in rat and squirrel monkey subthalamic nucleus. *European Journal of Neuroscience*, 31(7), 1233-1242. doi.

Parida, R., Das, S., Raju, T. R., & Sathyaprabha, T. N. (2019). Human placental extract ameliorates cytokine and cytokine receptor signaling in the rat hippocampus upon BenzolalPyrene exposure. *Journal of Chemical Neuroanatomy*, 98, 8-16. doi: <https://doi.org/10.1016/j.jchemneu.2019.03.001>. <http://www.sciencedirect.com/science/article/pii/S0891061818301893>

Parihar, V. K., Allen, B. D., Tran, K., Chmielewski, N. N., Craver, B. M., Martirosian, V., . . . Acharya, M. (2014). Targeted overexpression of mitochondrial catalase prevents radiation- induced cognitive dysfunction. *Antioxidants & redox signaling*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/ars.2014.5929>

Parikh, T. P., Malik, M., Britten, J., Aly, J. M., Pilgrim, J., & Catherino, W. H. (2020). Steroid hormones and hormone antagonists regulate the neural marker neurotrimin in uterine leiomyoma. *Fertility and Sterility*, 113(1), 176-186. doi: <https://doi.org/10.1016/j.fertnstert.2019.08.090>. <http://www.sciencedirect.com/science/article/pii/S0015028219323015>

Parikh, U., Williams, M., Jacobs, A., Pineda, J. A., Brody, D. L., & Friess, S. H. (2016). Delayed Hypoxemia Following Traumatic Brain Injury Exacerbates White Matter Injury. [10.1093/jnen/nlw045]. *Journal of Neuropathology and Experimental Neurology*. doi: <http://jnen.oxfordjournals.org/content/early/2016/06/10/jnen.nlw045.abst...>

Parikh, V., Howe, W. M., Welchko, R. M., Naughton, S. X., D'Amore, D. E., Han, D. H., . . . Sarter, M. (2012). Diminished trkA receptor signaling reveals cholinergic-attentional vulnerability of aging. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12090. <http://dx.doi.org/10.1111/ejn.12090>

Parish, C. L., Finkelstein, D. I., Drago, J., Borrelli, E., & Horne, M. K. (2001). The Role of Dopamine Receptors in Regulating the Size of Axonal Arbors. *Journal of Neuroscience*, 21(14), 5147-5157. doi: <http://www.jneurosci.org/cgi/content/abstract/21/14/5147>

Parish, C. L., Stanic, D., Drago, J., Borrelli, E., Finkelstein, D. I., & Horne, M. K. (2002). Effects of long-term treatment with dopamine receptor agonists and antagonists on terminal arbor size. *European Journal of Neuroscience*, 16(5), 787-794. doi: 10.1046/j.1460-9568.2002.02132.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2002.02132.x>

Park, D. H., Eve, D. J., Sanberg, P. R., Musso Iii, J., Bachstetter, A. D., Wolfson, A., . . . Gemma, C. (2010). Increased neuronal proliferation in the dentate gyrus of aged rats following neural stem cell implantation. *Stem Cells and Development*, 19(2), 175-180. doi: 10.1002/sct.1002

Park, E. J., Park, S. Y., Joe, E. H., & Jou, I. (2003). 15d-PGJ2 and rosiglitazone suppress Janus kinase-STAT inflammatory signaling through induction of suppressor of cytokine signaling 1 (SOCS1) and SOCS3 in glia. *Journal of Biological Chemistry*, 278. doi: 10.1074/jbc.M210819200. <http://dx.doi.org/10.1074/jbc.M210819200>

Park, H., Kim, J., Ha, J., Hwang, I. G., Song, T.-J., Yoo, J., . . . Heo, J. H. (2019). Histologic features of intracranial thrombi in stroke patients with cancer. *Annals of Neurology*, 0(ja). doi: 10.1002/ana.25495. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25495>

Park, J. H., Long, A., Owens, K., & Kristian, T. (2016). Nicotinamide mononucleotide inhibits post-ischemic NAD⁺ degradation and dramatically ameliorates brain damage following global cerebral ischemia. *Neurobiology of Disease*, 95, 102-110. doi: <http://dx.doi.org/10.1016/j.nbd.2016.07.018>. <http://www.sciencedirect.com/science/article/pii/S0969996116301760>

Park, J. J., Tang, Y., Lopez, I., & Ishiyama, A. (2001). Unbiased Estimation of Human Vestibular Ganglion Neurons. *Annals of the New York Academy of Sciences*, 942(1), 475-478. doi: 10.1111/j.1749-6632.2001.tb03773.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1749-6632.2001.tb03773...>

Park, J. J., Tang, Y., Lopez, I., & Ishiyama, A. (2000). Unbiased stereological quantification of neurons in the human vestibular ganglion. *Neuroreport*, 11(4), 853-853. doi: 10.1093/neuroreport/11/4/853

Park, J. J., Tang, Y., Lopez, I., & Ishiyama, A. (2001). Age-related change in the number of neurons in the human vestibular ganglion. *Journal of Comparative Neurology*, 431(4), 437-443. doi.

Park, K. H., Franciosi, S., & Leavitt, B. R. (2013). Postnatal muscle modification by myogenic factors modulates neuropathology and survival in an ALS mouse model. *Nature Communications*, 4. doi. <http://www.nature.com/ncomms/2013/131218/ncomms3906/full/ncomms3906.html>

Park, K. H. J., Franciosi, S., Parant, K., Lu, G., & Leavitt, B. R. (2017). p35 hemizygosity activates Akt but does not improve motor function in the YAC128 mouse model of Huntington's disease. *Neuroscience*. doi: <http://doi.org/10.1016/j.neuroscience.2017.03.051>.
<http://www.sciencedirect.com/science/article/pii/S0306452217302269>

Park, K. H. J., Lu, G., Fan, J., Raymond, L. A., & Leavitt, B. R. (2012). Decreasing Levels of the cdk5 Activators, p25 and p35, Reduces Excitotoxicity in Striatal Neurons. *Journal of Huntington's Disease*. doi.

Park, S., Burke, R. E., Kareva, T., Kholodilov, N., Aimé, P., Franke, T. F., . . . Greene, L. A. (2018). Context-dependent expression of a conditionally-inducible form of active Akt. *Plos one*, 13(6), e0197899. doi: 10.1371/journal.pone.0197899. <https://doi.org/10.1371/journal.pone.0197899>

Park, S.-W., Yi, J.-H., Miranpuri, G., Satriotomo, I., Bowen, K., Resnick, D. K., & Vemuganti, R. (2007). Thiazolidinedione Class of Peroxisome Proliferator-Activated Receptor γ Agonists Prevents Neuronal Damage, Motor Dysfunction, Myelin Loss, Neuropathic Pain, and Inflammation after Spinal Cord Injury in Adult Rats. *Journal of Pharmacology and Experimental Therapeutics*, 320(3), 1002-1012. doi.

Park, S.-Y., Kye, S.-B., Yang, S.-M., & Shin, S.-Y. (2010). The effect of non-resorbable membrane on buccal bone healing at an immediate implant site: an experimental study in dogs. *Clinical Oral Implants Research*, no-no. doi: 10.1111/j.1600-0501.2010.01995.x. <http://dx.doi.org/10.1111/j.1600-0501.2010.01995.x>

Parks, G. S., Wang, L., Wang, Z., & Civelli, O. (2014). Identification of Neuropeptide Receptors Expressed by Melanin-Concentrating Hormone Neurons. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23642. <http://dx.doi.org/10.1002/cne.23642>

Parmar, J., & Jones, N. M. (2015). Hypoxic preconditioning can reduce injury-induced inflammatory processes in the neonatal rat brain. *International Journal of Developmental Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.ijdevneu.2015.03.010>.
<http://www.sciencedirect.com/science/article/pii/S0736574815000386>

Parr, A. M., Kulbatski, I., Wang, X. H., Keating, A., & Tator, C. H. (2008). Fate of transplanted adult neural stem/progenitor cells and bone marrow-derived mesenchymal stromal cells in the injured adult rat spinal cord and impact on functional recovery. *Surgical Neurology*, 70(6), 600-607. doi.

Parr, A. M., Kulbatski, I., Zahir, T., Wang, X., Yue, C., Keating, A., & Tator, C. H. (2008). Transplanted adult spinal cord-derived neural stem/progenitor cells promote early functional recovery after rat spinal cord injury. *Neuroscience*, 155(3), 760-770. doi.

Partanen, S., Haapanen, A., Kielar, C., Pontikis, C., Alexander, N., Inkinen, T., . . . Tyynelä, J. (2008). Synaptic Changes in the Thalamocortical System of Cathepsin D-Deficient Mice: A Model of Human Congenital Neuronal Ceroid-Lipofuscinosis. *Journal of Neuropathology and Experimental Neurology*, 67(1), 16-29. doi.

Pasbakhsh, P., & Omid, D. C. G. N. (2004). Interaction of Vesicular Monoamine Transporter 2 (VMAT2) and Neuromelanin Pigment Among the Midbrain Dopaminergic Neurons in Man. *Acta Medica Iranica*, 42(1). doi.

Pasbakhsh, P., Omid, N., Mehrannia, K., Sobhani, A. G., Kashani, I. R., Abbasi, M., & Valeshabad, A. K. (2008). The protective effect of vitamin E on locus coeruleus in early model of Parkinson's disease in rat: immunoreactivity evidence. *Iran Biomedical Journal*, 12(4), 217-222. doi.

Pascente, R., Frigerio, F., Rizzi, M., Porcu, L., Boido, M., Davids, J., . . . Ravizza, T. (2016). Cognitive deficits and brain myo-Inositol are early biomarkers of epileptogenesis in a rat model of epilepsy. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.05.001>.
<http://www.sciencedirect.com/science/article/pii/S096999611630095X>

Pasquereau, B., & Turner, R. S. (2010). Primary Motor Cortex of the Parkinsonian Monkey: Differential Effects on the Spontaneous Activity of Pyramidal Tract-Type Neurons. *Cerebral Cortex*. doi: 10.1093/cercor/bhq217.
<http://cercor.oxfordjournals.org/content/early/2010/11/01/cercor.r.bhq217....>

Passos, P. P., Borba, J. M. C., de Melo, A. P. R., Guedes, R. C. A., da Silva, R. P., Gouveia, K. M. M., . . . Picanço-Diniz, C. W. (2012). Dopaminergic Cell Populations of the Rat Substantia Nigra are Differentially Affected by Essential Fatty Acid Dietary Restriction over Two Generations. *Journal of Chemical Neuroanatomy*. doi.

Pastor, R., Font, L., Miquel, M., Phillips, T. J., & Aragon, C. M. G. (2011). Involvement of the Beta-Endorphin Neurons of the Hypothalamic Arcuate Nucleus in Ethanol-Induced Place Preference Conditioning in Mice. *Alcoholism: Clinical and Experimental Research*. doi.

Pasumarthi, R. K., Gerashchenko, D., & Kilduff, T. S. (2010). Further characterization of sleep-active neuronal nitric oxide synthase neurons in the mouse brain. *Neuroscience*, 169(1), 149-157. doi.

Patel, A. V., Huang, T., & Krimm, R. F. (2010). Lingual and palatal gustatory afferents each depend on both BDNF and NT-4, but the dependence is greater for lingual than palatal afferents. *Journal of Comparative Neurology*, 518(16), 3290-3301. doi.

Patel, A. V., & Krimm, R. F. (2010). BDNF is required for the survival of differentiated geniculate ganglion neurons. *Developmental Biology*, 340(2), 419-429. doi.

Patel, C., Tashiro, J., Hauzman, E., Banci, K., Fitzgerald, M. E., & Fix Ventura, D. (2020). A comparative study of the distribution and density of retinal ganglion cells and visual acuity in Bothrops snakes with differences in the habitat use. *Investigative Ophthalmology and Visual Science*, 61(7), 4517-4517. doi.

Patel, P., Julien, J.-P., & Kriz, J. (2014). Early-Stage Treatment with Withaferin A Reduces Levels of Misfolded Superoxide Dismutase 1 and Extends Lifespan in a Mouse Model of Amyotrophic Lateral Sclerosis. *Neurotherapeutics*, 1-17. doi. <http://link.springer.com/article/10.1007/s13311-014-0311-0/fulltext.html>

Patel, V., Joseph, G., Patel, A., Patel, S., Bustin, D., Mawson, D., . . . Pearse, D. D. (2010). Suspension matrices for improved Schwann-cell survival after implantation into the injured rat spinal cord. *Journal of Neurotrauma*, 27(5), 789-801. doi.

Pathak, D., Berthet, A., Bendor, J. T., Yu, K., Sellnow, R. C., Orr, A. L., . . . Nakamura, K. (2017). Loss of α -Synuclein Does Not Affect Mitochondrial Bioenergetics in Rodent Neurons. *eneuro*, ENEURO. 0216-0216.2017. doi. <http://eneuro.org/content/early/2017/04/17/ENEURO.0216-16.2017>

Patisaul, H. B., Fortino, A. E., & Polston, E. K. (2006). Neonatal genistein or bisphenol-A exposure alters sexual differentiation of the AVPV. *Neurotoxicology and Teratology*, 28(1), 111-118. doi.

Patisaul, H. B., Fortino, A. E., & Polston, E. K. (2007). Differential disruption of nuclear volume and neuronal phenotype in the preoptic area by neonatal exposure to genistein and bisphenol-A. *Neurotoxicology*, 28(1), 1-12. doi.

Patisaul, H. B., Fortino, A. E., & Polston, E. K. (2007). Sex differences in serotonergic (5-HT) but not GABAergic projections to the rat ventromedial nucleus of the hypothalamus (VMN). *Endocrinology*, doi:10.1210/en.2007-0666. doi.

Patisaul, H. B., Fortino, A. E., & Polston, E. K. (2008). Sex Differences in Serotonergic But Not γ -Aminobutyric Acidergic (GABA) Projections to the Rat Ventromedial Nucleus of the Hypothalamus. *Endocrinology*, 149(1), 397-408. doi: 10.1210/en.2007-0666. <http://endo.endojournals.org/cgi/content/abstract/149/1/397>

Patodia, S., Somani, A., O'Hare, M., Venkateswaran, R., Liu, J., Michalak, Z., . . . Thom, M. (2018). The ventrolateral medulla and medullary raphe in sudden unexpected death in epilepsy. *Brain*, awy078-awy078. doi: 10.1093/brain/awy078. <http://dx.doi.org/10.1093/brain/awy078>

Patodia, S., Tachrount, M., Somani, A., Scheffer, I., Yousry, T., Golay, X., . . . Thom, M. (2020). MRI and pathology correlations in the medulla in SUDEP: A post-mortem study. *Neuropathology and Applied Neurobiology*, n/a(n/a). doi: 10.1111/nan.12638. <https://onlinelibrary.wiley.com/doi/abs/10.1111/nan.12638>

Patrick, E., Olah, M., Taga, M., Klein, H.-U., Xu, J., White, C. C., . . . De Jager, P. L. (2021). A cortical immune network map identifies distinct microglial transcriptional programs

associated with β -amyloid and Tau pathologies. *Translational Psychiatry*, 11(1), 50. doi: 10.1038/s41398-020-01175-9. <https://doi.org/10.1038/s41398-020-01175-9>

Patterson, J. R., Duffy, M. F., Kemp, C. J., Howe, J. W., Collier, T. J., Stoll, A. C., . . . Sortwell, C. E. (2019). Time course and magnitude of alpha-synuclein inclusion formation and nigrostriatal degeneration in the rat model of synucleinopathy triggered by intrastriatal α -synuclein preformed fibrils. *Neurobiology of Disease*, 130, 104525. doi: <https://doi.org/10.1016/j.nbd.2019.104525>.
<http://www.sciencedirect.com/science/article/pii/S0969996119301937>

Pattwell, S. S., Liston, C., Jing, D., Ninan, J., Yang, R. R., Witzum, J., . . . Lee, F. S. (2016). Dynamic changes in neural circuitry during adolescence are associated with persistent attenuation of fear memories. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms11475. <http://dx.doi.org/10.1038/ncomms11475>

Patzlaff, N. E., Nemec, K. M., Malone, S. G., Li, Y., & Zhao, X. (2017). Fragile X related protein 1 (FXR1P) regulates proliferation of adult neural stem cells. *Human Molecular Genetics*. doi: <https://academic.oup.com/hmg/article-abstract/29/96699/Fragile-X-related-...>

Paulino, A. D., Ubhi, K., Rockenstein, E., Adame, A., Crews, L., Letendre, S., . . . Masliah, E. (2011). Neurotoxic effects of the HCV core protein are mediated by sustained activation of ERK via TLR2 signaling. *Journal of Neurovirology*, 1-14. doi.

Paus, M., Kohl, Z., Ben Abdallah, N. M. B., Galter, D., Gillardon, F., & Winkler, J. (2012). Enhanced dendritogenesis and axogenesis in hippocampal neuroblasts of LRRK2 knockout mice. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2012.12.024>. <http://www.sciencedirect.com/science/article/pii/S000689931201935X>

Payne, S. L., Anandakumaran, P. N., Varga, B. V., Morshead, C. M., Nagy, A., & Shoichet, M. S. (2017). In vitro maturation of human iPS-derived neuroepithelial cells influences transplant survival in the stroke-injured rat brain. *Tissue Engineering Part A*. doi: 10.1089/ten.TEA.2016.0515. <https://doi.org/10.1089/ten.TEA.2016.0515>

Pearse, D. D., Lo Jr, T. P., Cho, K. S., Lynch, M. P., Garg, M. S., Marcillo, A. E., . . . Dietrich, W. D. (2005). Histopathological and behavioral characterization of a novel cervical spinal cord displacement contusion injury in the rat. *Journal of Neurotrauma*, 22(6), 680-702. doi.

Pearse, D. D., Pereira, F. C., Marcillo, A. E., Bates, M. L., Berrocal, Y. A., Filbin, M. T., & Bunge, M. B. (2004). cAMP and Schwann cells promote axonal growth and functional recovery after spinal cord injury. *Nature of Medicine*, 10, 610-616. doi.

Pearse, D. D., Pereira, F. C., Stolyarova, A., Barakat, D. J., & Bunge, M. B. (2004). Inhibition of tumour necrosis factor-alpha by antisense targeting produces immunophenotypical and morphological changes in injury-activated microglia and macrophages. *European Journal of Neuroscience*, 20(12), 3387-3396. doi.

Pearse, D. D., Sanchez, A. R., Pereira, F. C., Andrade, C. M., Puzis, R., Pressman, Y., . . . others. (2007). Transplantation of Schwann cells and/or olfactory ensheathing glia into the

contused spinal cord: Survival, migration, axon association, and functional recovery. *Glia*, 55(9), 976-1000. doi:

Pearson, W. G., Langmore, S. E., & Zumwalt, A. C. (2010). Evaluating the structural properties of suprahyoid muscles and their potential for moving the hyoid. *Dysphagia*, 1-7. doi:

Peck, J. D., Quaas, A. M., Craig, L. B., Soules, M. R., Klein, N. A., & Hansen, K. R. (2015). Lifestyle factors associated with histologically derived human ovarian non-growing follicle count in reproductive age women. *Human Reproduction*. doi: 10.1093/humrep/dev271.
<http://humrep.oxfordjournals.org/content/early/2015/10/22/humrep.dev271...>

Peck, J. R., & Taube, J. S. (2016). The postrhinal cortex is not necessary for landmark control in rat head direction cells. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22680. <http://dx.doi.org/10.1002/hipo.22680>

Peden, C. S., Burger, C., Muzyczka, N., & Mandel, R. J. (2004). Circulating anti-wild-type adeno-associated virus type 2 (AAV2) antibodies inhibit recombinant AAV2 (rAAV2)- mediated, but not rAAV5-mediated, gene transfer in the brain. *Journal of Virology*, 78(12), 6344-6344. doi:

Peden, C. S., Manfredsson, F. P., Reimsnider, S. K., Poirier, A. E., Burger, C., Muzyczka, N., & Mandel, R. J. (2009). Striatal Readministration of rAAV Vectors Reveals an Immune Response Against AAV2 Capsids That Can Be Circumvented. *Molecular Therapy*. doi: <http://dx.doi.org/10.1038/mt.2008.284>

Pedersen, L. H., Stoltenberg, M., Ernst, E., & West, M. J. (2003). Leydig cell death in rats exposed to bismuth subnitrate. *Journal of Applied Toxicology*, 23(4), 235-238. doi:

Pedrini, S., Thomas, C., Brautigam, H., Schmeidler, J., Ho, L., Fraser, P., . . . Gandy, S. (2009). Dietary composition modulates brain mass and amyloid beta levels in a mouse model of aggressive Alzheimer's amyloid pathology. *Molecular Neurodegeneration*, 4(1), 40. doi: <http://www.molecularneurodegeneration.com/content/4/1/40>

Peel, L. R., Collin, S. P., & Hart, N. S. (2020). Retinal topography and spectral sensitivity of the Port Jackson shark (*Heterodontus portusjacksoni*). *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24911. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24911>

Pêgo, J. M., Morgado, P., Cerqueira, J. J., Almeida, O. F. X., & Sousa, N. (2006). Mismatch between anxiety status and morphometric parameters in the amygdala and bed nucleus of the stria terminalis. *Behavioural Brain Research*, 173(2), 320-325. doi:

Pêgo, J. M., Morgado, P., Cerqueira, J. J., Almeida, O. F. X., & Sousa, N. (2007). Corticotrophin- releasing factor mediated anxiety correlates with synaptic changes in bed nucleus of the stria terminalis. Influence of Stress in the Structure and Function of the Amygdala, 117-117. doi:

Pego, J. M., Morgado, P., Pinto, L. G., Cerqueira, J. J., Almeida, O. F. X., & Sousa, N. (2008). Dissociation of the morphological correlates of stress-induced anxiety and fear. *European Journal of Neuroscience*, 27(6), 1503-1516. doi.

Pego, J. M., Sousa, J. C., Martins, L., Cerqueira, J. J., Almeida, O. F. X., & Sousa, N. (2007). Stress alters the pattern of c-fos activation in the bed nucleus of stria terminalis: implications for anxiety behavior and HPA dysfunction. *Influence of Stress in the Structure and Function of the Amygdala*, 89-89. doi.

Peiffer, A., Fitch, R. H., Thomas, J., Yurkovic, A., & Rosen, G. (2003). Brain weight differences associated with induced focal microgyria. *BMC Neuroscience*, 4(1), 12. doi. <http://www.biomedcentral.com/1471-2202/4/12>

Peiffer, A. M., McClure, M. M., Threlkeld, S. W., Rosen, G. D., & Holly Fitch, R. (2004). Severity of focal microgyria and associated rapid auditory processing deficits. *Neuroreport*, 15(12), 1923-1923. doi.

Pekcec, A., Lüpke, M., Baumann, R., Seifert, H., & Potschka, H. (2011). Modulation of neurogenesis by targeted hippocampal irradiation fails to affect kindling progression. *Hippocampus*, 21(8), 866-876. doi: 10.1002/hipo.20802. <http://dx.doi.org/10.1002/hipo.20802>

Pekcec, A., Unkruer, B., Schlichtiger, J., Soerensen, J., Hartz, A. M. S., Bauer, B., . . . Potschka, H. (2009). Targeting prostaglandin E2 EP1 receptors prevents seizure-associated P-glycoprotein up-regulation. *Journal of Pharmacology and Experimental Therapeutics*, 330(3), 939-947. doi.

Pekcec, A., Weinhold, B., Gerardy-Schahn, R., & Potschka, H. (2010). Polysialic acid affects pathophysiological consequences of status epilepticus. *Neuroreport*, 21(8), 549-549. doi.

Peleg-Raibstein, D., Knuesel, I., & Feldon, J. (2008). Amphetamine sensitization in rats as an animal model of schizophrenia. *Behavioural Brain Research*, 191(2), 190-201. doi.

Pellegrini, C., Antonioli, L., Colucci, R., Tirotta, E., Gentile, D., Ippolito, C., . . . Fornai, M. (2017). Effects of L-DOPA/benserazide co-treatment on colonic excitatory cholinergic motility and enteric inflammation following dopaminergic nigrostriatal neurodegeneration. *Neuropharmacology*, 123, 22-33. doi: <https://doi.org/10.1016/j.neuropharm.2017.05.016>. <http://www.sciencedirect.com/science/article/pii/S0028390817302228>

Pellegrini, C., Fornai, M., Colucci, R., Tirotta, E., Blandini, F., Levandis, G., . . . Antonioli, L. (2016). Alteration of colonic excitatory tachykininergic motility and enteric inflammation following dopaminergic nigrostriatal neurodegeneration. [journal article]. *Journal of neuroinflammation*, 13(1), 1-13. doi: 10.1186/s12974-016-0608-5. <http://dx.doi.org/10.1186/s12974-016-0608-5>

Pelletier, G., Ouellet, J., Martel, C., & Labrie, F. (2012). Effects of Ovariectomy and Dehydroepiandrosterone (DHEA) on Vaginal Wall Thickness and Innervation. *Journal of*

Sexual Medicine, no-no. doi: 10.1111/j.1743-

6109.2012.02895.x. <http://dx.doi.org/10.1111/j.1743-6109.2012.02895.x>

Pelletier, G., Ouellet, J., Martel, C., & Labrie, F. (2013). Androgenic Action of Dehydroepiandrosterone (DHEA) on Nerve Density in the Ovariectomized Rat Vagina. *Journal of Sexual Medicine*, n/a-n/a. doi:

10.1111/jsm.12219. <http://dx.doi.org/10.1111/jsm.12219>

Pendergast, J. S., Tuesta, L. M., & Bethea, J. R. (2008). Oestrogen Receptor β Contributes to the Transient Sex Difference in Tyrosine Hydroxylase Expression in the Mouse Locus Coeruleus. *Journal of Neuroendocrinology*, 20(10), 1155-1164. doi:

Peng, J., Mao, X. O., Stevenson, F. F., Hsu, M., & Andersen, J. K. (2004). The Herbicide Paraquat Induces Dopaminergic Nigral Apoptosis through Sustained Activation of the JNK Pathway. *Journal of Biological Chemistry*, 279(31), 32626-32632. doi: 10.1074/jbc.M404596200. <http://www.jbc.org/cgi/content/abstract/279/31/32626>

Peng, J., Oo, M. L., & Andersen, J. K. (2010). Synergistic Effects of Environmental Risk Factors and Gene Mutations in Parkinson's Disease Accelerate Age-Related Neurodegeneration.

Journal of Neurochemistry, no-no. doi: 10.1111/j.1471-

4159.2010.07036.x. <http://dx.doi.org/10.1111/j.1471-4159.2010.07036.x>

Peng, J., Xie, L., Stevenson, F. F., Melov, S., Di Monte, D. A., & Andersen, J. K. (2006). Nigrostriatal Dopaminergic Neurodegeneration in the Weaver Mouse Is Mediated via Neuroinflammation and Alleviated by Minocycline Administration. *Journal of Neuroscience*, 26(45), 11644-11651. doi: 10.1523/jneurosci.3447-

06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/45/11644>

Peng, S. P., Kügler, S., Ma, Z. K., Shen, Y. Q., & Schachner, M. (2011). Comparison of AAV2 and AAV5 in gene transfer in the injured spinal cord of mice. *Neuroreport*, 22(12), 565-565. doi:

Peng, S.-P., Zhang, Y., Copray, S., Schachner, M., & Shen, Y.-Q. (2017). Participation of perforin in mediating dopaminergic neuron loss in MPTP-induced Parkinson's disease in mice.

Biochemical and Biophysical Research

Communications. doi:

<http://dx.doi.org/10.1016/j.bbrc.2017.01.150>.

//www.sciencedirect.com/science/article/pii/S0006291X17302188

Peng, Y.-C., M. Levine, C., Zahid, S., Wilson, E. L., & Joyner, A. L. (2013). Sonic hedgehog signals to multiple prostate stromal stem cells that replenish distinct stromal subtypes during regeneration. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1315729110.

<http://www.pnas.org/content/early/2013/11/07/1315729110.abstract>

Peng, Z., Zhang, N., Wei, W., Huang, C. S., Cetina, Y., Otis, T. S., & Houser, C. R. (2013). A Reorganized GABAergic Circuit in a Model of Epilepsy: Evidence from Optogenetic Labeling and Stimulation of Somatostatin Interneurons. *Journal of Neuroscience*, 33(36), 14392-14405. doi: 10.1523/jneurosci.2045-

13.2013. <http://www.jneurosci.org/content/33/36/14392.abstract>

Penttinen, A.-M., Suleymanova, I., Albert, K., Anttila, J., Voutilainen, M. H., & Airavaara, M. (2016). Characterization of a new low-dose 6-hydroxydopamine model of Parkinson's disease in rat. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23708. <http://dx.doi.org/10.1002/jnr.23708>

Penumatsa, K., Edassery, S. L., Barua, A., Bradaric, M. J., Luborsky, J. L., & others. (2010). Differential expression of aldehyde dehydrogenase 1a1 (ALDH1) in normal ovary and serous ovarian tumors. *Journal of Ovarian Research*, 3, 28-28. doi.

Peoples, C., Spana, S., Ashkan, K., Benabid, A. L., Stone, J., Baker, G. E., & Mitrofanis, J. (2012). Photobiomodulation enhances nigral dopaminergic cell survival in a chronic MPTP mouse model of Parkinson's disease. *Parkinsonism and Related Disorders*. doi.

Peralta, S., Torraco, A., Wenz, T., Garcia, S., Diaz, F., & Moraes, C. T. (2013). Partial Complex I deficiency due to the CNS conditional ablation of Ndufa5 results in a mild chronic encephalopathy but no increase in oxidative damage. *Human Molecular Genetics*. doi: 10.1093/hmg/ddt526. <http://hmg.oxfordjournals.org/content/early/2013/10/23/hmg.ddt526.abstract>

Pereda-Pérez, I., Popović, N., Otalora, B. B., Popović, M., Madrid, J. A., RoI, M. A., & Venero, C. (2013). Long-term social isolation in the adulthood results in CA1 shrinkage and cognitive impairment. *Neurobiology of Learning and Memory*, (o). doi: <http://dx.doi.org/10.1016/j.nlm.2013.07.004>. <http://www.sciencedirect.com/science/article/pii/S1074742713001172>

Pereda-Pérez, I., Valencia, A., Baliyan, S., Núñez, A., Sanz-García, A., Zamora, B., . . . Venero, C. (2019). Systemic administration of a fibroblast growth factor receptor 1 agonist rescues the cognitive deficit in aged socially isolated rats. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2019.02.011>. <http://www.sciencedirect.com/science/article/pii/S0197458019300582>

Pereira, L. d. S., Gobbo, D. R., Ferreira, J. G. P., Horta-Junior, J. d. A. d. C. e., Sá, S. I., & Bittencourt, J. C. (2020). Effects of ovariectomy on inputs from the medial preoptic area to the ventromedial nucleus of the hypothalamus of young adult rats. *Journal of Anatomy*, n/a(n/a). doi: 10.1111/joa.13304. <https://onlinelibrary.wiley.com/doi/abs/10.1111/joa.13304>

Pereira, M. C. L., Secco, M., Suzuki, D. E., Janjoppi, L., Rodini, C. O., Torres, L. B., . . . Okamoto, O. K. (2011). Contamination of mesenchymal stem-cells with fibroblasts accelerates neurodegeneration in an experimental model of Parkinson's disease. *Stem Cell Reviews and Reports*, 1-12. doi.

Pereira, P., Puga, S., Cardoso, V., Pinto-Ribeiro, F., Raimundo, J., Barata, M., . . . Almeida, A. (2015). Inorganic mercury accumulation in brain following waterborne exposure elicits a deficit on the number of brain cells and impairs swimming behavior in fish (white seabream—*Diplodus sargus*). *Aquatic Toxicology*. doi: <http://dx.doi.org/10.1016/j.aquatox.2015.11.031>. <http://www.sciencedirect.com/science/article/pii/S0166445X15301144>

Pereira, R., Leite, E., Raimundo, J., Guilherme, S., Puga, S., Santos, M. A., . . . Pereira, P. (2018). Metals(loids) targeting fish eyes and brain in a contaminated estuary - Uncovering neurosensory (un)susceptibility through bioaccumulation, antioxidant and morphometric profiles. *Marine Environmental Research*. doi: <https://doi.org/10.1016/j.marenvres.2018.07.001>. <http://www.sciencedirect.com/science/article/pii/S014111361830134X>

Pereira, V. H., Marques, F., Lages, V., Pereira, F. G., Patchev, A., Almeida, O. F. X., . . . Cerqueira, J. J. (2016). Glucose intolerance after chronic stress is related with downregulated PPAR- γ in adipose tissue. [journal article]. *Cardiovascular Diabetology*, 15(1), 1-11. doi: 10.1186/s12933-016-0433-2. <http://dx.doi.org/10.1186/s12933-016-0433-2>

Perez, E. J., Cepero, M. L., Perez, S. U., Coyle, J. T., Sick, T. J., & Liebl, D. J. (2016). EphB3 signaling propagates synaptic dysfunction in the traumatic injured brain. *Neurobiology of Disease*, 94, 73-84. doi: <http://dx.doi.org/10.1016/j.nbd.2016.06.007>. <http://www.sciencedirect.com/science/article/pii/S0969996116301401>

Perez-Cordova, M., Jaime, S., Guajardo, H., & Colom, L. (2010). Selective lesions of medial septal GABAergic neurons disrupt Hippocampal Theta Rhythm Amplitude. *BMC Neuroscience*, 11(Suppl 1), P125. doi: <http://www.biomedcentral.com/1471-2202/11/S1/P125>

Perez-Leighton, C. E., Little, M. R., Grace, M. K., Billington, C. J., & Kotz, C. M. (2016). Orexin signaling in rostral lateral hypothalamus and nucleus accumbens shell in the control of spontaneous physical activity in high and low activity rats. [10.1152/ajpregu.00339.2016]. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*. doi: <http://ajpregu.physiology.org/content/early/2016/12/27/ajpregu.00339.2016>

Perez-Pouchoulen, M., Yu, S. J., Roby, C. R., Bonsavage, N., & McCarthy, M. M. (2019). Regulatory Control of Microglial Phagocytosis by Estradiol and Prostaglandin E2 in the Developing Rat Cerebellum. [journal article]. *The Cerebellum*. doi: 10.1007/s12311-019-01071-z. <https://doi.org/10.1007/s12311-019-01071-z>

Pergel, A., Tümkaya, L., Çolakoğlu, M. K., Demiral, G., Kalcan, S., Özdemir, A., . . . Yilmaz, A. (2019). Effects of infliximab against carbon tetrachloride-induced intestinal injury via lipid peroxidation and apoptosis. *Human and Experimental Toxicology*, 0960327119867758. doi: 10.1177/0960327119867758. <https://doi.org/10.1177/0960327119867758>

Perier, C., Bove, J., Wu, D.-C., Dehay, B., Choi, D.-K., Jackson-Lewis, V., . . . Vila, M. (2007). Two molecular pathways initiate mitochondria-dependent dopaminergic neurodegeneration in experimental Parkinson's disease. *Proceedings of the National Academy of Sciences*, 104(19), 8161-8166. doi: 10.1073/Proceedings of the National Academy of Sciences.0609874104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/19/8161>

Perkins, A. E., Piazza, M. K., & Deak, T. (2018). Stereological Analysis of Microglia in Aged Male and Female Fischer 344 Rats in Socially Relevant Brain Regions. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2018.02.028>.
<http://www.sciencedirect.com/science/article/pii/S0306452218301465>

Perry, G. M., Tallaksen-Greene, S., Kumar, A., Heng, M. Y., Kneynsberg, A., van Groen, T., . . . Lesort, M. (2010). Mitochondrial calcium uptake capacity as a therapeutic target in the R6/2 mouse model of Huntington's disease. *Human Molecular Genetics*, 19(17), 3354-3371. doi: 10.1093/hmg/ddq247.
<http://hmg.oxfordjournals.org/content/19/17/3354.abstract>

Perry, H. M., Gorltdt, N., Sung, S.-s. J., Huang, L., Rudnicka, K. P., Encarnacion, I. M., . . . Okusa, M. D. (2019). Perivascular CD73+ cells attenuate inflammation and interstitial fibrosis in the kidney microenvironment. *American Journal of Physiology-Renal Physiology*, 0(0), null. doi: 10.1152/ajprenal.00243.2019.
<https://www.physiology.org/doi/abs/10.1152/ajprenal.00243.2019>

Persico, A. M. C. A., Baldi, A., Dell'Acqua, M. L., Moessner, R., Murphy, D. L., Lesch, K.-P., & Keller, F. (2003). Reduced programmed cell death in brains of serotonin transporter knockout mice. *Neuroreport*, 14(3), 341-344. doi.

Persson, Å., Osman, A., Bolouri, H., Mallard, C., & Kuhn, H. G. (2013). Radixin expression in microglia after cortical stroke lesion. *Glia*, n/a-n/a. doi: 10.1002/glia.22473. <http://dx.doi.org/10.1002/glia.22473>

Peterson, D. A. (1999). Quantitative histology using confocal microscopy: implementation of unbiased stereology procedures. *Methods*, 18, 493-507. doi.

Peterson, R. M., & Bingman, V. P. (2011). Septal area lesions impair spatial working memory in homing pigeons (*Columba livia*). *Neurobiology of Learning and Memory*. doi.

Peterson, S. L., Nguyen, H. X., Mendez, O. A., & Anderson, A. J. (2015). Complement Protein C1q Modulates Neurite Outgrowth In Vitro and Spinal Cord Axon Regeneration In Vivo. *The Journal of Neuroscience*, 35(10), 4332-4349. doi. <http://www.jneurosci.org/content/35/10/4332.short>

Petkau, T. L., Hill, A., & Leavitt, B. R. (2015). Core neuropathological abnormalities in progranulin-deficient mice are penetrant on multiple genetic backgrounds. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.12.006>.
<http://www.sciencedirect.com/science/article/pii/S0306452215010891>

Petkau, T. L., Zhu, S., Lu, G., Fernando, S., Cynader, M., & Leavitt, B. R. (2013). Sensitivity to neurotoxic stress is not increased in progranulin-deficient mice. *Neurobiology of Aging*, 0(0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2013.04.019>.
<http://www.sciencedirect.com/science/article/pii/S019745801300184X>

Petri, S., Calingasan, N. Y., Alsaied, O. A., Wille, E., Kiaei, M., Friedman, J. E., . . . Beal, M. F. (2007). The lipophilic metal chelators DP-109 and DP-460 are neuroprotective in a transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 102(3), 991-1000. doi: 10.1111/j.1471-4159.2007.04604.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.04604.x>

Petri, S., Kiaei, M., Damiano, M., Hiller, A., Wille, E., Manfredi, G., . . . Beal, M. F. (2006). Cell-permeable peptide antioxidants as a novel therapeutic approach in a mouse model of amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 98(4), 1141-1148. doi: [doi:10.1111/j.1471-4159.2006.04018.x](https://doi.org/10.1111/j.1471-4159.2006.04018.x). <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.04018.x>

Petri, S., Kiaei, M., Kipiani, K., Chen, J., Calingasan, N. Y., Crow, J. P., & Beal, M. F. (2006). Additive neuroprotective effects of a histone deacetylase inhibitor and a catalytic antioxidant in a transgenic mouse model of amyotrophic lateral sclerosis. *Neurobiology of Disease*, 22(1), 40-49. doi.

Petri, S., Kiaei, M., Wille, E., Calingasan, N. Y., & Flint Beal, M. (2006). Loss of Fas ligand-function improves survival in G93A-transgenic ALS mice. *Journal of the Neurological Sciences*, 251(1), 44-49. doi.

Petrides, M., & Pandya, D. N. (2009). Distinct parietal and temporal pathways to the homologues of Broca's area in the monkey. *PLoS biology*, 7(8), e1000170-e1000170. doi.

Petrik, D., Jiang, Y., Birnbaum, S. G., Powell, C. M., Kim, M. S., Hsieh, J., & Eisch, A. J. (2012). Functional and mechanistic exploration of an adult neurogenesis-promoting small molecule. *FASEB Journal*. doi.

Petrik, D., Yun, S., Latchney, S. E., Kamrudin, S., LeBlanc, J. A., Bibb, J. A., & Eisch, A. J. (2013). Early Postnatal In Vivo Gliogenesis From Nestin-Lineage Progenitors Requires Cdk5. *Plos one*, 8(8), e72819. doi: [10.1371/journal.pone.0072819](https://doi.org/10.1371/journal.pone.0072819). <http://dx.doi.org/10.1371%2Fjournal.pone.0072819>

Petroske, E., Meredith, G. E., Callen, S., Totterdell, S., & Lau, Y. S. (2001). Mouse model of Parkinsonism: a comparison between subacute MPTP and chronic MPTP/probenecid treatment. *Neuroscience*, 106(3), 589-601. doi.

Petrova, R., Garcia, A. D. R., & Joyner, A. L. (2013). Titration of GLI3 Repressor Activity by Sonic Hedgehog Signaling Is Critical for Maintaining Multiple Adult Neural Stem Cell and Astrocyte Functions. *The Journal of Neuroscience*, 33(44), 17490-17505. doi. <http://www.jneurosci.org/content/33/44/17490.short>

Petryszyn, S., Beaulieu, J.-M., Parent, A., & Parent, M. (2014). Distribution and morphological characteristics of striatal interneurons expressing calretinin in mice: A comparison with human and nonhuman primates. *Journal of Chemical Neuroanatomy*, (0). doi: [http://dx.doi.org/10.1016/j.jchemneu.2014.06.002](https://doi.org/10.1016/j.jchemneu.2014.06.002). <http://www.sciencedirect.com/science/article/pii/S089106181400043X>

Petryszyn, S., Di Paolo, T., Parent, A., & Parent, M. (2016). The number of striatal cholinergic interneurons expressing calretinin is increased in parkinsonian monkeys. *Neurobiology of Disease*. doi: [http://dx.doi.org/10.1016/j.nbd.2016.07.002](https://doi.org/10.1016/j.nbd.2016.07.002). <http://www.sciencedirect.com/science/article/pii/S0969996116301590>

Pettersson, J., Kalbermatten, D., McGrath, A., & Novikova, L. N. (2010). Biodegradable fibrin conduit promotes long-term regeneration after peripheral nerve injury in adult rats. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, 63(11), 1893-1899. doi.

Pezze, M., McGarrity, S., Mason, R., Fone, K. C., & Bast, T. (2014). Too little and too much: hypoactivation and disinhibition of medial prefrontal cortex cause attentional deficits. *Journal of Neuroscience*, 34. doi: 10.1523/JNEUROSCI.3450-13.2014. <http://dx.doi.org/10.1523/JNEUROSCI.3450-13.2014>

Pham, K., McEwen, B. S., Ledoux, J. E., & Nader, K. (2005). Fear learning transiently impairs hippocampal cell proliferation. *Neuroscience*, 130(1), 17-24. doi.

Pham, K., Nacher, J., Hof, P. R., & McEwen, B. S. (2003). Repeated restraint stress suppresses neurogenesis and induces biphasic PSA-NCAM expression in the adult rat dentate gyrus. *European Journal of Neuroscience*, 17(4), 879-886. doi: doi:10.1046/j.1460-9568.2003.02513.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02513.x>

Phani, S., Jablonski, M., Pelta-Heller, J., Cai, J., & Iacovitti, L. (2013). Gremlin is a novel VTA derived neuroprotective factor for dopamine neurons. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2013.01.017>. <http://www.sciencedirect.com/science/article/pii/S0006899313000668>

Phillips, G. A. C., How, M. J., Lange, J. E., Marshall, N. J., & Cheney, K. L. (2017). Disruptive colouration in reef fish: does matching the background reduce predation risk? [10.1242/jeb.151480]. *The Journal of Experimental Biology*, 220(11), 1962. doi: <http://jeb.biologists.org/content/220/11/1962.abstract>

Phillips, K. A., Ross, C. N., Spross, J., Cheng, C. J., Izquierdo, A., Biju, K. C., . . . Tardif, S. D. (2017). Behavioral Phenotypes Associated with MPTP Induction of Partial Lesions in Common Marmosets (*Callithrix jacchus*). *Behavioural Brain Research*. doi: <http://dx.doi.org/10.1016/j.bbr.2017.02.010>. <http://www.sciencedirect.com/science/article/pii/S0166432816312359>

Phillips, M. J., Perez, E. T., Martin, J. M., Reshel, S. T., Wallace, K. A., Capowski, E. E., . . . Gamm, D. M. (2014). Modeling human retinal development with patient-specific iPS cells reveals multiple roles for VSX2. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1667. <http://dx.doi.org/10.1002/stem.1667>

Phillips, R. J., Billingsley, C. N., & Powley, T. L. (2013). Macrophages are unsuccessful in clearing aggregated alpha-synuclein from the gastrointestinal tract of healthy aged Fischer 344 rats. *Anatomical Record*, n/a-n/a. doi: 10.1002/ar.22675. <http://dx.doi.org/10.1002/ar.22675>

Phillips, R. J., Hudson, C. N., & Powley, T. L. (2013). Sympathetic axonopathies and hyperinnervation in the small intestine smooth muscle of aged Fischer 344 rats. *Autonomic Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.autneu.2013.09.002>. <http://www.sciencedirect.com/science/article/pii/S1566070213007030>

Phillips, R. J., Kieffer, E. J., & Powley, T. L. (2003). Aging of the myenteric plexus: neuronal loss is specific to cholinergic neurons. *Autonomic Neuroscience*, 106(2), 69-83. doi.

Phillips, R. J., Martin, F. N., Billingsley, C. N., & Powley, T. L. (2013). Alpha-synuclein expression patterns in the colonic submucosal plexus of the aging Fischer 344 rat: implications for biopsies in aging and neurodegenerative disorders? *Neurogastroenterology and Motility*, n/a-n/a. doi: 10.1111/nmo.12176.
<http://dx.doi.org/10.1111/nmo.12176>

Phinney, A. L., Andringa, G., Bol, J. G. J. M., Wolters, E. C., Muiswinkel, F. L., Dam, A. M. W., & Drukarch, B. (2006). Enhanced sensitivity of dopaminergic neurons to rotenone-induced toxicity with aging. *Parkinsonism and Related Disorders*, 12(4), 228-238. doi.

Phua, Y. L., Chen, K. H., Hemker, S. L., Marrone, A. K., Bodnar, A. J., Liu, X., . . . Ho, J. (2019). Loss of miR-17~92 results in dysregulation of Cftr in nephron progenitors. *American Journal of Physiology-Renal Physiology*, 0(0), null. doi: 10.1152/ajprenal.00450.2018.
<https://www.physiology.org/doi/abs/10.1152/ajprenal.00450.2018>

Piao, C.-S., Stoica, B. A., Wu, J., Sabirzhanov, B., Zhao, Z., Cabatbat, R., . . . Faden, A. I. (2013). Late exercise reduces neuroinflammation and cognitive dysfunction after traumatic brain injury. *Neurobiology of Disease*, 0(0). doi: <http://dx.doi.org/10.1016/j.nbd.2012.12.017>.
<http://www.sciencedirect.com/science/article/pii/S0969996113000089>

Pichardo-Macías, L. A., Contreras-García, I. J., Zamudio, S. R., Mixcoha, E., & Mendoza-Torreblanca, J. G. (2016). Synaptic Vesicle Protein 2A as a Novel Pharmacological Target with Broad Potential for New Antiepileptic Drugs. In A. Talevi & L. Rocha (Eds.), *Antiepileptic Drug Discovery: Novel Approaches* (pp. 53-81). New York, NY: Springer New York.

Piche, M., Chabot, N., Bronchti, G., Miceli, D., Lepore, F., & Guillemot, J. P. (2007). Auditory responses in the visual cortex of neonatally enucleated rats. *Neuroscience*, 145(3), 1144-1156. doi.

Piche, M., Robert, S., Miceli, D., & Bronchti, G. (2004). Environmental enrichment enhances auditory takeover of the occipital cortex in anophthalmic mice. *European Journal of Neuroscience*, 20(12), 3463-3472. doi: doi:10.1111/j.1460-9568.2004.03823.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2004.03823.x>

Pickrell, Alicia M., Huang, C.-H., Kennedy, Scott R., Ordureau, A., Sideris, Dionisia P., Hoekstra, Jake G., . . . Youle, Richard J. (2015). Endogenous Parkin Preserves Dopaminergic Substantia Nigral Neurons following Mitochondrial DNA Mutagenic Stress. *Neuron*, 87(2), 371-381. doi: <http://dx.doi.org/10.1016/j.neuron.2015.06.034>. <http://www.sciencedirect.com/science/article/pii/S0896627315005978>

Pickrell, A. M., Pinto, M., Hida, A., & Moraes, C. T. (2011). Striatal Dysfunctions Associated with Mitochondrial DNA Damage in Dopaminergic Neurons in a Mouse Model of Parkinson's Disease. *Journal of Neuroscience*, 31(48), 17649-17658. doi: 10.1523/jneurosci.4871-11.2011. <http://www.jneurosci.org/content/31/48/17649.abstract>

Pienaar, I. S., & van de Berg, W. (2013). A non-cholinergic neuronal loss in the pedunculo pontine nucleus of toxin-evoked Parkinsonian rats. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.06.008>.
<http://www.sciencedirect.com/science/article/pii/S0014488613001817>

Pierotti, M. E. R., Wandycz, A., Wandycz, P., Rebelein, A., Corredor, V. H., Tashiro, J. H., . . . Loew, E. R. (2020). Aggressive mimicry in a coral reef fish: The prey's view. <https://doi.org/10.1002/ece3.6883>. *Ecology and Evolution*, n/a(n/a).
doi: <https://doi.org/10.1002/ece3.6883>. <https://doi.org/10.1002/ece3.6883>

Pierre, S.-R., Lemmens, M., & Figueiredo-Pereira, M. (2009). Subchronic infusion of the product of inflammation prostaglandin J2 models sporadic Parkinson's disease in mice. *Journal of Neuroinflammation*, 6(1), 18.
doi: <http://www.jneuroinflammation.com/content/6/1/18>

Pierri, J. N., Chaudry, A. S., Woo, T. U. W., & Lewis, D. A. (1999). Alterations in chandelier neuron axon terminals in the prefrontal cortex of schizophrenic subjects. *American Journal of Psychiatry*, 156(11), 1709-1719. doi.

Pierri, J. N., Volk, C. L. E., Auh, S., Sampson, A., & Lewis, D. A. (2001). Decreased Somal Size of Deep Layer 3 Pyramidal Neurons in the Prefrontal Cortex of Subjects With Schizophrenia. *Arch Gen Psychiatry*, 58(5), 466-473. doi: 10.1001/archpsyc.58.5.466.
<http://archpsyc.ama-assn.org/cgi/content/abstract/58/5/466>

Pierri, J. N., Volk, C. L. E., Auh, S., Sampson, A., & Lewis, D. A. (2003). Somal size of prefrontal cortical pyramidal neurons in schizophrenia: differential effects across neuronal subpopulations. *Biological Psychiatry*, 54(2), 111-120. doi.

Pierucci, F., Garcia-Gil, M., Frati, A., Bini, F., Martinesi, M., Vannini, E., . . . Meacci, E. (2017). Vitamin D3 protects against A β peptide cytotoxicity in differentiated human neuroblastoma SH-SY5Y cells: A role for S1P1/p38MAPK/ATF4 axis. *Neuropharmacology*.
doi: <http://dx.doi.org/10.1016/j.neuropharm.2017.01.003>.
<http://www.sciencedirect.com/science/article/pii/S0028390817300035>

Pietropaolo, S., Sun, Y., Li, R., Brana, C., Feldon, J., & Yee, B. K. (2008). The impact of voluntary exercise on mental health in rodents: a neuroplasticity perspective. *Behavioural Brain Research*, 192(1), 42-60. doi.

Pietropaolo, S., Sun, Y., Li, R., Brana, C., Feldon, J., & Yee, B. K. (2009). Limited impact of social isolation on Alzheimer-like symptoms in a triple transgenic mouse model. *Behavioral Neuroscience*, 123(1), 181-181. doi.

Pietrucha-Dutczak, M., Smedowski, A., Liu, X., Matuszek, I., Varjosalo, M., & Lewin-Kowalik, J. (2017). Candidate proteins from predegenerated nerve exert time-specific protection of retinal ganglion cells in glaucoma. *Scientific Reports*, 7(1), 14540. doi: 10.1038/s41598-017-14860-5. <https://doi.org/10.1038/s41598-017-14860-5>

Pietrzykowski, A. Z., Martin, G. E., Puig, S. I., Knott, T. K., Lemos, J. R., & Treistman, S. N. (2004). Alcohol Tolerance in Large-Conductance, Calcium-Activated Potassium Channels of CNS

Terminals Is Intrinsic and Includes Two Components: Decreased Ethanol Potentiation and Decreased Channel Density. *Journal of Neuroscience*, 24(38), 8322-8332. doi: <http://www.jneurosci.org/cgi/content/abstract/24/38/8322>

Piguet, O., Chareyron, L. J., Banta Lavenex, P., Amaral, D. G., & Lavenex, P. (2020). Postnatal Development of the Entorhinal Cortex: A Stereological Study in Macaque Monkeys. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.24897. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24897>

Pillay, S., Bhagwandin, A., Bertelsen, M. F., Patzke, N., Engler, G., Engel, A. K., & Manger, P. R. (2020). The hippocampal formation of two carnivore species: The feliform banded mongoose and the caniform domestic ferret. *Journal of Comparative Neurology*, n/a(n/a). doi: 10.1002/cne.25047. <https://doi.org/10.1002/cne.25047>

Pilozzi, A., Yu, Z., Carreras, I., Cormier, K., Hartley, D., Rogers, J., . . . Huang, X. (2020). A Preliminary Study of Cu Exposure Effects upon Alzheimer's Amyloid Pathology. *Biomolecules*, 10(3), 408. doi: <https://www.mdpi.com/2218-273X/10/3/408>

Piltonen, M., Beshpalov, M. M., Ervasti, D., Matilainen, T., Sidorova, Y. A., Rauvala, H., . . . Männistö, P. T. (2009). Heparin-binding determinants of GDNF reduce its tissue distribution but are beneficial for the protection of nigral dopaminergic neurons. *Experimental Neurology*, 219(2), 499-506. doi: 10.1016/j.expneurol.2009.06.025

Piltonen, M., Planken, A., Leskelä, O., Myöhänen, T. T., Hänninen, A. L., Auvinen, P., . . . Männistö, P. T. (2011). Vascular endothelial growth factor C (VEGF-C) acts as a neurotrophic factor for dopamine neurons in vitro and in vivo. *Neuroscience*. doi: 10.1016/j.neuroscience.2011.06.025

Piltti, K. M., Avakian, S. N., Funes, G. M., Hu, A., Uchida, N., Anderson, A. J., & Cummings, B. J. (2015). Transplantation dose alters the dynamics of human neural stem cell engraftment, proliferation and migration after spinal cord injury. *Stem Cell Research*. doi: <http://dx.doi.org/10.1016/j.scr.2015.07.001>. <http://www.sciencedirect.com/science/article/pii/S1873506115000926>

Pimentel-Coelho, P. M., Michaud, J.-P., & Rivest, S. (2012). Effects of mild chronic cerebral hypoperfusion and early amyloid pathology on spatial learning and the cellular innate immune response in mice. *Neurobiology of Aging*, (0). doi: 10.1016/j.neurobiolaging.2012.06.025. <http://www.sciencedirect.com/science/article/pii/S0197458012003740>

Pimentel-Coelho, P. M., Michaud, J.-P., & Rivest, S. (2013). Evidence for a Gender-Specific Protective Role of Innate Immune Receptors in a Model of Perinatal Brain Injury. *Journal of Neuroscience*, 33(28), 11556-11572. doi: 10.1523/jneurosci.0535-13.2013. <http://www.jneurosci.org/content/33/28/11556.abstract>

Pimentel-Coelho, P. M., Michaud, J.-P., & Rivest, S. (2015). C-C chemokine receptor type 2 (CCR2) signaling protects neonatal male mice with hypoxic-ischemic hippocampal damage from developing spatial learning deficits. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2015.02.053>. <http://www.sciencedirect.com/science/article/pii/S0166432815001436>

Pintana, H., Apaijai, N., Pratchayasakul, W., Chattipakorn, N., & Chattipakorn, S. C. (2012). Effects of metformin on learning and memory behaviors and brain mitochondrial functions in high fat diet induced insulin resistant rats. *Life Sciences*, 91. doi:

10.1016/j.lfs.2012.08.017. <http://dx.doi.org/10.1016/j.lfs.2012.08.017>

Pinto-Ribeiro, F., Moreira, V., Pego, J., Leao, P., Almeida, A., & Sousa, N. (2009). Antinociception induced by chronic glucocorticoid treatment is correlated to local modulation of spinal neurotransmitter content. *Molecular Pain*, 5(1), 41.

doi: <http://www.molecularpain.com/content/5/1/41>

Pinzon, A., Marcillo, A., Pabon, D., Bramlett, H. M., Bunge, M. B., & Dietrich, W. D. (2008). A re- assessment of erythropoietin as a neuroprotective agent following rat spinal cord compression or contusion injury. *Experimental Neurology*, 213(1), 129-136. doi:

Pinzon, A., Marcillo, A., Quintana, A., Stamler, S., Bunge, M. B., Bramlett, H. M., & Dietrich, W. D. (2008). A re-assessment of minocycline as a neuroprotective agent in a rat spinal cord contusion model. *Brain Research*, 1243, 146-151. doi:

Piontkewitz, Y., Arad, M., & Weiner, I. (2018). T194. BRAIN STRUCTURAL AND BEHAVIORAL ABNORMALITIES FOLLOWING PRENATAL EXPOSURE TO MATERNAL INFLAMMATION ARE PREVENTED BY EARLY BUT NOT LATE INTERVENTION.

Schizophrenia Bulletin, 44(suppl_1), S191-S192. doi:

10.1093/schbul/sby016.470. <http://dx.doi.org/10.1093/schbul/sby016.470>

Piras, A., Schiaffino, L., Boido, M., Valsecchi, V., Guglielmotto, M., De Amicis, E., . . . Vercelli, A. (2017). Inhibition of autophagy delays motoneuron degeneration and extends lifespan in a mouse model of spinal muscular atrophy. *Cell death & disease*, 8(12), 3223. doi: 10.1038/s41419-017-0086-4. [https://doi.org/10.1038/s41419-017-](https://doi.org/10.1038/s41419-017-0086-4)

[0086-4](https://doi.org/10.1038/s41419-017-0086-4)

Pirttilä, T. J., Manninen, A., Jutila, L., Nissinen, J., Kälviäinen, R., Vapalahti, M., . . . Pitkänen, A. (2005). Cystatin C expression is associated with granule cell dispersion in epilepsy. *Annals of Neurology*, 58(2), 211-223. doi:

Pirttilä, T. J., & Pitkanen, A. (2006). Cystatin C expression is increased in the hippocampus following photothrombotic stroke in rat. *Neuroscience Letters*, 395(2), 108-113. doi:

Pişkin, A., Altunkaynak, B. Z., Tümentemur, G., Kaplan, S., Yazıcı, Ö. B., & Hökelek, M. (2012). The beneficial effects of *Momordica charantia* (bitter melon) on wound healing of rabbit skin. *Journal of Dermatological Treatment*, 0(ja), 1-24. doi:

doi:10.3109/09546634.2012.713459. <http://informahealthcare.com/doi/abs/10.3109/09546634.2012.713459>

Pita, D., Moore, B. A., Tyrrell, L. P., & Fernández-Juricic, E. (2015). Vision in two cyprinid fish: implications for collective behavior. *PeerJ*, 3, e1113. doi:

10.7717/peerj.1113. <https://dx.doi.org/10.7717/peerj.1113>

Pitkänen, A., Narkilahti, S., Bezvenyuk, Z., Haapalinna, A., & Nissinen, J. (2004). Atipamezole, an α_2 -adrenoceptor antagonist, has disease modifying effects on epileptogenesis in rats. *Epilepsy Research*, 61(1), 119-140. doi:

Pitkanen, A., Nissinen, J., Jolkkonen, E., Tuunanen, J., & Halonen, T. (1999). Effects of vigabatrin treatment on status epilepticus-induced neuronal damage and mossy fiber sprouting in the rat hippocampus. *Epilepsy Research*, 33(1), 67-85. doi.

Pitkanen, A., Nissinen, J., Nairismägi, J., Lukasiuk, K., Grohn, O. H. J., Miettinen, R., & Kauppinen, R. (2002). Progression of neuronal damage after status epilepticus and during spontaneous seizures in a rat model of temporal lobe epilepsy. *Progress in Brain Research*, 135, 67-83. doi.

Pitts, M. W., Raman, A. V., Hashimoto, A. C., Todorovic, C., Nichols, R. A., & Berry, M. J. (2012). Deletion of selenoprotein P results in impaired function of parvalbumin interneurons and alterations in fear learning and sensorimotor gating. *Neuroscience*. doi.

Pitts, M. W., Reeves, M. A., Hashimoto, A. C., Ogawa, A., Kremer, P., Seale, L. A., & Berry, M. J. (2013). Deletion of Selenoprotein M Leads to Obesity Without Cognitive Deficits. *Journal of Biological Chemistry*. doi:
10.1074/jbc.M113.471235.
<http://www.jbc.org/content/early/2013/07/23/jbc.M113.471235.a.bstract>

Pizzimenti, M. A., Darling, W. G., Rotella, D. L., McNeal, D. W., Herrick, J. L., Ge, J., . . . Morecraft, R. J. (2007). Measurement of Reaching Kinematics and Prehensile Dexterity in Nonhuman Primates *Journal of Neurophysiology*, 98, 1015-1029. doi.

Placencia, E. V. D., Serra, F. T., Henrique, J. S., Arida, R. M., & Gomes da Silva, S. (2019). Hippocampal distribution of parvalbumin neurons in female and male rats submitted to the same volume and intensity of aerobic exercise. *Neuroscience Letters*, 690, 162-166. doi: <https://doi.org/10.1016/j.neulet.2018.10.028>.
<http://www.sciencedirect.com/science/article/pii/S0304394018307043>

Plane, J. M., Liu, R., Wang, T. W., Silverstein, F. S., & Parent, J. M. (2004). Neonatal hypoxic- ischemic injury increases forebrain subventricular zone neurogenesis in the mouse. *Neurobiology of Disease*, 16(3), 585-595. doi.

Plane, J. M., Whitney, J. T., Schallert, T., & Parent, J. M. (2008). Retinoic acid and environmental enrichment alter subventricular zone and striatal neurogenesis after stroke. *Experimental Neurology*, 214(1), 125-134. doi.

Planque, S. A., Nishiyama, Y., Sonoda, S., Lin, Y., Taguchi, H., Hara, M., . . . Paul, S. (2015). Specific Amyloid β Clearance by a Catalytic Antibody Construct. *Journal of Biological Chemistry*. doi:
10.1074/jbc.M115.641738.
<http://www.jbc.org/content/early/2015/02/27/jbc.M115.641738.a.bstract>

Pleil, K. E., Glenn, M. J., & Williams, C. L. (2011). Estradiol Alters Fos-Immunoreactivity in the Hippocampus and Dorsal Striatum during Place and Response Learning in Middle-Aged But Not Young Adult Female Rats. *Endocrinology*, 152(3), 946-956. doi.

Plum, L., Ma, X., Hampel, B., Balthasar, N., Coppari, R., Munzberg, H., . . . Bruning, J. C. (2006). Enhanced PIP3 signaling in POMC neurons causes KATP channel activation and leads to

diet-sensitive obesity. *Journal of Clinical Investigation*, 116(7), 1886-1901. doi: 10.1172/jci27123.

<http://www.jci.org/cgi/content/abstract/116/7/1886>

Po, K., Siu, A.-H., Lau, B.-M., Chan, J.-M., So, K.-F., & Chan, C. H. (2015). Repeated, high-dose dextromethorphan treatment decreases neurogenesis and results in depression-like behavior in rats. *Experimental Brain Research*, 1-10. doi: 10.1007/s00221-015-4290-0. <http://dx.doi.org/10.1007/s00221-015-4290-0>

Po, K. K.-t., Leung, J. W.-h., Chan, J. N.-m., Fung, T. K.-h., Sánchez-Vidaña, D. I., Sin, E. L.-L., ... Siu, A. M.-h. (2017). Protective effect of *Lycium Barbarum* polysaccharides on dextromethorphan-induced mood impairment and neurogenesis suppression. *Brain Research Bulletin*, 134, 10-17.

doi: <https://doi.org/10.1016/j.brainresbull.2017.06.014>.

<http://www.sciencedirect.com/science/article/pii/S0361923017301442>

Podell, B. K., Ackart, D. F., Kirk, N. M., Eck, S. P., Bell, C., & Basaraba, R. J. (2012). Non-Diabetic Hyperglycemia Exacerbates Disease Severity in *Mycobacterium tuberculosis* Infected Guinea Pigs. *Plos one*, 7(10), e46824. doi:

10.1371/journal.pone.0046824. <http://dx.doi.org/10.1371/journal.pone.0046824>

Podell, B. K., Ackart, D. F., Obregon-Henao, A., Eck, S. P., Henao-Tamayo, M., Richardson, M., ... Basaraba, R. J. (2014). Increased Severity of Tuberculosis in Guinea Pigs with Type 2 Diabetes: A Model of Diabetes-Tuberculosis Comorbidity. *The American journal of pathology*, (0).

doi: <http://dx.doi.org/10.1016/j.ajpath.2013.12.015>.

<http://www.sciencedirect.com/science/article/pii/S0002944014000200>

Poe, B. H., Linville, C., & Brunso-Bechtold, J. (2001). Age-related decline of presumptive inhibitory synapses in the sensorimotor cortex as revealed by the physical disector. *Journal of Comparative Neurology*, 439(1), 65-72. doi.

Poe, B. H., Linville, C., Riddle, D. R., Sonntag, W. E., & Brunso-Bechtold, J. K. (2001). Effects of age and insulin-like growth factor-1 on neuron and synapse numbers in area CA3 of hippocampus. *Neuroscience*, 107(2), 231-238. doi.

Poe, B. H., Linville, M. C., Sonntag, W. E., & Brunso-Bechtold, J. K. (2002). Insulin-like growth factor-1 does not ameliorate the age-related decline in presumptive inhibitory synapses in layer 2 of rat sensorimotor cortex. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 26(1), 97-102. doi.

Poirier, A.-A., Côté, M., Bourque, M., Morissette, M., Di Paolo, T., & Soulet, D. (2016). Neuroprotective and immunomodulatory effects of raloxifene in the myenteric Plexus of a mouse model of Parkinson's disease. *Neurobiology of Aging*.

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2016.08.004>. <http://www.sciencedirect.com/science/article/pii/S0197458016301725>

Polgar, E., Watanabe, M., Hartmann, B., Grant, S., & Todd, A. (2008). Expression of AMPA receptor subunits at synapses in laminae I-III of the rodent spinal dorsal horn. *Molecular Pain*, 4(1), 5. doi. <http://www.molecularpain.com/content/4/1/5>

Polinski, N. K., Gombash, S. E., Manfredsson, F. P., Lipton, J. W., Kemp, C. J., Cole-Strauss, A., . . . Sortwell, C. E. (2014). Recombinant adeno-associated virus 2/5-mediated gene transfer is reduced in the aged rat midbrain. *Neurobiology of Aging*. doi: 10.1016/j.neurobiolaging.2014.07.047. [http://www.neurobiologyofaging.org/article/S0197-4580\(14\)00636-8/abstract](http://www.neurobiologyofaging.org/article/S0197-4580(14)00636-8/abstract)

Polinski, N. K., Manfredsson, F. P., Benskey, M. J., Fischer, D. L., Kemp, C. J., Steece-Collier, K., . . . Sortwell, C. E. (2016). Impact of age and vector construct on striatal and nigral transgene expression. *Molecular Therapy. Methods & Clinical Development*, 3, 16082. doi: 10.1038/mtm.2016.82. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5142515/>

Polito, V. A., Li, H., Martini-Stoica, H., Wang, B., Yang, L., Xu, Y., . . . Lee, V. M. Y. (2014). Selective clearance of aberrant tau proteins and rescue of neurotoxicity by transcription factor EB. *EMBO Molecular Medicine*, e201303671. doi: <http://embomolmed.embopress.org/content/early/2014/07/28/emmm.201303671...>

Polter, A. M., Yang, S., Jope, R. S., & Li, X. (2011). Functional significance of glycogen synthase kinase-3 regulation by serotonin. *Cellular Signalling*. doi.

Pontecorvo, M. J., Keene, C. D., Beach, T. G., Montine, T. J., Arora, A. K., Devous, M. D., . . . Siderowf, A. (2020). Comparison of regional flortaucipir PET with quantitative tau immunohistochemistry in three subjects with Alzheimer's disease pathology: a clinicopathological study. *EJNMMI Research*, 10(1), 65. doi: 10.1186/s13550-020-00653-x. <https://doi.org/10.1186/s13550-020-00653-x>

Pontikis, C. C., Cella, C. V., Parihar, N., Lim, M. J., Chakrabarti, S., Mitchison, H. M., . . . Cooper, J. D. (2004). Late onset neurodegeneration in the Cln3-/-mouse model of juvenile neuronal ceroid lipofuscinosis is preceded by low level glial activation. *Brain Research*, 1023(2), 231-242. doi.

Pontikis, C. C., Cotman, S. L., MacDonald, M. E., & Cooper, J. D. (2005). Thalamocortical neuron loss and localized astrogliosis in the cln3 [delta] ex7/8 knock-in mouse model of batten disease. *Neurobiology of Disease*, 20(3), 823-836. doi.

Pooley, A. E., Benjamin, R. C., Sreedhar, S., Eagle, A. L., Robison, A. J., Mazei-Robison, M. S., . . . Jordan, C. L. (2018). Sex differences in the traumatic stress response: PTSD symptoms in women recapitulated in female rats. [journal article]. *Biology of Sex Differences*, 9(1), 31. doi: 10.1186/s13293-018-0191-9. <https://doi.org/10.1186/s13293-018-0191-9>

Pooley, A. E., Benjamin, R. C., Sreedhar, S., Eagle, A. L., Robison, A. J., Mazei-Robison, M. S., . . . Jordan, C. L. (2018). Sex differences in the traumatic stress response: the role of adult gonadal hormones. [journal article]. *Biology of Sex Differences*, 9(1), 32. doi: 10.1186/s13293-018-0192-8. <https://doi.org/10.1186/s13293-018-0192-8>

Poon, C. T., Shah, K., Lin, C., Tse, R., Kim, K. K., Mooney, S., . . . Hynynen, K. (2018). Time course of focused ultrasound effects on β -amyloid plaque pathology in the TgCRND8 mouse model of Alzheimer's disease. *Scientific Reports*, 8(1), 14061. doi: 10.1038/s41598-018-32250-3. <https://doi.org/10.1038/s41598-018-32250-3>

Popa-Wagner, A., Stocker, K., Balseanu, A. T., Rogalewski, A., Diederich, K., Minnerup, J., . . . Schabitz, W.-R. (2010). Effects of Granulocyte-Colony Stimulating Factor After Stroke in Aged Rats. *Stroke*, 41(5), 1027-1031. doi: 10.1161/strokeaha.109.575621.

<http://stroke.ahajournals.org/cgi/content/abstract/41/5/1027>

Porritt, M., Stanic, D., Finkelstein, D., Batchelor, P., Lockhart, S., Hughes, A., . . . Howells, D. (2005). Dopaminergic innervation of the human striatum in Parkinson's disease. *Movement Disorders*, 20(7), 810-818. doi:

Porritt, M. J., Andersson, H. C., Hou, L., Nilsson, Å., Pekna, M., Pekny, M., & Nilsson, M. (2012). Photothrombosis-Induced Infarction of the Mouse Cerebral Cortex Is Not Affected by the Nrf2-Activator Sulforaphane. *Plos one*, 7(7), e41090. doi: 10.1371/journal.pone.0041090. <http://dx.doi.org/10.1371%2Fjournal.pone.0041090>

Porritt, M. J., Batchelor, P. E., & Howells, D. W. (2005). Inhibiting BDNF expression by antisense oligonucleotide infusion causes loss of nigral dopaminergic neurons.

Experimental Neurology, 192(1), 226-234. doi:

Porru, S., López-Cruz, L., Carratalá-Ros, C., Salamone, J. D., Acquas, E., & Correa, M. (2021). Impact of Caffeine on Ethanol Induced Stimulation and Sensitization: Changes in ERK and DARPP-32 Phosphorylation in Nucleus Accumbens. *Alcoholism: Clinical and Experimental Research*, n/a(n/a).

doi: <https://doi.org/10.1111/acer.14553>.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/acer.14553>

Posfai, B., Cserep, C., Hegedus, P., Szabadits, E., Otte, D. M., Zimmer, A., . . . Nyiri, G. (2016). Synaptic and cellular changes induced by the schizophrenia susceptibility gene G72 are rescued by N-acetylcysteine treatment. [Original Article]. *Transl Psychiatry*, 6, e807. doi: 10.1038/tp.2016.74. <http://dx.doi.org/10.1038/tp.2016.74>

Posillico, C. K., & Schwarz, J. M. (2016). An investigation into the effects of antenatal stressors on the postpartum neuroimmune profile and depressive-like behaviors. *Behavioural Brain Research*, 298, Part B, 218-228.

doi: <http://dx.doi.org/10.1016/j.bbr.2015.11.011>.

<http://www.sciencedirect.com/science/article/pii/S0166432815302849>

Postupna, N., Keene, C. D., Crane, P. K., Gonzalez-Cuyar, L. F., Sonnen, J. A., Hewitt, J., . . . Larson, E. B. (2015). Cerebral Cortical AA42 and PHF-T in 325 Consecutive Brain Autopsies Stratified by Diagnosis, Location, and APOE. *Journal of Neuropathology and Experimental Neurology*, 74(2). doi:

Postupna, N., Rose, S. E., Bird, T. D., Gonzalez-Cuyar, L. F., Sonnen, J. A., Larson, E. B., . . . Montine, T. J. (2011). Novel Antibody Capture Assay for Paraffin-Embedded Tissue Detects Wide-Ranging Amyloid Beta and Paired Helical Filament-Tau Accumulation in Cognitively Normal Older Adults. *Brain Pathology*, no-no. doi: 10.1111/j.1750-3639.2011.00542.x. <http://dx.doi.org/10.1111/j.1750-3639.2011.00542.x>

Potashkin, J. A., Kang, U. J., Loomis, P. A., Jodelka, F. M., Ding, Y., & Meredith, G. E. (2007). MPTP administration in mice changes the ratio of splice isoforms of fosB and rgs9. *Brain Research*, 1182, 1-10. doi.

Pothuizen, H. H. J., Feldon, J., & Jongen-Relo, A. L. (2004). Co-Expression of Calretinin and γ -Aminobutyric Acid in Neurons of the Entorhinal Cortex of the Common Marmoset Monkey. *Hippocampus*, 14(5), 615-627. doi.

Pothuizen, H. H. J., Feldon, J., & Jongen-Rêlo, A. L. (2004). Co-expression of calretinin and γ -aminobutyric acid in neurons of the entorhinal cortex of the common marmoset monkey. *Hippocampus*, 14(5), 615-627. doi.

Pothuizen, H. H. J., Zhang, W.-N., Jongen-Relo, A. L., Feldon, J., & Yee, B. K. (2004). Dissociation of function between the dorsal and the ventral hippocampus in spatial learning abilities of the rat: a within-subject, within-task comparison of reference and working spatial memory. *European Journal of Neuroscience*, 19(3), 705-712. doi: [10.1111/j.0953-816X.2004.03170.x](https://doi.org/10.1111/j.0953-816X.2004.03170.x). <http://www.blackwell-synergy.com/doi/abs/10.1111/j.0953-816X.2004.03170.x>

Potter, M., Baxter, V., Mathey, R., Alt, J., Rojas, C., Griffin, D., & Slusher, B. (2015). Neurological sequelae induced by alphavirus infection of the CNS are attenuated by treatment with the glutamine antagonist 6-diazo-5-oxo-L-norleucine. *Journal of Neurovirology*, 1-15. doi: [10.1007/s13365-015-0314-6](https://doi.org/10.1007/s13365-015-0314-6). <http://dx.doi.org/10.1007/s13365-015-0314-6>

Potter, M., Rosenkrantz, T., & Fitch, R. H. (2018). Behavioral and neuroanatomical outcomes in a rat model of preterm hypoxic-ischemic brain injury: Effects of caffeine and hypothermia. *International Journal of Developmental Neuroscience*. doi: <https://doi.org/10.1016/j.ijdevneu.2018.02.001>. <http://www.sciencedirect.com/science/article/pii/S0736574817302861>

Potter, M. C., Yuan, C., Ottenritter, C., Mughal, M., & van Praag, H. (2010). Exercise is not beneficial and may accelerate symptom onset in a mouse model of Huntington's disease. *PLoS currents*, 2. doi.

Potter, R. M., Huynh, R. T., Volper, B. D., Arthur, K. A., D'Lugos, A. C., Sørensen, M. A., . . . Carroll, C. C. (2016). The impact of TGF- β inhibition during acute exercise on Achilles tendon extracellular matrix. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*. *ajpregu*. 00439.02016. doi: <http://ajpregu.physiology.org/content/early/2016/12/02/ajpregu.00439.2016>

Poudel, A., Fowler, J. L., Zielinski, M. C., Kilimnik, G., & Hara, M. (2016). Stereological analyses of the whole human pancreas. [Article]. *Scientific Reports*, 6, 34049. doi: [10.1038/srep34049](https://doi.org/10.1038/srep34049)

<http://www.nature.com/articles/srep34049#supplementary-information>. <http://dx.doi.org/10.1038/srep34049>

Poudel, A., Savari, O., Striegel, D., Periwal, V., Taxy, J., Millis, J. M., . . . Hara, M. (2015). Beta-cell destruction and preservation in childhood and adult onset type 1 diabetes. *Endocrine*, 1-10. doi: [10.1007/s12020-015-0534-9](https://doi.org/10.1007/s12020-015-0534-9). <http://dx.doi.org/10.1007/s12020-015-0534-9>

Pouladi, M. A., Brillaud, E., Xie, Y., Conforti, P., Graham, R. K., Ehrnhoefer, D. E., . . . Hayden, M. R. (2012). NP03, a novel low-dose lithium formulation, is neuroprotective in the YAC128 mouse model of Huntington disease. *Neurobiology of Disease*, (0). doi: 10.1016/j.nbd.2012.06.026.

<http://www.sciencedirect.com/science/article/pii/S0969996112002410>

Pouladi, M. A., Stanek, L. M., Xie, Y., Franciosi, S., Southwell, A. L., Deng, Y., . . . Hayden, M. R. (2012). Marked differences in neurochemistry and aggregates despite similar behavioural and neuropathological features of Huntington disease in the full-length BACHD and YAC128 mice. *Human Molecular Genetics*, dds037. doi:

10.1093/hmg/ddo037. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddo037v2>

Poulin, A. M., Lenglos, C., Mitra, A., & Timofeeva, E. (2011). Hypothalamic expression of urocortin 3 and the type 2 corticotropin-releasing factor receptor is regulated according to feeding state in lean but not obese Zucker rats. *Neuropharmacology*. doi:

Pouliot, J. J., Yao, K. C., Robertson, C. A., & Nash, H. A. (1999). Yeast Gene for a Tyr-DNA Phosphodiesterase that Repairs Topoisomerase I Complexes *Science*, 286(5439), 552-555. doi:

Powers, B., Velazquez, R., Kelley, C., Ash, J., Strawderman, M., Alldred, M., . . . Strupp, B. (2015). Attentional function and basal forebrain cholinergic neuron morphology during aging in the Ts65Dn mouse model of Down syndrome. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-015-1164-y. <http://dx.doi.org/10.1007/s00429-015-1164-y>

Powers, B. E., Kelley, C. M., Velazquez, R., Ash, J. A., Strawderman, M. S., Alldred, M. J., . . . Strupp, B. J. (2017). Maternal choline supplementation in a mouse model of Down syndrome: Effects on attention and nucleus basalis/substantia innominata neuron morphology in adult offspring. *Neuroscience*, 340, 501-514.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.11.001>.

<http://www.sciencedirect.com/science/article/pii/S0306452216306145>

Powrozek, T. A., & Zhou, F. C. (2005). Effects of prenatal alcohol exposure on the development of the vibrissal somatosensory cortical barrel network. *Developmental Brain Research*, 155(2), 135-146. doi:

Pozner, T., Vistoropsky, Y., Moaraf, S., Heiblum, R., & Barnea, A. (2018). Questioning Seasonality of Neuronal Plasticity in the Adult Avian Brain. *Scientific Reports*, 8(1), 11289. doi: 10.1038/s41598-018-29532-1. <https://doi.org/10.1038/s41598-018-29532-1>

Pozniak, C. D., Barnabe-Heider, F., Rymar, V. V., Lee, A. F., Sadikot, A. F., & Miller, F. D. (2002). p73 Is Required for Survival and Maintenance of CNS Neurons. *Journal of Neuroscience*, 22(22), 9800-9809. doi:

<http://www.jneurosci.org/cgi/content/abstract/22/22/9800>

Praag, H. v., Kempermann, G., & Gage, F. H. (1999). Running increases cell proliferation and neurogenesis in the adult mouse dentate gyrus. *Nature Neuroscience*, 2(3), 266-270. doi:

Prager, E. M., Aroniadou-Anderjaska, V., Almeida-Suhett, C. P., Figueiredo, T. H., Aplan, J. P., & Braga, M. F. M. (2013). Acetylcholinesterase inhibition in the basolateral amygdala plays a

key role in the induction of status epilepticus after soman exposure. *Neurotoxicology*, (0). doi: <http://dx.doi.org/10.1016/j.neuro.2013.06.006>.
<http://www.sciencedirect.com/science/article/pii/S0161813X13001113>

Prager, E. M., Aroniadou-Anderjaska, V., Almeida-Suhett, C. P., Figueiredo, T. H., Aplan, J. P., Rossetti, F., . . . Braga, M. F. M. (2014). The recovery of acetylcholinesterase activity and the progression of neuropathological and pathophysiological alterations in the rat basolateral amygdala after soman-induced status epilepticus: Relation to anxiety-like behavior. *Neuropharmacology*, (0).
doi: <http://dx.doi.org/10.1016/j.neuropharm.2014.01.035>.
<http://www.sciencedirect.com/science/article/pii/S0028390814000422>

Prakash, N., Puelles, E., Freude, K., Trumbach, D., Omodei, D., Di Salvio, M., . . . Wurst, W. (2009). Nkx6-1 controls the identity and fate of red nucleus and oculomotor neurons in the mouse midbrain. *Development*, 136(15), 2545-2555. doi: 10.1242/dev.031781. <http://dev.biologists.org/cgi/content/abstract/136/15/2545>

Pranski, E. L., Dalal, N. V., Sanford, C. V., Herskowitz, J. H., Gearing, M., Lazo, C., . . . Betarbet, R. S. (2013). RING finger protein 11 (RNF11) modulates susceptibility to 6-OHDA-induced nigral degeneration and behavioral deficits through NF- κ B signaling in dopaminergic cells. *Neurobiology of Disease*, (0).
doi: <http://dx.doi.org/10.1016/j.nbd.2012.12.018>.
<http://www.sciencedirect.com/science/article/pii/S0969996113000090>

Prasad, J., Baitharu, I., Sharma, A. K., Dutta, R., Prasad, D., & Singh, S. B. (2013). Quercetin Reverses Hypobaric Hypoxia-Induced Hippocampal Neurodegeneration and Improves Memory Function in the Rat. *High Altitude Medicine & Biology*, 14(4), 383-394.
doi: <http://online.liebertpub.com/doi/abs/10.1089/ham.2013.1014>

Prasad, K., Beach, T. G., Hedreen, J., & Richfield, E. K. (2012). Critical Role for Truncated α -Synuclein and Aggregates in Parkinson's Disease and Incidental Lewy Body Disease. *Brain Pathology*, no-no. doi: 10.1111/j.1750-3639.2012.00597.x.
<http://dx.doi.org/10.1111/j.1750-3639.2012.00597.x>

Prasad, K., & Richfield, E. K. (2008). Sporadic midbrain dopamine neuron abnormalities in laboratory mice. *Neurobiology of Disease*, 32(2), 262-272. doi.

Prasad, K., & Richfield, E. K. (2010). Number and nuclear morphology of TH⁺ and TH⁻ neurons in the mouse ventral midbrain using epifluorescence stereology. *Experimental Neurology*, 225(2), 328-340. doi.

Prasad, K., Tarasewicz, E., Ohman Strickland, P. A., O'Neill, M., Mitchell, S. N., Merchant, K., . . . Richfield, E. K. (2011). Biochemical and morphological consequences of human α -synuclein expression in a mouse α -synuclein null background. *European Journal of Neuroscience*, 33(4), 642-656. doi: 10.1111/j.1460-9568.2010.07558.x.
<http://dx.doi.org/10.1111/j.1460-9568.2010.07558.x>

Pravosudov, V. V., & Clayton, N. S. (2002). A test of the adaptive specialization hypothesis: Population differences in caching, memory, and the hippocampus in black-capped chickadees (*Poecile atricapilla*). *Behavioral Neuroscience*, 116(4), 515-515. doi.

Pravosudov, V. V., & de Kort, S. R. (2005). Is the Western Scrub-Jay (*Aphelocoma californica*) Really an Underdog among Food-Caching Corvids when It Comes to Hippocampal Volume and Food Caching Propensity? *Brain, Behavior and Evolution*, 67(1), 1-9. doi.

Pravosudov, V. V., Kitaysky, A. S., & Omanska, A. (2006). The relationship between migratory behaviour, memory and the hippocampus: an intraspecific comparison. *Proceedings of the Royal Society B: Biological Sciences*, 273(1601), 2641-2641. doi.

Pravosudov, V. V., Lavenex, P., & Clayton, N. S. (2002). Changes in spatial memory mediated by experimental variation in food supply do not affect hippocampal anatomy in mountain chickadees (*Poecile gambeli*). *Journal of Neurobiology*, 51(2), 142-148. doi.

Pravosudov, V. V., Lavenex, P., & Omanska, A. (2005). Nutritional deficits during early development affect hippocampal structure and spatial memory later in life. *Behavioral Neuroscience*, 119(5), 1368-1368. doi.

Pravosudov, V. V., & Omanska, A. (2005). Dominance-related changes in spatial memory are associated with changes in hippocampal cell proliferation rates in mountain chickadees. *Journal of Neurobiology*, 62(1), 31-41. doi.

Pravosudov, V. V., & Omanska, A. (2005). Prolonged moderate elevation of corticosterone does not affect hippocampal anatomy or cell proliferation rates in mountain chickadees (*Poecile gambeli*). *Journal of Neurobiology*, 62(1), 82-91. doi.

Pravosudov, V. V., Sanford, K., & Hahn, T. P. (2007). On the evolution of brain size in relation to migratory behaviour in birds. *Animal Behaviour*, 73(3), 535-539. doi.

Pressey, S. N. R., O'Donnell, K. J., Stauber, T., Fuhrmann, J. C., Tyynelä, J., Jentsch, T. J., & Cooper, J. D. (2010). Distinct neuropathologic phenotypes after disrupting the chloride transport proteins CLC-6 or CLC-7/Ostm1. *Journal of Neuropathology and Experimental Neurology*, 69(12), 1228. doi.

Pressey, S. N. R., Smith, D. A., Wong, A., Platt, F. M., & Cooper, J. D. (2011). Early glial activation, synaptic changes and axonal pathology in the thalamocortical system of Niemann-Pick type C1 mice. *Neurobiology of Disease*. doi.

Preziosa, P., Kiljan, S., Steenwijk, M. D., Meani, A., van de Berg, W. D. J., Schenk, G. J., . . . Jonkman, L. E. (2019). Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. *Brain*. doi: 10.1093/brain/awz143. <https://doi.org/10.1093/brain/awz143>

Price, D. A., Martinez, A. A., Seillier, A., Koek, W., Acosta, Y., Fernandez, E., . . . others. (2009). WIN55, 212-2, a cannabinoid receptor agonist, protects against nigrostriatal cell loss in the

MPTP mouse model of Parkinson's disease. *European Journal of Neuroscience*, 29(11), 2177- 2177. doi.

Proctor, J. L., Scutella, D., Pan, Y., Vaughan, J., Rosenthal, R. E., Puche, A., & Fiskum, G. (2015). Hyperoxic resuscitation improves survival but worsens neurologic outcome in a rat polytrauma model of traumatic brain injury plus hemorrhagic shock. *Journal of Trauma and Acute Care Surgery*, 79(4), S101-S109. doi: 10.1097/ta.0000000000000742. http://journals.lww.com/jtrauma/Fulltext/2015/10001/Hyperoxic_resuscitation_.

Prokop, S., Miller, K. R., Drost, N., Handrick, S., Mathur, V., Luo, J., . . . Heppner, F. L. (2015). Impact of peripheral myeloid cells on amyloid- β pathology in Alzheimer's disease-like mice. *The Journal of Experimental Medicine*, 212(11), 1811-1818. doi: 10.1084/jem.20150479. <http://jem.rupress.org/content/212/11/1811.abstract>

Prorok, T., Jana, M., Patel, D., & Pahan, K. (2019). Cinnamic Acid Protects the Nigrostriatum in a Mouse Model of Parkinson's Disease via Peroxisome Proliferator-Activated Receptor α . [journal article]. *Neurochemical Research*. doi: 10.1007/s11064-018-02705-0. <https://doi.org/10.1007/s11064-018-02705-0>

Provitera, V., Nolano, M., Caporaso, G., Stancanelli, A., Manganelli, F., Iodice, R., . . . Pellicchia, M. T. (2014). Postganglionic sudomotor denervation in patients with multiple system atrophy. *Neurology*, 10.1212/WNL.0000000000000518. doi: <http://www.neurology.org/content/early/2014/05/16/WNL.0000000000000518.s...>

Provitera, V., Nolano, M., Stancanelli, A., Caporaso, G., Vitale, D. F., & Santoro, L. (2014). Intraepidermal nerve fiber analysis using immunofluorescence with and without confocal microscopy. *Muscle and Nerve*, n/a-n/a. doi: 10.1002/mus.24338. <http://dx.doi.org/10.1002/mus.24338>

Provitera, V., Piscosquito, G., Manganelli, F., Mozzillo, S., Caporaso, G., Stancanelli, A., . . . Nolano, M. (2019). A model to study myelinated fiber degeneration and regeneration in human skin. *Annals of Neurology*, n/a(n/a). doi: 10.1002/ana.25662. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25662>

Prudente, C. N., Pardo, C. A., Xiao, J., Hanfelt, J., Hess, E. J., LeDoux, M. S., & Jinnah, H. A. (2012). Neuropathology of Cervical Dystonia. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2012.11.019>. <http://www.sciencedirect.com/science/article/pii/S0014488612004360>

Pruszk, J., Ludwig, W., Blak, A., Alavian, K., & Isacson, O. (2009). CD15, CD24, and CD29 define a surface biomarker code for neural lineage differentiation of stem cells. *Stem Cells*, 27(12), 2928-2940. doi.

Psol, M., Darvas, S. G., Leite, K., Mahajani, S. U., Bähr, M., & Kügler, S. (2021). Dementia with Lewy bodies—associated β -synuclein mutations V70M and P123H cause mutation-specific neuropathological lesions. *Human Molecular Genetics*, (ddab036). doi: 10.1093/hmg/ddab036. <https://doi.org/10.1093/hmg/ddab036>

Pu, H., Guo, Y., Zhang, W., Huang, L., Wang, G., Liou, A. K., . . . Wang, Y. (2013). Omega-3 polyunsaturated fatty acid supplementation improves neurologic recovery and attenuates white matter injury after experimental traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*.

doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2013108a.html>

Pucker, A. D., Carpenter, A. R., McHugh, K. M., & Mutti, D. O. (2014). Guinea Pig Ciliary Muscle Development. *Optometry and Vision Science*, Publish Ahead of Print, 10.1097/OPX.0000000000000304.

doi: http://journals.lww.com/optvissci/Fulltext/publishahead/Guinea_Pig_Cilia...

Pucker, A. D., Jackson, A. R., McHugh, K. M., & Mutti, D. O. (2020). Morphological ciliary muscle changes associated with form deprivation-induced myopia. *Experimental Eye Research*, 193, 107963.

doi: <https://doi.org/10.1016/j.exer.2020.107963>.

<http://www.sciencedirect.com/science/article/pii/S0014483519306207>

Pucker, A. D., Jackson, A. R., Morris, H. J., Fischer, A. J., McHugh, K. M., & Mutti, D. O. (2015). Ciliary Muscle Cell Changes During Guinea Pig Development. *Ciliary Muscle Changes in Guinea Pig Development. Investigative Ophthalmology and Visual Science*, 56(13), 7691- 7696. doi: 10.1167/iovs.15-17927. <http://dx.doi.org/10.1167/iovs.15-17927>

Pugh, P., Adlaf, E., Zhao, C. S., Markwardt, S., Gavin, C., Wadiche, J., & Overstreet-Wadiche, L. (2011). Enhanced integration of newborn neurons after neonatal insults. *Frontiers in Neuroscience*, 5. doi.

Puntel, M., Barrett, R., Sanderson, N. S. R., Kroeger, K. M., Bondale, N., Wibowo, M., . . . Lowenstein, P. R. (2011). Identification and Visualization of CD8+ T Cell Mediated IFN- γ Signaling in Target Cells during an Antiviral Immune Response in the Brain. *PLoS ONE*, 6(8), e23523-e23523. doi.

Puntel, M., Barrett, R. J., Mondkar, S., Saxena, V., Kroeger, K. M., Muhammad, A. K. M., . . . others. (2009). Herpes simplex virus type 1 thymidine kinase sequence fused to the lacZ gene increases levels of β -galactosidase activity per genome of high-capacity but not first- generation adenoviral vectors in vitro and in vivo. *Journal of Virology*, 83(4), 2004-2010. doi.

Purevdorj, E., Zscheppang, K., Hoymann, H. G., Braun, A., von Mayersbach, D., Brinkhaus, M.- J., . . . Dammann, C. E. L. (2008). ErbB4 deletion leads to changes in lung function and structure similar to bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 294(3), 00423.02007. doi: 10.1152/ajplung.00423.2007.

http://ajplung.physiology.org/cgi/content/abstract/00423.20_07v1

Purisai, M. G., McCormack, A. L., Cumine, S., Li, J., Isla, M. Z., & Di Monte, D. A. (2007). Microglial activation as a priming event leading to paraquat-induced dopaminergic cell degeneration. *Neurobiology of Disease*, 25(2), 392-400. doi.

Purohit, D. C., Mandyam, A. D., Terranova, M. J., & Mandyam, C. D. (2019). Voluntary wheel running during adolescence distinctly alters running output in adulthood in male and female

rats. Behavioural Brain Research, 112235.

doi: <https://doi.org/10.1016/j.bbr.2019.112235>.

<http://www.sciencedirect.com/science/article/pii/S0166432819305807>

Purushothuman, S., Johnstone, D. M., Nandasena, C., Eersel, J. v., Ittner, L. M., Mitrofanis, J., & Stone, J. (2015). Near infrared light mitigates cerebellar pathology in transgenic mouse models of dementia. *Neuroscience Letters*, 591(0), 155-159.

doi: <http://dx.doi.org/10.1016/j.neulet.2015.02.037>. <http://www.sciencedirect.com/science/article/pii/S0304394015001512>

Purushothuman, S., Nandasena, C., Johnstone, D. M., Stone, J., & Mitrofanis, J. (2013). The impact of near-infrared light on dopaminergic cell survival in a transgenic mouse model of parkinsonism. *Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.brainres.2013.08.047>.

<http://www.sciencedirect.com/science/article/pii/S0006899313011840>

Purushothuman, S., Nandasena, C., Peoples, C. L., El Massri, N., Johnstone, D., Mitrofanis, J., & Stone, J. (2013). Saffron Pre-Treatment Offers Neuroprotection to Nigral and Retinal Dopaminergic Cells of MPTP-Treated mice. *Journal of Parkinson's Disease*. doi: 10.3233/jpd-130173. <http://dx.doi.org/10.3233/JPD-130173>

Puttagunta, R., Tedeschi, A., Soria, M. G., Hervera, A., Lindner, R., Rathore, K. I., . . . Schmandke, A. (2014). PCAF-dependent epigenetic changes promote axonal regeneration in the central nervous system. *Nature Communications*, 5. doi.

Putten, H. P. V., Bouwhuis, M. G., Muizelaar, J. P., Lyeth, B. G., & Berman, R. F. (2005). Diffusion-weighted imaging of edema following traumatic brain injury in rats: effects of secondary hypoxia. *Journal of Neurotrauma*, 22(8), 857-872. doi.

Qi, F., Yang, J., Xia, Y., Yuan, Q., Guo, K., Zou, J., & Yao, Z. (2015). A(H1N1) vaccination recruits T lymphocytes to the choroid plexus for the promotion of hippocampal neurogenesis and working memory in pregnant mice. *Brain, Behavior, and Immunity*.

doi: <http://dx.doi.org/10.1016/j.bbi.2015.11.006>.

<http://www.sciencedirect.com/science/article/pii/S0889159115300519>

Qi, F., Zuo, Z., Hu, S., Xia, Y., Song, D., Kong, J., . . . Yang, J. (2018). An Enriched Environment Restores Hepatitis B Vaccination-mediated Impairments in Synaptic Function Through IFN- γ /Arginase1 Signaling. *Brain, Behavior, and Immunity*.

doi: <https://www.sciencedirect.com/science/article/pii/S0889159118300898>

Qi, L. M., & Wade, J. (2013). Sexually Dimorphic and Developmentally Regulated Expression of Tubulin Specific Chaperone Protein A in the LMAN of Zebra Finches. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.05.032>.

<http://www.sciencedirect.com/science/article/pii/S0306452213004521>

Qi, X., Davis, B., Chiang, Y.-H., Filichia, E., Barnett, A., Greig, N. H., . . . Luo, Y. (2016). Dopaminergic neuron-specific deletion of p53 gene is neuroprotective in an experimental Parkinson's disease model. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13706. <http://dx.doi.org/10.1111/jnc.13706>

- Qian, K., Huang, C.-L., Chen, H., Blackbourn, L. W., Chen, Y., Cao, J., . . . Zhang, S.-C. (2014). A simple and efficient system for regulating gene expression in human pluripotent stem cells and derivatives. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1653. <http://dx.doi.org/10.1002/stem.1653>
- Qian, K., Huang, H., Peterson, A., Hu, B., Maragakis, N. J., Ming, G.-L., . . . Zhang, S.-C. (2017). Sporadic ALS Astrocytes Induce Neuronal Degeneration In Vivo. *Stem Cell Reports*. doi: <http://doi.org/10.1016/j.stemcr.2017.03.003>.
<http://www.sciencedirect.com/science/article/pii/S2213671117300917>
- Qian, Y., Yin, J., Hong, J., Li, G., Zhang, B., Liu, G., . . . Chen, L. (2016). Neuronal seipin knockout facilitates A β -induced neuroinflammation and neurotoxicity via reduction of PPAR γ in hippocampus of mouse. [journal article]. *Journal of neuroinflammation*, 13(1), 1-14. doi: 10.1186/s12974-016-0598-3. <http://dx.doi.org/10.1186/s12974-016-0598-3>
- Qiang, L., Piermarini, E., Muralidharan, H., Yu, W., Leo, L., Hennessy, L. E., . . . Baas, P. W. (2018). Hereditary Spastic Paraplegia: gain-of-function mechanisms revealed by new transgenic mouse. *Human Molecular Genetics*, ddy419-ddy419. doi: 10.1093/hmg/ddy419. <http://dx.doi.org/10.1093/hmg/ddy419>
- Qiao, C., Zhang, L.-X., Sun, X.-Y., Ding, J.-H., Lu, M., & Hu, G. (2016). Caspase-1 Deficiency Alleviates Dopaminergic Neuronal Death via Inhibiting Caspase-7/AIF Pathway in MPTP/p Mouse Model of Parkinson's Disease. [journal article]. *Molecular Neurobiology*, 1-11. doi: 10.1007/s12035-016-9980-5. <http://dx.doi.org/10.1007/s12035-016-9980-5>
- Qiao, C., Zhang, Q., Jiang, Q., Zhang, T., Chen, M., Fan, Y., . . . Hu, G. (2018). Inhibition of the hepatic Nlrp3 protects dopaminergic neurons via attenuating systemic inflammation in a MPTP/p mouse model of Parkinson's disease. [journal article]. *Journal of neuroinflammation*, 15(1), 193. doi: 10.1186/s12974-018-1236-z. <https://doi.org/10.1186/s12974-018-1236-z>
- Qiao, Y., Zhang, C.-K., Li, Z.-H., Niu, Z.-H., Li, J., & Li, J.-L. (2018). Collateral Projections from the Lateral Parabrachial Nucleus to the Central Amygdaloid Nucleus and the Ventral Tegmental Area in the Rat. *The Anatomical Record*, oja. doi: doi:10.1002/ar.23983. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ar.23983>
- Qin, H., Buckley, J. A., Li, X., Liu, Y., Fox, T. H., Meares, G. P., . . . Li, Y. (c01c6). Inhibition of the JAK/STAT Pathway Protects Against α -Synuclein-Induced Neuroinflammation and Dopaminergic Neurodegeneration. *The Journal of Neuroscience*, 36(18), 5144-5159. doi: <http://www.jneurosci.org/content/36/18/5144.short>
- Qin, Y., Liu, Y., Hao, W., Decker, Y., Tomic, I., Menger, M. D., . . . Fassbender, K. (2016). Stimulation of TLR4 Attenuates Alzheimer's Disease-Related Symptoms and Pathology in Tau-Transgenic Mice. *The Journal of Immunology*. doi: 10.4049/jimmunol.1600873. <http://www.jimmunol.org/content/early/2016/09/07/jimmunol.1600873.abstract>
- Qin, Z., Gonsalvez, D. G., Wood, R. J., Daemi, F., Yoo, S., Ivanusic, J. J., . . . Xiao, J. (2020). Partial deletion of p75^{NTR} in large-diameter DRG neurons exerts no influence upon the survival of

peripheral sensory neurons in vivo. *Journal of Neuroscience Research*, n/a(n/a). doi: 10.1002/jnr.24665. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jnr.24665>

Qiu, G., Helmeste, D. M., Samaranayake, A. N., Lau, W. M., Lee, T. M. C., Tang, S. W., & So, K. F. (2007). Modulation of the suppressive effect of corticosterone on adult rat hippocampal cell proliferation by paroxetine. *Neuroscience bulletin*, 23(3), 131-135. doi.

Qiu, L., Zhu, C., Bodogan, T., Gómez-Galán, M., Zhang, Y., Zhou, K., . . . Terrando, N. (2015). Acute and long-term effects of brief sevoflurane anesthesia during the early postnatal period in rats. *Toxicological Sciences*. doi: 10.1093/toxsci/kfv219. <http://toxsci.oxfordjournals.org/content/early/2015/09/29/toxsci.kfv219....>

Qiu, L., Zhu, C., Wang, X., Xu, F., Eriksson, P. S., Nilsson, M., . . . Blomgren, K. (2007). Less neurogenesis and inflammation in the immature than in the juvenile brain after cerebral hypoxia-ischemia. *Journal of Cerebral Blood Flow and Metabolism*, 27, 785-794. doi.

Qiu, Z., Norflus, F., Singh, B., Swindell, M. K., Buzescu, R., Bejarano, M., . . . Hersch, S. M. (2006). Sp1 Is Up-regulated in Cellular and Transgenic Models of Huntington Disease, and Its Reduction Is Neuroprotective. *Journal of Biological Chemistry*, 281(24), 16672-16680. doi.

Quach, D. H., Oliveira-Fernandes, M., Gruner, K. A., & Tourtellotte, W. G. (2013). A Sympathetic Neuron Autonomous Role for Egr3-Mediated Gene Regulation in Dendrite Morphogenesis and Target Tissue Innervation. *Journal of Neuroscience*, 33(10), 4570-4583. doi: 10.1523/jneurosci.5481-12.2013. <http://www.jneurosci.org/content/33/10/4570.abstract>

Quan, W., Luo, Q., Hao, W., Tomic, I., Furihata, T., Schulz-Schäffer, W., . . . Liu, Y. (2021). Haploinsufficiency of microglial MyD88 ameliorates Alzheimer's pathology and vascular disorders in APP/PS1-transgenic mice. [<https://doi.org/10.1002/glia.24007>]. *Glia*, n/a(n/a). doi: <https://doi.org/10.1002/glia.24007>. <https://doi.org/10.1002/glia.24007>

Queiroga, C. S. F., Tomasi, S., Widerøe, M., Alves, P. M., Vercelli, A., & Vieira, H. L. A. (2012). Preconditioning Triggered by Carbon Monoxide (CO) Provides Neuronal Protection Following Perinatal Hypoxia-Ischemia. *Plos one*, 7(8), e42632. doi.

Quesada, A., Romeo, H. E., & Micevych, P. (2007). Distribution and localization patterns of estrogen receptor- β

and insulin-like growth factor-1 receptors in neurons and glial cells of the female rat substantia nigra: Localization of ER β

and IGF-1R in substantia nigra. *Journal of Comparative Neurology*, 503(1), 198-208. doi.

Quik, M., Campos, C., Parameswaran, N., Langston, J. W., McIntosh, J. M., & Yelushvili, M. (2010). Chronic nicotine treatment increases nAChRs and microglial expression in monkey substantia nigra after nigrostriatal damage. *Journal of Molecular Neuroscience*, 40(1), 105-113. doi.

Quinn, J., Montine, T., Morrow, J., Woodward, W. R., Kulhanek, D., & Eckenstein, F. (2003). Inflammation and cerebral amyloidosis are disconnected in an animal model of Alzheimer's disease. *Journal of Neuroimmunology*, 137(1-2), 32-41. doi.

Quinn, J. C., Molinek, M., Mason, J. O., & Price, D. J. (2009). Gli3 is required autonomously for dorsal telencephalic cells to adopt appropriate fates during embryonic forebrain development. *Developmental Biology*, 327(1), 204-215. doi.

Quinn, J. F., Harris, C. J., Cobb, K. E., Domes, C., Ralle, M., Brewer, G., & Wadsworth, T. L. (2010). A Copper-Lowering Strategy Attenuates Amyloid Pathology in a Transgenic Mouse Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*, 21(3), 903-914. doi.

Quinn, M., Mukhida, K., Sadi, D., Hong, M., & Mendez, I. (2008). Adjunctive use of the non-ionic surfactant Poloxamer 188 improves fetal dopaminergic cell survival and reinnervation in a neural transplantation strategy for Parkinson's disease. *European Journal of Neuroscience*, 27(1), 43-52. doi.

Quintero, E. M., Willis, L., Singleton, R., Harris, N., Huang, P., Bhat, N., & Granholm, A. C. (2006). Behavioral and morphological effects of minocycline in the 6-hydroxydopamine rat model of Parkinson's disease. *Brain Research*, 1093(1), 198-207. doi.

R., M. D., Fatemeh, S., Leah, P., Nesrin, S., Joyonna, G. G., P., M. J., . . . Habibeh, K. (2018). HIV-1 Tat regulation of dopamine transmission and microglial reactivity is brain region specific. *Glia*, 0(0). doi: doi:10.1002/glia.23447. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23447>

Raaf, L., Noll, C., Cherifi, M., Benazzoug, Y., Delabar, J. M., & Janel, N. (2010). Hyperhomocysteinemia-induced Dyrk1a downregulation results in cardiomyocyte hypertrophy in rats. *International Journal of Cardiology*, 145(2), 306-307. doi.

Raaf, L., Noll, C., Cherifi, M. E. H., Samuel, J. L., Delcayre, C., Delabar, J. M., . . . Janel, N. (2011). Myocardial fibrosis and TGFB expression in hyperhomocysteinemic rats. *Molecular and Cellular Biochemistry*, 1-8. doi.

Raamsdonk, J. M. V., Pearson, J., Rogers, D. A., Bissada, N., Vogl, A. W., Hayden, M. R., & Leavitt, B. R. (2005). Loss of wild-type huntingtin influences motor dysfunction and survival in the YAC128 mouse model of Huntington disease. *Human Molecular Genetics*, 14(10), 1379- 1392. doi.

Rabaneda-Lombarte, N., Serratos, J., Bové, J., Vila, M., Saura, J., & Solà, C. (2021). The CD200R1 microglial inhibitory receptor as a therapeutic target in the MPTP model of Parkinson's disease. *Journal of neuroinflammation*, 18(1), 88. doi: 10.1186/s12974-021-02132-z. <https://doi.org/10.1186/s12974-021-02132-z>

Raber, J., Fan, Y., Matsumori, Y., Liu, Z., Weinstein, P. R., Fike, J. R., & Liu, J. (2004). Irradiation attenuates neurogenesis and exacerbates ischemia-induced deficits. *Annals of Neurology*, 55(3), 381-389. doi.

Rabey, K. N., Green, D. J., Taylor, A. B., Begun, D. R., Richmond, B. G., & McFarlin, S. C. (2014). Locomotor activity influences muscle architecture and bone growth but not muscle attachment site morphology. *Journal of Human Evolution*, (0). doi: <http://dx.doi.org/10.1016/j.jhevol.2014.10.010>.
<http://www.sciencedirect.com/science/article/pii/S0047248414002553>

Rademacher, D. J., Mendoza-Elias, N., & Meredith, G. E. (2014). Effects of context-drug learning on synaptic connectivity in the basolateral nucleus of the amygdala in rats. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12781. <http://dx.doi.org/10.1111/ejn.12781>

Rademacher, D. J., Rosenkranz, J. A., Morshedi, M. M., Sullivan, E. M., & Meredith, G. E. (2010). Amphetamine-Associated Contextual Learning Is Accompanied by Structural and Functional Plasticity in the Basolateral Amygdala. *Journal of Neuroscience*, 30(13), 4676- 4686. doi: 10.1523/jneurosci.6165-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/13/4676>

Radley, J. J., Anderson, R. M., Hamilton, B. A., Alcock, J. A., & Romig-Martin, S. A. (2013). Chronic Stress-Induced Alterations of Dendritic Spine Subtypes Predict Functional Decrements in an Hypothalamo-Pituitary-Adrenal-Inhibitory Prefrontal Circuit. *Journal of Neuroscience*, 33(36), 14379-14391. doi: 10.1523/jneurosci.0287-13.2013. <http://www.jneurosci.org/content/33/36/14379.abstract>

Radley, J. J., Arias, C. M., & Sawchenko, P. E. (2006). Regional Differentiation of the Medial Prefrontal Cortex in Regulating Adaptive Responses to Acute Emotional Stress. *Journal of Neuroscience*, 26(50), 12967-12976. doi: 10.1523/jneurosci.4297-06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/50/12967>

Radley, J. J., Gosselink, K. L., & Sawchenko, P. E. (2009). A Discrete GABAergic Relay Mediates Medial Prefrontal Cortical Inhibition of the Neuroendocrine Stress Response. *Journal of Neuroscience* 29(22), 7330-7340. doi.

Radley, J. J., Johnson, L. R., Janssen, W. G. M., Martino, J., Lamprecht, R., Hof, P. R., . . . Morrison, J. H. (2006). Associative Pavlovian conditioning leads to an increase in spinophilin- immunoreactive dendritic spines in the lateral amygdala. *European Journal of Neuroscience*, 24(3), 876-884. doi: doi:10.1111/j.1460-9568.2006.04962.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.04962.x>

Radley, J. J., & Sawchenko, P. E. (2011). A Common Substrate for Prefrontal and Hippocampal Inhibition of the Neuroendocrine Stress Response. *Journal of Neuroscience*, 31(26), 9683- 9695. doi: 10.1523/jneurosci.6040-10.2011. <http://www.jneurosci.org/content/31/26/9683.abstract>

Radley, J. J., & Sawchenko, P. E. (2015). Evidence for involvement of a limbic paraventricular hypothalamic inhibitory network in hypothalamic-pituitary-adrenal axis adaptations to repeated stress. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23815. <http://dx.doi.org/10.1002/cne.23815>

Radley, J. J., Williams, B., & Sawchenko, P. E. (2008). Noradrenergic Innervation of the Dorsal Medial Prefrontal Cortex Modulates Hypothalamo-Pituitary-Adrenal Responses to Acute Emotional Stress. *Journal of Neuroscience*, 28(22), 5806-5816. doi: 10.1523/jneurosci.0552-08.2008.

<http://www.jneurosci.org/cgi/content/abstract/28/22/5806>

Radomski, K. L., Zhou, Q., Kevin, J. Y., & Doughty, M. L. (2013). Glia, Scratch wound assay, Large animal model, Human NT-2 neurons, Regeneration. *BMC Neuroscience*, 14(1). doi:

<http://web.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&a...>

Rafii, M. S., Baumann, T. L., Bakay, R. A. E., Ostrove, J. M., Siffert, J., Fleisher, A. S., . . . Bartus, R. T. (2014). A phase1 study of stereotactic gene delivery of AAV2-NGF for Alzheimer's disease. *Alzheimer's & Dementia*, (o).

doi: <http://dx.doi.org/10.1016/j.jalz.2013.09.004>.

<http://www.sciencedirect.com/science/article/pii/S1552526013028380>

Raghanti, M., Spurlock, L., Robert Treichler, F., Weigel, S., Stimmelmayer, R., Butti, C., . . . Hof, P. (2014). An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls. *Brain Structure and Function*, 1-12. doi:

10.1007/s00429-014-0792-y. <http://dx.doi.org/10.1007/s00429-014-0792-y>

Raghanti, M. A., Conley, T., Sudduth, J., Erwin, J. M., Stimpson, C. D., Hof, P. R., & Sherwood, C. C. (2012). Neuropeptide Y-immunoreactive Neurons in the Cerebral Cortex of Humans and Other Haplorhine Primates. *American Journal of Primatology*, n/a-n/a. doi:

10.1002/ajp.22082. <http://dx.doi.org/10.1002/ajp.22082>

Raghanti, M. A., Simic, G., Watson, S., Stimpson, C. D., Hof, P. R., & Sherwood, C. C. (2011). Comparative analysis of the nucleus basalis of Meynert among primates. *Neuroscience*. doi.

Raghanti, M. A., Spocter, M. A., Stimpson, C. D., Erwin, J. M., Bonar, C. J., Allman, J. M., . . . Sherwood, C. C. (2009). Species-specific distributions of tyrosine hydroxylase-immunoreactive neurons in the prefrontal cortex of anthropoid primates. *Neuroscience*, 158(4), 1551-1559. doi.

Raghanti, M. A., Stimpson, C. D., Marcinkiewicz, J. L., Erwin, J. M., Hof, P. R., & Sherwood, C. C. (2008). Cholinergic innervation of the frontal cortex: differences among humans, chimpanzees, and macaque monkeys. *Journal of Comparative Neurology*, 506(3), 409-424. doi.

Raghanti, M. A., Stimpson, C. D., Marcinkiewicz, J. L., Erwin, J. M., Hof, P. R., & Sherwood, C. C. (2008). Cortical dopaminergic innervation among humans, chimpanzees, and macaque monkeys: A comparative study. *Neuroscience*, 155(1), 203-220. doi.

Raghanti, M. A., Stimpson, C. D., Marcinkiewicz, J. L., Erwin, J. M., Hof, P. R., & Sherwood, C. C. (2008). Differences in Cortical Serotonergic Innervation among Humans, Chimpanzees, and Macaque Monkeys: A Comparative Study. *Cerebral Cortex*, 18(3), 584-597. doi: 10.1093/cercor/bhm089.

<http://cercor.oxfordjournals.org/cgi/content/abstract/18/3/584>

Rahim, A. A., Wong, A. M. S., Hoefer, K., Buckley, S. M. K., Mattar, C. N., Cheng, S. H., . . . Waddington, S. N. (2011). Intravenous administration of AAV2/9 to the fetal and neonatal mouse leads to differential targeting of CNS cell types and extensive transduction of the nervous system. *FASEB Journal*, 25(10), 3505-3518. doi.

Rahim, A. A., Wong, A. M. S., Howe, S. J., Buckley, S. M. K., Acosta-Saltos, A. D., Elston, K. E., . . . Raivich, G. (2009). Efficient gene delivery to the adult and fetal CNS using pseudotyped non-integrating lentiviral vectors. *Gene Therapy*. doi. <http://dx.doi.org/10.1038/gt.2008.186>

Rahnama'i, M. S., de Wachter, S. G., van Koeveeringe, G. A., van Kerrebroeck, P. E., de Vente, J., & Gillespie, J. I. (2011). The Relationship Between Prostaglandin E Receptor 1 and Cyclooxygenase I Expression in Guinea Pig Bladder Interstitial Cells: Proposition of a Signal Propagation System. *Journal of Urology*, 185(1), 315-322. doi.

Rai, K. S., Hattiangady, B., & Shetty, A. K. (2007). Enhanced production and dendritic growth of new dentate granule cells in the middle-aged hippocampus following intracerebroventricular FGF-2 infusions. *European Journal of Neuroscience*, 26(7), 1765-1779. doi: doi:10.1111/j.1460-9568.2007.05820.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05820.x>

Raike, R. S., Hess, E. J., & Jinnah, H. A. (2015). Dystonia and cerebellar degeneration in the leaner mouse mutant. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2015.03.011>. <http://www.sciencedirect.com/science/article/pii/S0006899315001936>

Raike, R. S., Pizoli, C. E., Weisz, C., van den Maagdenberg, A. M. J. M., Jinnah, H. A., & Hess, E. J. (2012). Limited regional cerebellar dysfunction induces focal dystonia in mice. *Neurobiology of Disease*, (0). doi: 10.1016/j.nbd.2012.07.019. <http://www.sciencedirect.com/science/article/pii/S0969996112002677>

Raikwar, H. P., Muthian, G., Rajasingh, J., Johnson, C., & Bright, J. J. (2005). PPARgamma antagonists exacerbate neural antigen-specific Th1 response and experimental allergic encephalomyelitis. *Journal of Neuroimmunology*, 167. doi: 10.1016/j.jneuroim.2005.06.026. <http://dx.doi.org/10.1016/j.jneuroim.2005.06.026>

Rajab, A., Khaburi, M., Spranger, S., Kunze, J., & Spranger, J. (2003). Congenital generalized lipodystrophy, mental retardation, deafness, short stature, and slender bones: a newly recognized syndrome? *Am J Med Genet A*, 121A. doi: 10.1002/ajmg.a.20245. <http://dx.doi.org/10.1002/ajmg.a.20245>

Rajamohamedsait, H., Rasool, S., Rajamohamedsait, W., Lin, Y., & Sigurdsson, E. M. (2017). Prophylactic Active Tau Immunization Leads to Sustained Reduction in Both Tau and Amyloid- β Pathologies in 3xTg Mice. *Scientific Reports*, 7(1), 17034. doi: 10.1038/s41598-017-17313-1. <https://doi.org/10.1038/s41598-017-17313-1>

Rajkowska, G. (2003). Depression: what we can learn from postmortem studies. *The Neuroscientist*, 9(4), 273-284. doi.

Rajkowska, G. (2005). Anatomical pathology. The American Psychiatric Publishing textbook of mood disorders, 179-179. doi.

Rajkowska, G., Clarke, G., Mahajan, G., Licht, C. M. M., van de Werd, H. J. J. M., Yuan, P., . . . Uylings, H. B. M. (2016). Differential effect of lithium on cell number in the hippocampus and prefrontal cortex in adult mice: a stereological study. *Bipolar Disorders*, n/a-n/a. doi: 10.1111/bdi.12364. <http://dx.doi.org/10.1111/bdi.12364>

Rajkowska, G., Legutko, B., Moulana, M., Syed, M., Romero, D. G., Stockmeier, C. A., & Miguel- Hidalgo, J. J. (2018). Astrocyte pathology in the ventral prefrontal white matter in depression. *Journal of Psychiatric Research*. doi: 10.1016/j.jpsychires.2018.04.005. <http://dx.doi.org/10.1016/j.jpsychires.2018.04.005>

Rajkowska, G., Mahajan, G., Legutko, B., Challagundla, L., Griswold, M., Albert, P. R., . . . Stockmeier, C. A. (2017). Length of axons expressing the serotonin transporter in orbitofrontal cortex is lower with age in depression. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.07.006>. <http://www.sciencedirect.com/science/article/pii/S0306452217304761>

Rajkowska, G., Miguel-Hidalgo, J. J., Dubey, P., Stockmeier, C. A., & Krishnan, K. (2005). Prominent reduction in pyramidal neurons density in the orbitofrontal cortex of elderly depressed patients. *Biological Psychiatry*, 58(4), 297-306. doi.

Rajkowska, G., O'Dwyer, G., Teleki, Z., Stockmeier, C. A., & Miguel-Hidalgo, J. J. (2007). GABAergic Neurons Immunoreactive for Calcium Binding Proteins are Reduced in the Prefrontal Cortex in Major Depression. *Neuropsychopharmacology* 32, 471-482. doi.

Rajsombath, M. M., Nam, A. Y., Ericsson, M., & Nuber, S. (2019c). Female sex and brain-selective estrogen benefit α -synuclein tetramerization and the PD-like motor syndrome in 3K transgenic mice. *Journal of Neuroscience*, 0313-0319. doi. <https://www.jneurosci.org/content/early/2019/08/13/JNEUROSCI.0313-19.201...>

Rakici, S. Y., Guzel, A. I., Tumkaya, L., Sevim Nalkiran, H., & Mercantepe, T. (2019). Pelvic Radiation-Induced Testicular Damage: An Experimental Study at 1 Gray. *Systems Biology in Reproductive Medicine*, 1-10. doi: 10.1080/19396368.2019.1679909. <https://doi.org/10.1080/19396368.2019.1679909>

Raman, L., Kong, X., Gilley, J. A., & Kernie, S. G. (2011). Chronic Hypoxia Impairs Murine Hippocampal Development and Depletes the Postnatal Progenitor Pool by Attenuating Mammalian Target of Rapamycin Signaling. *Pediatric Research*, 70(2), 159-159. doi.

Raman, L., Kong, X., & Kernie, S. G. (2013). Pharmacological inhibition of the mTOR pathway impairs hippocampal development in mice. *Neuroscience Letters*, (0). doi: <http://dx.doi.org/10.1016/j.neulet.2013.01.045>. <http://www.sciencedirect.com/science/article/pii/S0304394013000876>

Ramanathan, D., Tuszynski, M. H., & Conner, J. M. (2009). The Basal Forebrain Cholinergic System Is Required Specifically for Behaviorally Mediated Cortical Map Plasticity. *Journal of*

Neuroscience, 29(18), 5992-6000. doi: 10.1523/jneurosci.0230-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/18/5992>

Ramaswamy, S., Goings, G. E., Soderstrom, K. E., Szele, F. G., & Kozlowski, D. A. (2005). Cellular proliferation and migration following a controlled cortical impact in the mouse. *Brain Research*, 1053(1-2), 38-53. doi.

Ramaswamy, S., McBride, J. L., Han, I., Berry-Kravis, E. M., Zhou, L., Herzog, C. D., . . . Kordower, J. H. (2009). Intrastriatal CERE-120 (AAV-Neurturin) protects striatal and cortical neurons and delays motor deficits in a transgenic mouse model of Huntington's disease. *Neurobiology of Disease*, 34(1), 40-50. doi.

Ramaswamy, S., McBride, J. L., Herzog, C. D., Brandon, E., Gasmi, M., Bartus, R. T., & Kordower, J. H. (2007). Neurturin gene therapy improves motor function and prevents death of striatal neurons in a 3-nitropropionic acid rat model of Huntington's disease. *Neurobiology of Disease*, 26(2), 375-384. doi.

Ramonet, D., Daher, J. P. L., Lin, B. M., Stafa, K., Kim, J., Banerjee, R., . . . others. (2011). Dopaminergic neuronal loss, reduced neurite complexity and autophagic abnormalities in transgenic mice expressing G2019S mutant LRRK2. *PLoS ONE*, 6(4), e18568-e18568. doi.

Ramos, R. L., Toia, A. R., Pasternack, D., Dotzler, T. P., Cuoco, J. A., Esposito, A. W., . . . Sarkisian, M. R. (2016). Neuroanatomical characterization of the cellular and axonal architecture of subcortical band heterotopia in the BXD29-Tlr4lps-2J/J mouse cortex. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.08.049>. <http://www.sciencedirect.com/science/article/pii/S0306452216304225>

Ranaldi, R., Kest, K., Zellner, M. R., Lubelski, D., Muller, J., Cruz, Y., & Saliba, M. (2011). The effects of VTA NMDA receptor antagonism on reward-related learning and associated c-fos expression in forebrain. *Behavioural Brain Research*, 216(1), 424-432. doi.

Ranasinghe, S., Or, G., Wang, E. Y., levins, A., McLean, M. A., Niell, C. M., . . . Sullivan, J. (2015). Reduced Cortical Activity Impairs Development and Plasticity after Neonatal Hypoxia Ischemia. *The Journal of Neuroscience*, 35(34), 11946-11959. doi. <http://www.jneurosci.org/content/35/34/11946.short>

Rane, M. J., Gozal, D., Butt, W., Gozal, E., Pierce, W. M., Jr., Guo, S. Z., . . . Klein, J. B. (2005). γ -Amino Butyric Acid Type B Receptors Stimulate Neutrophil Chemotaxis during Ischemia- Reperfusion. *Journal of Immunology*, 174(11), 7242-7249. doi. <http://www.jimmunol.org/cgi/content/abstract/174/11/7242>

Rangel, L., Alexander, A., Aimone, J., Wiles, J., Gage, F., Chiba, A., & Quinn, L. (2014). Temporally selective contextual encoding in the dentate gyrus of the hippocampus. *Nature Communications*, 5. doi. <http://www.nature.com/ncomms/2014/140212/ncomms4181/full/ncomms4181.html>

Rania, B., Harriet, L.-B., & Kullervo, H. (2020). Perfusion fixation methods for preclinical biodistribution studies: A comparative assessment using automated image processing.

Methods and Applications in Fluorescence.

doi: <http://iopscience.iop.org/article/10.1088/2050-6120/abd37b>

Rao, M. S., Hattiangady, B., Abdel-Rahman, A., Stanley, D. P., & Shetty, A. K. (2005). Newly born cells in the ageing dentate gyrus display normal migration, survival and neuronal fate choice but endure retarded early maturation European Journal of Neuroscience, 21(2), 464-476. doi.

Rao, M. S., Hattiangady, B., Rai, K. S., & Shetty, A. K. (2007). Strategies for promoting anti-seizure effects of hippocampal fetal cells grafted into the hippocampus of rats exhibiting chronic temporal lobe epilepsy. Neurobiology of Disease, 27(2), 117-132. doi.

Rao, M. S., Hattiangady, B., Reddy, D. S., & Shetty, A. K. (2006). Hippocampal neurodegeneration, spontaneous seizures, and mossy fiber sprouting in the F344 rat model of temporal lobe epilepsy. Journal of Neuroscience Research, 83(6), 1088-1105. doi.

Rao, M. S., Hattiangady, B., & Shetty, A. K. (2006). Fetal hippocampal CA3 cell grafts enriched with FGF-2 and BDNF exhibit robust long-term survival and integration and suppress aberrant mossy fiber sprouting in the injured middle-aged hippocampus Neurobiology of Disease 21(2), 276-290. doi.

Rao, M. S., Hattiangady, B., & Shetty, A. K. (2006). The window and mechanisms of major age- related decline in the production of new neurons within the dentate gyrus of the hippocampus. Aging Cell, 5(6), 545-558. doi.

Rao, M. S., & Shetty, A. K. (2004). Efficacy of doublecortin as a marker to analyse the absolute number and dendritic growth of newly generated neurons in the adult dentate gyrus. European Journal of Neuroscience, 19(2), 234-246. doi.
<http://www.blackwell-synergy.com/links/doi/10.1111/j.0953-816X.2003.0312...>

Rapp, P. R., Burwell, R. D., & West, M. J. (1996). Individual differences in aging: Implications for stereological studies of neuron loss. Neurobiology of Aging, 17, 495-496. doi.

Rapp, P. R., Deroche, P. S., Mao, Y., & Burwell, R. D. (2002). Neuron Number in the Parahippocampal Region is Preserved in Aged Rats with Spatial Learning Deficits. Cerebral Cortex, 12(11), 1171-1179. doi:
10.1093/cercor/12.11.1171.
<http://cercor.oxfordjournals.org/cgi/content/abstract/12/11/1171>

Rapp, P. R., & Gallagher, M. (1996). Preserved neuron number in the hippocampus of aged rats with spatial learning deficits. Proceedings of the National Academy of Sciences, 93, 9926-9930. doi.

Rash, B. G., Duque, A., Morozov, Y. M., Arellano, J. I., Micali, N., & Rakic, P. (2019). Gliogenesis in the outer subventricular zone promotes enlargement and gyrification of the primate cerebrum. Proceedings of the National Academy of Sciences, 201822169. doi: 10.1073/pnas.1822169116.
<http://www.pnas.org/content/early/2019/03/19/1822169116.abstract>

Rash, B. G., Lim, H. D., Breunig, J. J., & Vaccarino, F. M. (2011). FGF Signaling Expands Embryonic Cortical Surface Area by Regulating Notch-Dependent Neurogenesis. *Journal of Neuroscience*, 31(43), 15604-15617. doi: 10.1523/jneurosci.4439-11.2011. <http://www.jneurosci.org/content/31/43/15604.abstract>

Rash, B. G., Tomasi, S., Lim, H. D., Suh, C. Y., & Vaccarino, F. M. (2013). Cortical Gyrification Induced by Fibroblast Growth Factor 2 in the Mouse Brain. *Journal of Neuroscience*, 33(26), 10802-10814. doi: 10.1523/jneurosci.3621-12.2013. <http://www.jneurosci.org/content/33/26/10802.abstract>

Rashidiani-Rashidabadi, A., Heidari, M., Sajadi, E., Hejazi, F., Fathabady, F., Sadeghi, Y., . . . Farahni, R. (2019). Sciatic nerve injury alters the spatial arrangement of neurons and glial cells in the anterior horn of the spinal cord. [Research Article]. *Neural Regeneration Research*, 14(10), 1833-1840. doi: 10.4103/1673-5374.257539. <http://www.nrronline.org/article.asp?issn=1673-5374;year=2019;volume=14;...>

Raslan, A., Salem, M. A. M., Al-Hussaini, A., Guntinas-Lichius, O., & Irintchev, A. (2019). Brief Electrical Stimulation Improves Functional Recovery after Femoral but not after Facial Nerve Injury in Rats. *The Anatomical Record*, o(ja). doi: 10.1002/ar.24127. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ar.24127>

Rassy, D., Bárcena, B., Pérez-Osorio, I. N., Espinosa, A., Peón, A. N., Terrazas, L. I., . . . Sciutto, E. (2019). Intranasal Methylprednisolone Effectively Reduces Neuroinflammation in Mice With Experimental Autoimmune Encephalitis. *Journal of Neuropathology and Experimental Neurology*. doi: 10.1093/jnen/nlz128. <https://doi.org/10.1093/jnen/nlz128>

Rastogi, S., Unni, S., Sharma, S., Laxmi, T. R., & Kutty, B. M. (2014). Cholinergic immunotoxin 192 IgG-SAPORIN alters subicular theta-gamma activity and impairs spatial learning in rats. *Neurobiology of Learning and Memory*, (o). doi: <http://dx.doi.org/10.1016/j.nlm.2014.05.008>. <http://www.sciencedirect.com/science/article/pii/S1074742714000914>

Ratray, I., Smith, E., Gale, R., Matsumoto, K., Bates, G. P., & Modo, M. (2013). Correlations of Behavioral Deficits with Brain Pathology Assessed through Longitudinal MRI and Histopathology in the R6/2 Mouse Model of HD. *Plos one*, 8(4), e60012. doi: 10.1371/journal.pone.0060012. <http://dx.doi.org/10.1371%2Fjournal.pone.0060012>

Rau, K. K., Hill, C. E., Harrison, B. J., Venkat, G., Koenig, H. M., Cook, S. B., . . . Petruska, J. C. (2016). Cutaneous tissue damage induces long-lasting nociceptive sensitization and regulation of cellular stress- and nerve injury-associated genes in sensory neurons. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.06.002>. <http://www.sciencedirect.com/science/article/pii/S0014488616301595>

Ray, B., Roy, T. S., Wadhwa, S., & Roy, K. K. (2005). Development of the human fetal cochlear nerve: a morphometric study. *Hearing Research*, 202(1-2), 74-86. doi.

Ray, J., & Gage, F. H. (2006). Differential properties of adult rat and mouse brain-derived neural stem/progenitor cells. *Molecular and Cellular Neuroscience*, 31(3), 560-573. doi.

Ray, K., Dutta, A., Panjwani, U., Thakur, L., Anand, J. P., & Kumar, S. (2011). Hypobaric hypoxia modulates brain biogenic amines and disturbs sleep architecture. *Neurochemistry International*, 58(1), 112-118. doi:

Ray, S., Buralgossi, A., Brecht, M., & Naumann, R. K. (2017). Complementary Modular Microcircuits of the Rat Medial Entorhinal Cortex. [Original Research]. *Frontiers in Systems Neuroscience*, 11(20). doi:

10.3389/fnsys.2017.00020. <http://journal.frontiersin.org/article/10.3389/fnsys.2017.00020>

Ray, S., Corenblum, M. J., Anandhan, A., Reed, A., Ortiz, F. O., Zhang, D. D., . . . Madhavan, L. (2018). A Role for Nrf2 Expression in Defining the Aging of Hippocampal Neural Stem Cells. *Cell Transplantation*, 0963689718774030. doi:

10.1177/0963689718774030. <https://doi.org/10.1177/0963689718774030>

Rayen, I., Gemmel, M., Pauley, G., Steinbusch, H. M., & Pawluski, J. (2014). Developmental exposure to SSRIs, in addition to maternal stress, has long-term sex-dependent effects on hippocampal plasticity. *Psychopharmacology*, 1-14. doi: 10.1007/s00213-014-3758-

0. <http://dx.doi.org/10.1007/s00213-014-3758-0>

Rayen, I., Steinbusch, H. W. M., Charlier, T. D., & Pawluski, J. L. (2013). Developmental fluoxetine exposure and prenatal stress alter sexual differentiation of the brain and reproductive behavior in male rat offspring. *Psychoneuroendocrinology*, (0).

doi: <http://dx.doi.org/10.1016/j.psyneuen.2013.01.007>.

<http://www.sciencedirect.com/science/article/pii/S0306453013000127>

Rayen, I., van den Hove, D. L., Prickaerts, J., Steinbusch, H. W., & Pawluski, J. L. (2011). Fluoxetine during Development Reverses the Effects of Prenatal Stress on Depressive-Like Behavior and Hippocampal Neurogenesis in Adolescence. *PLoS ONE*, 6(9), e24003-e24003. doi:

Rea, S., Giles, N. L., Webb, S., Adcroft, K. F., Evill, L. M., Strickland, D. H., . . . Fear, M. W. (2009). Bone marrow-derived cells in the healing burn wound—more than just inflammation. *Burns*, 35(3), 356-364. doi:

Recasens, A., Carballo-Carbajal, I., Parent, A., Bové, J., Gelpi, E., Tolosa, E., & Vila, M. (2018). Lack of pathogenic potential of peripheral α -synuclein aggregates from Parkinson's disease patients. [journal article]. *Acta Neuropathologica Communications*, 6(1), 8. doi: 10.1186/s40478-018-0509-1. <https://doi.org/10.1186/s40478-018-0509-1>

Recasens, A., Dehay, B., Bové, J., Carballo-Carbajal, I., Dovero, S., Pérez, A., . . . Vila, M. (2013). Lewy body extracts from parkinson's disease brains trigger α -synuclein pathology and neurodegeneration in mice and monkeys. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24066. <http://dx.doi.org/10.1002/ana.24066>

Redecker, T. M., Kisko, T. M., Wöhr, M., & Schwarting, R. K. W. (2020). Cacna1c haploinsufficiency lacks effects on adult hippocampal neurogenesis and volumetric properties of prefrontal cortex and hippocampus in female rats. *Physiology and Behavior*, 223, 112974.

doi: <https://doi.org/10.1016/j.physbeh.2020.112974> <http://www.sciencedirect.com/science/article/pii/S0031938420302882>

Redmond, D. E. J., Vinuela, A., Kordower, J. H., & Isacson, O. (2008). Influence of cell preparation and target location on the behavioral recovery after striatal transplantation of fetal dopaminergic neurons in a primate model of Parkinson's disease. *Neurobiology of Disease*, 29(1), 103-116. doi.

Redmond, S. A., Figueres-Oñate, M., Obernier, K., Nascimento, M. A., Parraguez, J. I., López- Mascaraque, L., . . . Alvarez-Buylla, A. (2019). Development of Ependymal and Postnatal Neural Stem Cells and Their Origin from a Common Embryonic Progenitor. *Cell Reports*, 27(2), 429-441.e423. doi: <https://doi.org/10.1016/j.celrep.2019.01.088>. <http://www.sciencedirect.com/science/article/pii/S221112471930124X>

Redwine, J. M., Kosofsky, B., Jacobs, R. E., Games, D., Reilly, J. F., Morrison, J. H., . . . Bloom, F. E. (2003). Dentate gyrus volume is reduced before onset of plaque formation in PDAPP mice: A magnetic resonance microscopy and stereologic analysis. *Proceedings of the National Academy of Sciences*, 100(3), 1381-1386. doi: <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/100/3/1381>

Refolo, V., Bez, F., Polissidis, A., Kuzdas-Wood, D., Sturm, E., Kamaratou, M., . . . Stefanova, N. (2018). Progressive striatonigral degeneration in a transgenic mouse model of multiple system atrophy: translational implications for interventional therapies. [journal article]. *Acta Neuropathologica Communications*, 6(1), 2. doi: 10.1186/s40478-017-0504-y. <https://doi.org/10.1186/s40478-017-0504-y>

Regensburger, M., Kohl, Z., Grundmann, K., Winner, B., Riess, O., & Winkler, J. (2009). Adult neural precursor cells unaffected in animal models of DYT1 dystonia. *Neuroreport*, 20(17), 1529-1529. doi.

Regensburger, M., Prots, I., Reimer, D., Brachs, S., Loskarn, S., Lie, D. C., . . . Winner, B. (2018). Impact of Swiprosin-1/Efhd2 on Adult Hippocampal Neurogenesis. *Stem Cell Reports*. doi: [http://www.cell.com/stem-cell-reports/pdfExtended/S2213-6711\(17\)30558-1](http://www.cell.com/stem-cell-reports/pdfExtended/S2213-6711(17)30558-1)

Reich, A., Spering, C., Gertz, K., Harms, C., Gerhardt, E., Kronenberg, G., . . . Schulz, J. B. (2011). Fas/CD95 Regulatory Protein Faim2 Is Neuroprotective after Transient Brain Ischemia. *Journal of Neuroscience*, 31(1), 225-233. doi: 10.1523/jneurosci.2188-10.2011. <http://www.jneurosci.org/cgi/content/abstract/31/1/225>

Reichenbach, A., Stark, R., Mequinion, M., Denis, R. R. G., Goularte, J. F., Clarke, R. E., . . . Andrews, Z. B. (2018). AgRP Neurons Require Carnitine Acetyltransferase to Regulate Metabolic Flexibility and Peripheral Nutrient Partitioning. *Cell Reports*, 22(7), 1745-1759. doi: <https://doi.org/10.1016/j.celrep.2018.01.067>. <https://www.sciencedirect.com/science/article/pii/S2211124718301165>

Reid, A. J., de Luca, A. C., Faroni, A., Downes, S., Sun, M., Terenghi, G., & Kingham, P. J. (2013). Long term peripheral nerve regeneration using a novel PCL nerve conduit. *Neuroscience Letters*, (0).

doi: <http://dx.doi.org/10.1016/j.neulet.2013.04.001> <http://www.sciencedirect.com/science/article/pii/S0304394013003297>

Reid, S. J., Patassini, S., Handley, R. R., Rudiger, S. R., McLaughlan, C. J., Osmand, A., . . . Snell, R. G. (2013). Further Molecular Characterisation of the OVT73 Transgenic Sheep Model of Huntington's Disease Identifies Cortical Aggregates. *Journal of Huntington's Disease*, 2(3), 279-295. doi: 10.3233/jhd-130067. <http://dx.doi.org/10.3233/JHD-130067>

Reidling, J. C., Relaño-Ginés, A., Holley, S. M., Ochaba, J., Moore, C., Fury, B., . . . Thompson, L. M. (2017). Human Neural Stem Cell Transplantation Rescues Functional Deficits in R6/2 and Q140 Huntington's Disease Mice. *Stem Cell Reports*. doi: <https://doi.org/10.1016/j.stemcr.2017.11.005>. <https://www.sciencedirect.com/science/article/pii/S2213671117304915>

Reimsnider, S., Manfredsson, F. P., Muzyczka, N., & Mandel, R. J. (2007). Time Course of Transgene Expression After Intrastriatal Pseudotyped rAAV2/1, rAAV2/2, rAAV2/5, and rAAV2/8 Transduction in the Rat. *Molecular Therapy*, 15, 1504-1511. doi.

Reiner, A., Lafferty, D. C., Wang, H. B., Del Mar, N., & Deng, Y. P. (2012). The group 2 metabotropic glutamate receptor agonist LY379268 rescues neuronal, neurochemical and motor abnormalities in R6/2 Huntington's disease mice. *Neurobiology of Disease*, (0). doi: 10.1016/j.nbd.2012.03.025. <http://www.sciencedirect.com/science/article/pii/S0969996112000964>

Reinhart, F., El Massri, N., Johnstone, D. M., Stone, J., Mitrofanis, J., Benabid, A.-L., & Moro, C. (2016). Near-infrared light (670 nm) reduces MPTP-induced parkinsonism within a broad therapeutic time window. *Experimental Brain Research*, 1-8. doi. <http://link.springer.com/article/10.1007/s00221-016-4578-8>

Reinhart, F., Massri, N. E., Chabrol, C., Cretallaz, C., Johnstone, D. M., Torres, N., . . . Mitrofanis, J. (2015). Intracranial application of near-infrared light in a hemi-parkinsonian rat model: the impact on behavior and cell survival. *Journal of Neurosurgery*, 1-13. doi. <http://www.ncbi.nlm.nih.gov/pubmed/26613166>

Reinhart, F., Massri, N. E., Darlot, F., Torres, N., Johnstone, D. M., Chabrol, C., . . . Moro, C. (2014). 810 nm near-infrared light offers neuroprotection and improves locomotor activity in MPTP-treated mice. *Neuroscience Research*, (0). doi: <http://dx.doi.org/10.1016/j.neures.2014.11.005>. <http://www.sciencedirect.com/science/article/pii/S0168010214002946>

Reinhart, F., Massri, N. E., Torres, N., Chabrol, C., Molet, J., Johnstone, D. M., . . . Moro, C. (2016). The behavioural and neuroprotective outcomes when 670 nm and 810 nm near infrared light are applied together in MPTP-treated mice. *Neuroscience Research*. doi: <http://dx.doi.org/10.1016/j.neures.2016.11.006>. <http://www.sciencedirect.com/science/article/pii/S0168010216302528>

Reis, M., Czupalla, C. J., Ziegler, N., Devraj, K., Zinke, J., Seidel, S., . . . Liebner, S. (2012). Endothelial Wnt/ β -catenin signaling inhibits glioma angiogenesis and normalizes tumor blood vessels by inducing PDGF-B expression. *Journal of Experimental Medicine*. doi:

10.1084/jem.20111580.

http://jem.rupress.org/content/early/2012/08/13/jem.20111580.ab_struct

Reiss, A., Braun, J. S., Jager, K., Freyer, D., Laube, G., Buhner, C., . . . Weber, J. R. (2011). Bacterial Pore-Forming Cytolysins Induce Neuronal Damage in a Rat Model of Neonatal Meningitis. *Journal of Infectious Disease*, 203(3), 393-400. doi:

10.1093/infdis/jiq047. <http://jid.oxfordjournals.org/cgi/content/abstract/203/3/393>

Rekha, J., Chakravarthy, S., Veena, L. R., Kalai, V. P., Choudhury, R., Halahalli, H. N., . . . others. (2009). Transplantation of hippocampal cell lines restore spatial learning in rats with ventral subicular lesions. *Behavioral Neuroscience*, 123(6), 1197-1197. doi:

Ren, S.-Q., Li, Z., Lin, S., Bergami, M., & Shi, S.-H. (2019). Precise Long-Range Microcircuit-to-Microcircuit Communication Connects the Frontal and Sensory Cortices in the Mammalian Brain. *Neuron*.

doi: <https://doi.org/10.1016/j.neuron.2019.06.028>.

<http://www.sciencedirect.com/science/article/pii/S0896627319305987>

Ren, X., Zhang, T., Gong, X., Hu, G., Ding, W., & Wang, X. (2013). AAV2-mediated striatum delivery of human CDNF prevents the deterioration of midbrain dopamine neurons in a 6-hydroxydopamine induced parkinsonian rat model. *Experimental Neurology*, (0).

doi: <http://dx.doi.org/10.1016/j.expneurol.2013.06.002>. <http://www.sciencedirect.com/science/article/pii/S001448861300174X>

Rendall, A. R., Perrino, P. A., Buscarello, A. N., & Fitch, R. H. (2018). Shank3B mutant mice display pitch discrimination enhancements and learning deficits. *International Journal of Developmental Neuroscience*.

doi: <https://doi.org/10.1016/j.ijdevneu.2018.10.003>. <http://www.sciencedirect.com/science/article/pii/S0736574818302181>

Rendall, A. R., Perrino, P. A., LoTurco, J. J., & Fitch, R. H. (2018). Evaluation of visual motion perception ability in mice with knockout of the dyslexia candidate susceptibility gene Dcdc2. *Genes, Brain and Behavior*, e12450-n/a. doi:

10.1111/gbb.12450. <http://dx.doi.org/10.1111/gbb.12450>

Rennie, K., de Butte, M., Frechette, M., & Pappas, B. A. (2010). Chronic and acute melatonin effects in gerbil global forebrain ischemia: long-term neural and behavioral outcome. *Journal of Pineal Research*, 0(0). doi: doi:10.1111/j.1600-

079X.2007.00502.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1600-079X.2007.00502.x>

Rennie, K., De Butte, M., & Pappas, B. A. (2009). Melatonin promotes neurogenesis in dentate gyrus in the pinealectomized rat. *Journal of Pineal Research*, 47(4), 313-317. doi:

Rennie, K., Fréchette, M., & Pappas, B. A. (2011). The effects of neonatal forebrain cholinergic lesion on adult hippocampal neurogenesis. *Brain Research*, 1373, 79-90. doi:

Renouard, L., Bridi, M. C. D., Coleman, T., Arckens, L., & Frank, M. G. (2018). Anatomical Correlates of REM Sleep-Dependent Plasticity in the Developing Cortex. *Sleep*, zsy124-zsy124. doi: 10.1093/sleep/zsy124. <http://dx.doi.org/10.1093/sleep/zsy124>

Rentsch, P., Stayte, S., Egan, T., Clark, I., & Vissel, B. (2019). Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. *Neurobiology of Disease*, 104646.

doi: <https://doi.org/10.1016/j.nbd.2019.104646>.

<http://www.sciencedirect.com/science/article/pii/S0969996119303213>

Rentsch, P., Stayte, S., Morris, G. P., & Vissel, B. (2019). Time dependent degeneration of the nigrostriatal tract in mice with 6-OHDA lesioned medial forebrain bundle and the effect of activin A on l-Dopa induced dyskinesia. [journal article]. *BMC Neuroscience*, 20(1), 5. doi: 10.1186/s12868-019-0487-7.

<https://doi.org/10.1186/s12868-019-0487-7>

Repetto, I. E., Monti, R., Tropiano, M., Tomasi, S., Arbini, A., Andrade-Moraes, C.-H., . . . Vercelli, A. (2016). The Isotropic Fractionator as a Tool for Quantitative Analysis in Central Nervous System Diseases. [Methods]. *Frontiers in Cellular Neuroscience*, 10(190). doi: 10.3389/fncel.2016.00190.

<http://journal.frontiersin.org/article/10.3389/fncel.2016.00190>

Reumers, V., Deroose, C. M., Krylyshkina, O., Nuyts, J., Geraerts, M., Mortelmans, L., . . . Baekelandt, V. (2008). Non-invasive and Quantitative Monitoring of Adult Neuronal Stem Cell Migration in Mouse Brain Using Bioluminescence Imaging. *Stem Cells*, 26(9), 2382-2390. doi: 10.1634/stemcells.2007-

1062. <http://stemcells.alphamedpress.org/cgi/content/abstract/26/9/2382>

Reuter, E., Gollan, R., Grohmann, N., Paterka, M., Salmon, H., Birkenstock, J., . . . Kuhlmann, T. (2015). Cross-Recognition of a Myelin Peptide by CD8⁺ T Cells in the CNS Is Not Sufficient to Promote Neuronal Damage. *The Journal of Neuroscience*, 35(12), 4837-4850.

doi: <http://www.jneurosci.org/content/35/12/4837.short>

Revest, J. M., Dupret, D., Koehl, M., Funk-Reiter, C., Grosjean, N., Piazza, P. V., & Abrous, D. N. (2009). Adult hippocampal neurogenesis is involved in anxiety-related behaviors. *Molecular Psychiatry*. doi: <http://dx.doi.org/10.1038/mp.2009.15>

<http://www.nature.com/mp/journal/vaop/ncurrent/suppinfo/mp200915s1.html>

Rey, N., Petit, G., Bousset, L., Melki, R., & Brundin, P. (2013). Transfer of human α -synuclein from the olfactory bulb to interconnected brain regions in mice. *Acta Neuropathologica*, 1-

19. doi: 10.1007/s00401-013-1160-3. <http://dx.doi.org/10.1007/s00401-013-1160-3>

Rey, N. L., George, S., Steiner, J. A., Madaj, Z., Luk, K. C., Trojanowski, J. Q., . . . Brundin, P. (2017). Spread of aggregates after olfactory bulb injection of α -synuclein fibrils is associated with early neuronal loss and is reduced long term. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-017-1792-9. <https://doi.org/10.1007/s00401-017-1792-9>

Rey, N. L., Steiner, J. A., Maroof, N., Luk, K. C., Madaj, Z., Trojanowski, J. Q., . . . Brundin, P. (2016). Widespread transneuronal propagation of α -synucleinopathy triggered in olfactory bulb mimics prodromal Parkinson's disease. *The Journal of Experimental Medicine*. doi:

10.1084/jem.20160368.

<http://jem.rupress.org/content/early/2016/08/02/jem.20160368.a bstract>

Reyes, L. D., Stimpson, C. D., Gupta, K., Raghanti, M. A., Hof, P. R., Reep, R. L., & Sherwood, C. C. (2015). Neuron Types in the Presumptive Primary Somatosensory Cortex of the Florida Manatee (*Trichechus manatus latirostris*). *Brain, Behavior and Evolution*, 0(0), 210-231. doi: <http://www.karger.com/DOI/10.1159/000441964>

Reyes, S., Fu, Y., Double, K., Thompson, L., Kirik, D., Paxinos, G., & Halliday, G. M. (2012). GIRK2 expression in dopamine neurons of the substantia nigra and ventral tegmental area. *Journal of Comparative Neurology*. doi.

Reynolds, A. D., Banerjee, R., Liu, J., Gendelman, H. E., & Mosley, R. L. (2007). Neuroprotective activities of CD4+CD25+ regulatory T cells in an animal model of Parkinson's disease *Journal of Leukocyte Biology*, 82, 1083-1094. doi.

Reynolds, A. D., Stone, D. K., Hutter, J. A. L., Benner, E. J., Mosley, R. L., & Gendelman, H. E. (2010). Regulatory T Cells Attenuate Th17 Cell-Mediated Nigrostriatal Dopaminergic Neurodegeneration in a Model of Parkinson's Disease. *Journal of Immunology*, 184(5), 2261- 2271. doi:

10.4049/jimmunol.0901852. <http://www.jimmunol.org/cgi/content/abstract/184/5/2261>

Rhodes, J. S., Praag, H. v., Jeffrey, S., Girard, I., Mitchell, G. S., Jr., T. G., & Gage, F. H. (2003). Exercise Increases Hippocampal Neurogenesis to High Levels but Does Not Improve Spatial Learning in Mice Bred for Increased Voluntary Wheel Running. *Behavioral Neuroscience*, 117(5), 1006-1016. doi.

Ricard, J., Salinas, J., Garcia, L., & Liebl, D. J. (2006). EphrinB3 regulates cell proliferation and survival in adult neurogenesis. *Molecular and Cellular Neuroscience*, 31(4), 713-722. doi.

Rice, C. D., Lois, J. H., Kerman, I. A., & Yates, B. J. (2009). Localization of serotonergic neurons that participate in regulating diaphragm activity in the cat. *Brain Research*, 1279, 71-81. doi.

Rich, K. A., Burkett, C., & Webster, P. (2003). Cytoplasmic bacteria can be targets for autophagy. *Cellular Microbiology*, 5(7), 455-468. doi: doi:10.1046/j.1462-5822.2003.00292.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1462-5822.2003.00292.x>

Richard, B. C., Kurdakova, A., Baches, S., Bayer, T. A., Weggen, S., & Wirths, O. (2015). Gene Dosage Dependent Aggravation of the Neurological Phenotype in the 5XFAD Mouse Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*. doi: 10.3233/jad-143120. <http://dx.doi.org/10.3233/JAD-143120>

Richard, E., van Gool, W. A., Hoozemans, J. J. M., an Haastert, E. S., Eikelenboom, P., Rozemuller, A. J. M., & van de Berg, W. D. J. (2010). Morphometric changes in the cortical microvascular network in Alzheimer's disease. *Journal of Alzheimer's Disease*, 22(3), 811-818. doi.

Richard, K. L., Filali, M., Prefontaine, P., & Rivest, S. (2008). Toll-Like Receptor 2 Acts as a Natural Innate Immune Receptor to Clear Amyloid β 1-42 and Delay the Cognitive Decline in a Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, 28(22), 5784-5793. doi: 10.1523/jneurosci.1146-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/22/5784>

Richards, K., Coulthard, L. I., Rome, C., Collyer, T. A., Karle, T. J., Beare, R., & Petrou, S. (2021). Glass-brain mapping provides an adjunct tool for structural analysis in mouse models of neurodevelopmental disease. *Neuroimage: Reports*, 1(2), 100023. doi: <https://doi.org/10.1016/j.ynirp.2021.100023>. <https://www.sciencedirect.com/science/article/pii/S2666956021000210>

Richardson, H. N., Chan, S. H., Crawford, E. F., Lee, Y. K., Funk, C. K., Koob, G. F., & Mandyam, C. D. (2009). Permanent impairment of birth and survival of cortical and hippocampal proliferating cells following excessive drinking during alcohol dependence. *Neurobiology of Disease*, 36(1), 1-10. doi.

Richendrfer, H. A., & Swann, J. M. (2010). Neuronal composition of the magnocellular division of the medial preoptic nucleus (MPN mag) is sex specific in the Syrian Hamster (*Mesocricetus auratus*). *Brain Research*, 1351, 97-103. doi.

Richner, M., Bach, G., & West, M. J. (2009). Over expression of amyloid beta-protein reduces the number of neurons in the striatum of APP^{swe}/PS1 [Delta] E9. *Brain Research*, 1266, 87-92. doi.

Richter, F., Bauer, A., Perl, S., Schulz, A., & Richter, A. (2019). Optogenetic augmentation of the hypercholinergic endophenotype in DYT1 knock-in mice induced erratic hyperactive movements but not dystonia. *EBioMedicine*. doi: <https://doi.org/10.1016/j.ebiom.2019.02.042>. <http://www.sciencedirect.com/science/article/pii/S2352396419301203>

Richter, F., Fleming, S., Watson, M., Lemesre, V., Pellegrino, L., Ranes, B., . . . Chesselet, M.-F. (2014). A GCase Chaperone Improves Motor Function in a Mouse Model of Synucleinopathy. *Neurotherapeutics*, 1-17. doi: 10.1007/s13311-014-0294-x. <http://dx.doi.org/10.1007/s13311-014-0294-x>

Richter, F., Gabby, L., McDowell, K. A., Mulligan, C. K., De La Rosa, K., Sioshansi, P. C., . . . Chesselet, M.-F. (2016). Effects of decreased dopamine transporter levels on nigrostriatal neurons and paraquat/maneb toxicity in mice. *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2016.11.015>. <http://www.sciencedirect.com/science/article/pii/S0197458016303025>

Richter, F., Gao, F., Medvedeva, V., Lee, P., Bove, N., Fleming, S. M., . . . Chesselet, M.-F. (2014). Chronic administration of cholesterol oximes in mice increases transcription of cytoprotective genes and improves transcriptome alterations induced by alpha-synuclein overexpression in nigrostriatal dopaminergic neurons. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.05.012>. <http://www.sciencedirect.com/science/article/pii/S0969996114001302>

Richter, F., Subramaniam, S. R., Magen, I., Lee, P., Hayes, J., Attar, A., . . . Bitan, G. (2017). A Molecular Tweezer Ameliorates Motor Deficits in Mice Overexpressing α -Synuclein. [journal article]. *Neurotherapeutics*, 1-13. doi: 10.1007/s13311-017-0544-9.

9. <http://dx.doi.org/10.1007/s13311-017-0544-9>

Riday, T. T., Dankoski, E. C., Krouse, M. C., Fish, E. W., Walsh, P. L., Han, J. E., . . . Malanga, C. (2012). Pathway-specific dopaminergic deficits in a mouse model of Angelman syndrome. *Journal of Clinical Investigation*. doi.

Riddle, A., Maire, J., Cai, V., Nguyen, T., Gong, X., Hansen, K., . . . Back, S. A. (2013). Hemodynamic and Metabolic Correlates of Perinatal White Matter Injury Severity. *Plos one*, 8(12), e82940. doi:

10.1371/journal.pone.0082940. <http://dx.doi.org/10.1371%2Fjournal.pone.0082940>

Ries, A., Goldberg, J. L., & Grimpe, B. (2007). A novel biological function for CD44 in axon growth of retinal ganglion cells identified by a bioinformatics approach. *Journal of Neurochemistry*. doi: doi:10.1111/j.1471-4159.2007.04858.x.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.04858.x>

Ries, V., Cheng, H. C., Baohan, A., Kareva, T., Oo, T. F., Rzhetskaya, M., . . . Burke, R. E. (2009). Regulation of the postnatal development of dopamine neurons of the substantia nigra in vivo by Akt/protein kinase B. *Journal of Neurochemistry*, 110(1), 23-33. doi.

Ries, V., Henchcliffe, C., Kareva, T., Rzhetskaya, M., Bland, R., During, M. J., . . . Burke, R. E. (2006). Oncoprotein Akt/PKB induces trophic effects in murine models of Parkinson's disease. *Proceedings of the National Academy of Sciences*, 103(49), 18757-18762. doi.

Ries, V., Silva, R. M., Oo, T. F., Cheng, H. C., Rzhetskaya, M., Kholodilov, N., . . . Burke, R. E. (2008). JNK2 and JNK3 combined are essential for apoptosis in dopamine neurons of the substantia nigra, but are not required for axon degeneration. *Journal of Neurochemistry*, 107(6), 1578-1588. doi.

Rijkers, K., Aalbers, M., Hoogland, G., van Winden, L., Vles, J., Steinbusch, H., & Majoie, M. (2010). Acute seizure-suppressing effect of vagus nerve stimulation in the amygdala kindled rat. *Brain Research*, 1319, 155-163. doi.

Rijkers, K., Majoie, H. J. M., Aalbers, M. W., Philippens, M., Doenni, V. M., Vles, J. S. H., . . . Hoogland, G. (2012). Rat vagus nerve stimulation model of seizure suppression: NNOS and Fos B changes in the brainstem. *Journal of Chemical Neuroanatomy*, (0). doi: 10.1016/j.jchemneu.2012.09.004.

http://www.sciencedirect.com/science/article/pii/S0891_061812000609?v=s5

Rinaman, L., Levitt, P., & Card, J. P. (2000). Progressive Postnatal Assembly of Limbic-Autonomic Circuits Revealed by Central Transneuronal Transport of Pseudorabies Virus. *Journal of Neuroscience*, 20(7), 2731-2741.

doi. <http://www.jneurosci.org/cgi/content/abstract/20/7/2731>

Rioux, L., & Arnold, S. E. (2005). The expression of retinoic acid receptor alpha is increased in the granule cells of the dentate gyrus in schizophrenia. *Psychiatry Research*, 133(1), 13-21. doi.

Rioux, L., Nissanov, J., Lauber, K., Bilker, W. B., & Arnold, S. E. (2003). Distribution of Microtubule-Associated Protein MAP2-Immunoreactive Interstitial Neurons in the Parahippocampal White Matter in Subjects With Schizophrenia. *American Journal of Psychiatry*, 160, 149-155. doi.

Rising, A. C., Xu, J., Carlson, A., Napoli, V. V., Denovan-Wright, E. M., & Mandel, R. J. (2011). Longitudinal behavioral, cross-sectional transcriptional and histopathological characterization of a knock-in mouse model of Huntington's disease with 140 CAG repeats. *Experimental Neurology*, 228(2), 173-182. doi.

Rissman, R. A., Poon, W. W., Blurton-Jones, M., Oddo, S., Torp, R., & Vitek, M. P. (2004). Caspase-cleavage of tau is an early event in Alzheimer disease tangle pathology. *Journal of Clinical Investigation*, 114. doi: 10.1172/jci200420640. <http://dx.doi.org/10.1172/JCI200420640>

Ritchie, L. J., De Butte, M., & Pappas, B. A. (2004). Chronic mild stress exacerbates the effects of permanent bilateral common carotid artery occlusion on CA1 neurons. *Brain Research*, 1014(1-2), 228-235. doi.

Ritfeld, G. J., Nandoe Tewarie, R. D., Rahiem, S. T., Hurtado, A., Roos, R. A., Grotenhuis, A., & Oudega, M. (2010). Reducing macrophages to improve bone marrow stromal cell survival in the contused spinal cord. *Neuroreport*, 21(3), 221-221. doi.

Ritfeld, G. J., Rauck, B. M., Novosat, T. L., Park, D., Patel, P., Roos, R. A. C., . . . Oudega, M. (2014). The effect of a polyurethane-based reverse thermal gel on bone marrow stromal cell transplant survival and spinal cord repair. *Biomaterials*, 35(6), 1924-1931. doi: <http://dx.doi.org/10.1016/j.biomaterials.2013.11.062>. <http://www.sciencedirect.com/science/article/pii/S0142961213014282>

Riudavets, M. A., Iacono, D., Resnick, S. M., O'Brien, R., Zonderman, A. B., Martin, L. J., . . . Troncoso, J. C. (2007). Resistance to Alzheimer's pathology is associated with nuclear hypertrophy in neurons. *Neurobiology of Aging*, 28(10), 1484-1492. doi.

Rivera, H. M., & Bethea, C. L. (2013). Ovarian steroids increase PSD-95 expression and dendritic spines in the dorsal raphe of ovariectomized macaques. *Synapse*, n/a-n/a. doi: 10.1002/syn.21702. <http://dx.doi.org/10.1002/syn.21702>

Rivera, P. D., Shih, H.-Y., LeBlanc, J. A., Cole, M. G., Amaral, W. Z., Mukherjee, S., . . . Eisch, J. (2013). Acute and Fractionated Exposure to High-LET ⁵⁶Fe HZE-Particle Radiation Both Result in Similar Long-Term Deficits in Adult Hippocampal Neurogenesis. *Radiation Research*. doi: 10.1667/rr13480.1. <http://dx.doi.org/10.1667/RR13480.1>

Rivero, O., Selten, M. M., Sich, S., Popp, S., Bacmeister, L., Amendola, E., . . . Lesch, K. P. (2015). Cadherin-13, a risk gene for ADHD and comorbid disorders, impacts GABAergic function in

hippocampus and cognition. [Original Article]. *Transl Psychiatry*, 5, e655. doi: 10.1038/tp.2015.152. <http://dx.doi.org/10.1038/tp.2015.152>

Rizzi, S., Carter, L. B., Ori, C., & Jevtovic-Todorovic, V. (2008). Clinical Anesthesia Causes Permanent Damage to the Fetal Guinea Pig Brain. *Brain Pathology*, 18(2), 198-210. doi: doi:10.1111/j.1750-3639.2007.00116.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1750-3639.2007.00116.x>

Rizzi, S., Ori, C., & Jevtovic-Todorovic, V. (2010). Timing versus duration. *Annals of the New York Academy of Sciences*, 1199(1), 43-51. doi.

Robel, S., Bardehle, S., Lepier, A., Brakebusch, C., & Götz, M. (2011). Genetic Deletion of Cdc42 Reveals a Crucial Role for Astrocyte Recruitment to the Injury Site In Vitro and In Vivo. *Journal of Neuroscience*, 31(35), 12471-12482. doi: 10.1523/jneurosci.2696-11.2011. <http://www.jneurosci.org/content/31/35/12471.abstract>

Roberts, M. S., Macauley, S. L., Wong, A. M., Yilmaz, D., Hohm, S., Cooper, J. D., & Sands, M. S. (2012). Combination small molecule PPT1 mimetic and CNS-directed gene therapy as a treatment for infantile neuronal ceroid lipofuscinosis. *Journal of Inherited Metabolic Disease*, 1-11. doi.

Robinson, A. M., & Bucci, D. J. (2013). Physical Exercise During Pregnancy Improves Object Recognition Memory in Adult Offspring. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.10.012>. <http://www.sciencedirect.com/science/article/pii/S0306452213008567>

Robinson, G. A., & Madison, R. D. (2004). Axotomized mouse retinal ganglion cells containing melanopsin show enhanced survival, but not enhanced axon regrowth into a peripheral nerve graft. *Vision Research*, 44(23), 2667-2674. doi.

Robinson, S., & Bucci, D. J. (2011). Fear conditioning is disrupted by damage to the postsubiculum. *Hippocampus*. doi.

Robinson, S., & Bucci, D. J. (2012). Damage to Posterior Parietal Cortex Impairs Two Forms of Relational Learning. [Original Research]. *Frontiers in integrative neuroscience*, 6. doi: 10.3389/fnint.2012.00045. http://www.frontiersin.org/Journal/Abstract.aspx?s=571&name=integrative_...

Robinson, S., Keene, C. S., Iaccarino, H. F., Duan, D., & Bucci, D. J. (2011). Involvement of retrosplenial cortex in forming associations between multiple sensory stimuli. *Behavioral Neuroscience*, 125(4), 578-578. doi.

Robinson, S., Poorman, C. E., Marder, T. J., & Bucci, D. J. (2012). Identification of Functional Circuitry between Retrosplenial and Postrhinal Cortices during Fear Conditioning. *Journal of Neuroscience*, 32(35), 12076-12086. doi: 10.1523/jneurosci.2814-12.2012. <http://www.jneurosci.org/content/32/35/12076.abstract>

Robinson, S., Todd, T. P., Pasternak, A. R., Luikart, B. W., Skelton, P. D., Urban, D. J., & Bucci, D. J. (2014). Chemogenetic Silencing of Neurons in Retrosplenial Cortex Disrupts Sensory

Preconditioning. *The Journal of Neuroscience*, 34(33), 10982-10988. doi: <http://www.jneurosci.org/content/34/33/10982.short>

Robinson, S., Todd, T. P., Pasternak, A. R., Luikart, B. W., Skelton, P. D., Urban, D. J., & Bucci, D. J. (2014). Chemogenetic Silencing of Neurons in Retrosplenial Cortex Disrupts Sensory Preconditioning. *The Journal of Neuroscience*, 34(33), 10982-10988. doi: <http://www.jneurosci.org/content/34/33/10989.short>

Robson, M. J., Turner, R. C., Naser, Z. J., McCurdy, C. R., O'Callaghan, J. P., Huber, J. D., & Matsumoto, R. R. (2014). SN79, a sigma receptor antagonist, attenuates methamphetamine-induced astrogliosis through a blockade of OSMR/gp130 signaling and STAT3 phosphorylation. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.01.020>. <http://www.sciencedirect.com/science/article/pii/S0014488614000338>

Rocha, E. M., Smith, G. A., Park, E., Cao, H., Graham, A.-R., Brown, E., . . . Isacson, O. (2015). Chronic pharmacological glucocerebrosidase inhibition induces α -synuclein aggregation, microglial and complement activation and synaptic protein changes in mice. *Antioxidants & redox signaling*. doi: 10.1089/ars.2015.6307. <http://dx.doi.org/10.1089/ars.2015.6307>

Rocha, M. C., Grady, J. P., Grünewald, A., Vincent, A., Dobson, P. F., Taylor, R. W., . . . Rygiel, K. A. (2015). A novel immunofluorescent assay to investigate oxidative phosphorylation deficiency in mitochondrial myopathy: understanding mechanisms and improving diagnosis. [Article]. *Scientific Reports*, 5, 15037. doi: 10.1038/srep15037 <http://www.nature.com/articles/srep15037#supplementary-information>. <http://dx.doi.org/10.1038/srep15037>

Rockenstein, E., Mante, M., Adame, A., Crews, L., Moessler, H., & Masliah, E. (2007). Effects of Cerebrolysin on neurogenesis in an APP transgenic model of Alzheimer's disease. *Acta Neuropathologica*, 113(3), 265-275. doi:

Rockenstein, E., Overk, C. R., Ubhi, K., Mante, M., Patrick, C., Adame, A., . . . Masliah, E. (2015). A Novel Triple Repeat Mutant Tau Transgenic Model That Mimics Aspects of Pick's Disease and Fronto-Temporal Tauopathies. *Plos one*, 10(3), e0121570. doi: 10.1371/journal.pone.0121570. <http://dx.doi.org/10.1371%2Fjournal.pone.0121570>

Rockenstein, E., Ubhi, K., Doppler, E., Novak, P., Moessler, H., Li, B., . . . others. (2011). Regional Comparison of the Neurogenic Effects of CNTF-Derived Peptides and Cerebrolysin in A β PP Transgenic Mice. *Journal of Alzheimer's Disease*. doi:

Rockenstein, E., Ubhi, K., Mante, M., Florio, J., Adame, A., Winter, S., . . . Masliah, E. (2015). Neuroprotective effects of Cerebrolysin in triple repeat Tau transgenic model of Pick's disease and fronto-temporal tauopathies. *BMC Neuroscience*, 16(1), 85. doi: <http://www.biomedcentral.com/1471-2202/16/85>

Rockenstein, E., Ubhi, K., Pham, E., Michael, S., Doppler, E., Novak, P., . . . Masliah, E. (2011). Beneficial effects of a neurotrophic peptidergic mixture persist for a prolonged period

following treatment interruption in a transgenic model of Alzheimer's disease. *Journal of Neuroscience Research*, 89(11), 1812-1821. doi: 10.1002/jnr.22712. <http://dx.doi.org/10.1002/jnr.22712>

Rodberg, E. M., den Hartog, C. R., Anderson, R. I., Becker, H. C., Moorman, D. E., & Vazey, E. M. (2017). Stress Facilitates the Development of Cognitive Dysfunction After Chronic Ethanol Exposure. *Alcoholism: Clinical and Experimental Research*, n/a-n/a. doi: 10.1111/acer.13444. <http://dx.doi.org/10.1111/acer.13444>

Rodgers, J. T., Vogel, R. O., & Puigserver, P. (2011). Clk2 and B56beta mediate insulin-regulated assembly of the PP2A phosphatase holoenzyme complex on Akt. *Molecular Cell*, 41. doi: 10.1016/j.molcel.2011.02.007. <http://dx.doi.org/10.1016/j.molcel.2011.02.007>

Rodriguez, M. A., Pesold, C., Liu, W. S., Kriho, V., Guidotti, A., Pappas, G. D., & Costa, E. (2000). Colocalization of integrin receptors and reelin in dendritic spine postsynaptic densities of adult nonhuman primate cortex. *Proceedings of the National Academy of Sciences*, 97(7), 3550-3555. doi: 10.1073/Proceedings of the National Academy of Sciences.050589797. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/97/7/3550>

Rodriguez, V. M., Thiruchelvam, M., & Cory-Slechta, D. A. (2005). Sustained exposure to the widely used herbicide atrazine: altered function and loss of neurons in brain monoamine systems. *Environmental Health Perspectives*, 113(6), 708-708. doi.

Rodriguez-Paez, A. C., Brunschwig, J. P., & Bramlett, H. M. (2005). Light and electron microscopic assessment of progressive atrophy following moderate traumatic brain injury in the rat. *Acta Neuropathologica*, 109(6), 603-616. doi.

Roegge, C. S., Morris, J. R., Villareal, S., Wang, V. C., Powers, B. E., Klintsova, A. Y., . . . Schantz, S. L. (2006). Purkinje cell and cerebellar effects following developmental exposure to PCBs and/or MeHg. *Neurotoxicology and Teratology*, 28, 74-85. doi.

Roet, M., Jansen, A., Hoogland, G., Temel, Y., & Jahanshahi, A. (2019). Endogenous TRPV1 expression in the human cingulate- and medial frontal gyrus. *Brain Research Bulletin*, 152, 184-190. doi: <https://doi.org/10.1016/j.brainresbull.2019.07.018>. <http://www.sciencedirect.com/science/article/pii/S0361923019303557>

Rogers Flattery, C. N., Rosen, R. F., Farberg, A. S., Dooyema, J. M., Hof, P. R., Sherwood, C. C., . . . Preuss, T. M. (2020). Quantification of neurons in the hippocampal formation of chimpanzees: comparison to rhesus monkeys and humans. *Brain Structure and Function*. doi: 10.1007/s00429-020-02139-x. <https://doi.org/10.1007/s00429-020-02139-x>

Rogers, J. T., Morganti, J. M., Bachstetter, A. D., Hudson, C. E., Peters, M. M., Grimmig, B. A., . . . Gemma, C. (2011). CX3CR1 Deficiency Leads to Impairment of Hippocampal Cognitive Function and Synaptic Plasticity. *Journal of Neuroscience*, 31(45), 16241-16250. doi: 10.1523/jneurosci.3667-11.2011. <http://www.jneurosci.org/content/31/45/16241.abstract>

Rojo, M. G., García, G. B., Mateos, C. P., García, J. G., & Vicente, M. C. (2005). Preparaciones digitales en los servicios de Anatomía Patológica (II). Análisis de soluciones existentes. *Revista Espanola de Patologia*, 38(4), 207-220. doi.

Rojo, M. G., García, G. B., Mateos, C. P., García, J. G., & Vicente, M. C. (2006). Critical comparison of 31 commercially available digital slide systems in pathology. *International Journal of Surgical Pathology*, 14(4), 285-305. doi.

Roland, J. J., Janke, K. L., Servatius, R. J., & Pang, K. C. H. (2013). GABAergic neurons in the medial septum-diagonal band of Broca (MSDB) are important for acquisition of the classically conditioned eyeblink response. *Brain Structure and Function*, 1-7. doi: 10.1007/s00429-013-0560-4. <http://dx.doi.org/10.1007/s00429-013-0560-4>

Roland, J. J., & Savage, L. M. (2009). The role of cholinergic and GABAergic medial septal/diagonal band cell populations in the emergence of diencephalic amnesia. *Neuroscience*, 160(1), 32-41. doi.

Roland, J. J., Stewart, A. L., Janke, K. L., Gielow, M. R., Kostek, J. A., Savage, L. M., . . . Pang, K. C. (2014). Medial Septum-Diagonal Band of Broca (MSDB) GABAergic Regulation of Hippocampal Acetylcholine Efflux Is Dependent on Cognitive Demands. *The Journal of Neuroscience*, 34(2), 506-514. doi. <http://www.jneurosci.org/content/34/2/506.short>

Rolfes, S., Munro, D. A. D., Lyras, E.-M., Matute, E., Ouk, K., Harms, C., . . . Priller, J. (2020). Lentiviral delivery of human erythropoietin attenuates hippocampal atrophy and improves cognition in the R6/2 mouse model of Huntington's disease. *Neurobiology of Disease*, 144, 105024. doi: <https://doi.org/10.1016/j.nbd.2020.105024>. <http://www.sciencedirect.com/science/article/pii/S0969996120302990>

Rolyan, H., Scheffold, A., Heinrich, A., Begus-Nahrman, Y., Langkopf, B. H., Holter, S. M., . . . Rudolph, K. L. (2011). Telomere shortening reduces Alzheimer's disease amyloid pathology in mice. *Brain*, 134(7), 2044-2056. doi: 10.1093/brain/awr133. <http://brain.oxfordjournals.org/cgi/content/abstract/134/7/2044>

Roman, J. A., Niedzielko, T. L., Haddon, R. C., Parpura, V., & Floyd, C. L. (2011). Single-Walled Carbon Nanotubes Chemically Functionalized with Polyethylene Glycol Promote Tissue Repair in a Rat Model of Spinal Cord Injury. *Journal of Neurotrauma*, 28(11), 2349-2362. doi.

Romanova, E. V., Oxley, S. P., Rubakhin, S. S., Bohn, P. W., & Sweedler, J. V. (2006). Self-assembled monolayers of alkanethiols on gold modulate electrophysiological parameters and cellular morphology of cultured neurons. *Biomaterials*, 27(8), 1665-1669. doi.

Romeo, R. D., Karatsoreos, I. N., Jasnow, A. M., & McEwen, B. S. (2007). Age- and Stress- Induced Changes in Corticotropin-Releasing Hormone mRNA Expression in the Paraventricular Nucleus of the Hypothalamus. *Neuroendocrinology*, 0(4), 199-206. doi. <http://www.karger.com/DOI/10.1159/000102950>

Romeo, S., Viaggi, C., Di Camillo, D., Willis, A. W., Lozzi, L., Rocchi, C., . . . Maccarone, R. (2013). Bright light exposure reduces TH-positive dopamine neurons: implications of light pollution in Parkinson's disease epidemiology. *Scientific Reports*, 3. doi.

Romeo, S., Vitale, F., Viaggi, C., di Marco, S., Aloisi, G., Fasciani, I., . . . Maggio, R. (2017). Fluorescent light induces neurodegeneration in the rodent nigrostriatal system but near infrared LED light does not. *Brain Research*.

doi: <http://dx.doi.org/10.1016/j.brainres.2017.02.026>.

<http://www.sciencedirect.com/science/article/pii/S0006899317300975>

Römer, B., Krebs, J., Overall, R. W., Fabel, K., Babu, H., Overstreet-Wadiche, L., . . . Kempermann, G. (2011). Adult hippocampal neurogenesis and plasticity in the infrapyramidal bundle of the mossy fiber projection: I. Co-regulation by activity. *Frontiers in Neuroscience*,

5. doi.

Römer, C., Engel, O., Winek, K., Hochmeister, S., Zhang, T., Royle, G., . . . Meisel, A. (2015). Blocking Stroke-Induced Immunodeficiency Increases CNS Antigen-Specific Autoreactivity But Does Not Worsen Functional Outcome after Experimental Stroke. *The Journal of Neuroscience*, 35(20), 7777-7794. doi.

<http://www.jneurosci.org/content/35/20/7777.short>

Romero-Pimentel, A. L., Vázquez-Roque, R. A., Camacho-Abrego, I., Hoffman, K. L., Linares, P., Flores, G., & Manjarrez, E. (2014). Histological correlates of N40 auditory evoked potentials in adult rats after neonatal ventral hippocampal lesion: animal model of schizophrenia.

Schizophrenia Research. doi: 10.1016/j.schres.2014.09.009.

[http://www.schres-journal.com/article/S0920-9964\(14\)00475-7/abstract](http://www.schres-journal.com/article/S0920-9964(14)00475-7/abstract)

Romero, A. M., Krajewski, S. J., Lou Voytko, M., & Rance, N. E. (2007). Hypertrophy and Increased Kisspeptin Gene Expression in the Hypothalamic Infundibular Nucleus of Postmenopausal Women and Ovariectomized Monkeys. *Journal of Clinical Endocrinological Metabolism*, 92(7), 2744-2750. doi: 10.1210/jc.2007-

0553. <http://jcem.endojournals.org/cgi/content/abstract/92/7/2744>

Romero, A. M., & Rance, N. E. (2008). Changes in prodynorphin gene expression and neuronal morphology in the hypothalamus of postmenopausal women. *Journal of Neuroendocrinology*, 20(12), 1376-1381. doi.

Ronald, K. L., Ensminger, A. L., Shawkey, M. D., Lucas, J. R., & Fernández-Juricic, E. (2017). Testing a key assumption in animal communication: between-individual variation in female visual systems alters perception of male signals. [10.1242/bio.028282]. *Biology Open*, 6(12), 1771. doi. <http://bio.biologists.org/content/6/12/1771.abstract>

Roper, R. J., Baxter, L. L., Saran, N. G., Klinedinst, D. K., Beachy, P. A., & Reeves, R. H. (2006). Defective cerebellar response to mitogenic Hedgehog signaling in Down's syndrome mice. *Proceedings of the National Academy of Sciences*, 103(5), 1452-1456. doi: 10.1073/Proceedings of the National Academy of

Sciences.0510750103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/5/1452>

Ropireddy, D., Bachus, S. E., & Ascoli, G. A. (2012). Non-Homogeneous Stereological Properties of the Rat Hippocampus from High-Resolution 3D Serial Reconstruction of Thin Histological Sections. *Neuroscience*. doi.

Rorabaugh, J. M., Chalermpananupap, T., Botz-Zapp, C. A., Fu, V. M., Lembeck, N. A., Cohen, R. M., & Weinshenker, D. (2017). Chemogenetic locus coeruleus activation restores reversal learning in a rat model of Alzheimer's disease. *Brain*, awx232-awx232. doi: 10.1093/brain/awx232. <http://dx.doi.org/10.1093/brain/awx232>

Rosado-Mendez, I. M., Noguchi, K. K., Castañeda-Martinez, L., Kirvassilis, G., Wang, S. H., Manzella, F., . . . Ikonomidou, C. (2019). Quantitative ultrasound and apoptotic death in the neonatal primate brain. *Neurobiology of Disease*. doi: <https://doi.org/10.1016/j.nbd.2019.03.032>.
<http://www.sciencedirect.com/science/article/pii/S096999611930083X>

Rosano, C., Sweeney, J. A., Melchitzky, D. S., & Lewis, D. A. (2003). The human precentral sulcus: chemoarchitecture of a region corresponding to the frontal eye fields. *Brain Research*, 972(1-2), 16-30. doi.

Rosen, G. D., Azoulay, N. G., Griffin, E. G., Newbury, A., Koganti, L., Fujisaki, N., . . . Williams, R. W. (2012). Bilateral Subcortical Heterotopia with Partial Callosal Agenesis in a Mouse Mutant. *Cerebral Cortex*. doi: 10.1093/cercor/bhs080.
<http://cercor.oxfordjournals.org/content/early/2012/03/27/cerc.or.bhs080....>

Rosen, G. D., Mesples, B., Hendriks, M., & Galaburda, A. M. (2006). Histometric changes and cell death in the thalamus after neonatal neocortical injury in the rat. *Neuroscience*, 141(2), 875-888. doi.

Rosen, G. D., Pung, C. J., Owens, C. B., Caplow, J., Kim, H., Mozhui, K., . . . Williams, R. W. (2009). Genetic modulation of striatal volume by loci on Chrs 6 and 17 in BXD recombinant inbred mice. *Genes, Brain and Behavior*, 8(3), 296-308. doi.

Rosen, G. J., De Vries, G. J., Goldman, S. L., Goldman, B. D., & Forger, N. G. (2007). Distribution of vasopressin in the brain of the eusocial naked mole-rat. *Journal of Comparative Neurology*, 500(6), 1093-1105. doi.

Rosenzweig, E. S., Brock, J. H., Culbertson, M. D., Lu, P., Moseanko, R., Edgerton, V. R., . . . Tuszynski, M. H. (2009). Extensive spinal decussation and bilateral termination of cervical corticospinal projections in rhesus monkeys. *Journal of Comparative Neurology*, 513(2), 151-163. doi.

Rosenzweig, E. S., Brock, J. H., Lu, P., Kumamaru, H., Salegio, E. A., Kadoya, K., . . . Tuszynski, M. H. (2018). Restorative effects of human neural stem cell grafts on the primate spinal cord. [Article]. *Nature Medicine*. doi: 10.1038/nm.4502

<https://www.nature.com/articles/nm.4502#supplementary-information>. <http://dx.doi.org/10.1038/nm.4502>

Rosenzweig, E. S., Courtine, G., Jindrich, D. L., Brock, J. H., Ferguson, A. R., Strand, S. C., . . . others. (2010). Extensive spontaneous plasticity of corticospinal projections after primate spinal cord injury. *Nature Neuroscience*, 13(12), 1505-1510. doi.

Rosenzweig, S., & Carmichael, S. T. (2013). Age-Dependent Exacerbation of White Matter Stroke Outcomes: A Role for Oxidative Damage and Inflammatory Mediators. *Stroke*. doi: 10.1161/strokeaha.113.001796.
<http://stroke.ahajournals.org/content/early/2013/07/18/STROKEAHA.113.001796>

Rossi, C., Angelucci, A., Costantin, L., Braschi, C., Mazzantini, M., Babbini, F., . . . Caleo, M. (2006). Brain-derived neurotrophic factor (BDNF) is required for the enhancement of hippocampal neurogenesis following environmental enrichment. *European Journal of Neuroscience*, 24(7), 1850-1856. doi: doi:10.1111/j.1460-9568.2006.05059.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2006.05059.x>

Rossi, S. L., Mahairaki, V., Zhou, L., Song, Y., & Koliatsos, V. E. (2014). Remodeling of the piriform cortex after lesion in adult rodents. *Neuroreport*, Publish Ahead of Print, 10.1097/WNR.0000000000000203. doi: http://journals.lww.com/neuroreport/Fulltext/publishahead/Remodeling_of_...

Rostkowski, A. B., Leitermann, R. J., & Urban, J. H. (2013). Differential activation of neuronal cell types in the basolateral amygdala by corticotropin releasing factor. *Neuropeptides*, (0). doi: <http://dx.doi.org/10.1016/j.npep.2012.12.004>.
<http://www.sciencedirect.com/science/article/pii/S0143417912001333>

Rostkowski, A. B., Teppen, T. L., Peterson, D. A., & Urban, J. H. (2009). Cell-specific expression of neuropeptide Y Y1 receptor immunoreactivity in the rat basolateral amygdala. *Journal of Comparative Neurology*, 517(2), 166-176. doi.

Rot, I., & Kablar, B. (2010). The influence of acoustic and static stimuli on development of inner ear sensory epithelia. *International Journal of Developmental Neuroscience*, 28(4), 309-315. doi.

Roth, I., Gallagher, C. M., LaDage, L. D., & Pravosudov, V. V. (2012). Variation in Brain Regions Associated with Fear and Learning in Contrasting Climates. *Brain, Behavior and Evolution*. doi.

Roth I., T. C., LaDage, L. D., & Pravosudov, V. V. (2011). Variation in hippocampal morphology along an environmental gradient: controlling for the effects of day length. *Proceedings of the Royal Society B: Biological Sciences*, 278(1718), 2662-2667. doi.

Roth I., T. C., & Pravosudov, V. V. (2009). Hippocampal volumes and neuron numbers increase along a gradient of environmental harshness: a large-scale comparison. *Proceedings of the Royal Society B: Biological Sciences*, 276(1656), 401-405. doi.

Roth, T. C., Chevalier, D. M., LaDage, L. D., & Pravosudov, V. V. (2013). Variation in hippocampal glial cell numbers in food-caching birds from different climates.

Developmental Neurobiology, n/a-n/a. doi:

10.1002/dneu.22074. <http://dx.doi.org/10.1002/dneu.22074>

Roth-Alpermann, C., Anjum, F., Naumann, R., & Brecht, M. (2010). Cortical Organization in the Etruscan Shrew (*Suncus etruscus*). *Journal of Neurophysiology*, 104(5), 2389-2406. doi: 10.1152/jn.00762.2009. <http://jn.physiology.org/cgi/content/abstract/104/5/2389>

Rothstein, S., Simkins, T., & Nuñez, J. L. (2008). Response to neonatal anesthesia: Effect of sex on anatomical and behavioral outcome. *Neuroscience*, 152(4), 959-969. doi.

Rottscholl, R., Haegele, M., Jainsch, B., Xu, H., Respondek, G., Höllerhage, M., . . . Höglinger, G. U. (2016). Chronic consumption of *Annona muricata* juice triggers and aggravates cerebral tau phosphorylation in wild-type and MAPT transgenic mice. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13835. <http://dx.doi.org/10.1111/jnc.13835>

Roughton, K., Andreasson, U., Blomgren, K., & Kalm, M. (2013). Lipopolysaccharide-Induced Inflammation Aggravates Irradiation-Induced Injury to the Young Mouse Brain. *Developmental Neuroscience*. doi. <http://www.karger.com/Article/Citation/353820>

Roughton, K., Kalm, M., & Blomgren, K. (2012). Sex-dependent differences in behavior and hippocampal neurogenesis after irradiation to the young mouse brain. *European Journal of Neuroscience*, no-no. doi: 10.1111/j.1460-9568.2012.08197.x. <http://dx.doi.org/10.1111/j.1460-9568.2012.08197.x>

Rousseaux, M. W. C., Marcogliese, P. C., Qu, D., Hewitt, S. J., Seang, S., Kim, R. H., . . . Park, D. S. (2012). Progressive dopaminergic cell loss with unilateral-to-bilateral progression in a genetic model of Parkinson disease. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1205102109. <http://www.pnas.org/content/early/2012/09/06/1205102109.abstract>

Row, B. W., Kheirandish, L., Cheng, Y., Rowell, P. P., & Gozal, D. (2007). Impaired spatial working memory and altered choline acetyltransferase (CHAT) immunoreactivity and nicotinic receptor binding in rats exposed to intermittent hypoxia during sleep. *Behavioural Brain Research*, 177(2), 308-314. doi.

Rowan, S. L., Rygiel, K., Purves-Smith, F. M., Solbak, N. M., Turnbull, D. M., & Hepple, R. T. (2012). Denervation Causes Fiber Atrophy and Myosin Heavy Chain Co-Expression in Senescent Skeletal Muscle. *PLoS ONE*, 7(1), e29082-e29082. doi.

Roy, A., Ghosh, A., Jana, A., Liu, X., Brahmachari, S., Gendelman, H. E., & Pahan, K. (2012). Sodium Phenylbutyrate Controls Neuroinflammatory and Antioxidant Activities and Protects Dopaminergic Neurons in Mouse Models of Parkinson's Disease. *Plos one*, 7(6), e38113. doi: 10.1371/journal.pone.0038113. <http://dx.doi.org/10.1371/journal.pone.0038113>

Roy, A., & Pahan, K. (2011). Prospects of statins in Parkinson disease. *The Neuroscientist*, 17(3), 244-255. doi.

Roy, K., Murtie, J. C., El-Khodir, B. F., Edgar, N., Sardi, S. P., Hooks, B. M., . . . Corfas, G. (2007). Loss of erbB signaling in oligodendrocytes alters myelin and dopaminergic function, a

potential mechanism for neuropsychiatric disorders. *Proceedings of the National Academy of Sciences*, 104(19), 8131-8136. doi: 10.1073/Proceedings of the National Academy of Sciences.0702157104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/19/8131>

Roy, T. S., Saini, S., Kaur, C., Pal, I., Kumar, P., Jacob, T. G., . . . Roy, K. K. (2019). Morphological development of the human cochlear nucleus. *Hearing Research*, 107784. doi: <https://doi.org/10.1016/j.heares.2019.107784>.
<http://www.sciencedirect.com/science/article/pii/S0378595519302734>

Rubinow, M., Mahajan, G., May, W., Overholser, J., Jurjus, G., Dieter, L., . . . Stockmeier, C. (2014). Basolateral amygdala volume and cell numbers in major depressive disorder: a postmortem stereological study. *Brain Structure and Function*, 1-14. doi: 10.1007/s00429-014-0900-z. <http://dx.doi.org/10.1007/s00429-014-0900-z>

Rudolph, L. M., & Sengelaub, D. R. (2012). Critical period for estrogen-dependent motoneuron dendrite growth is coincident with ER α expression in target musculature. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22040. <http://dx.doi.org/10.1002/dneu.22040>

Rudolph, L. M., & Sengelaub, D. R. (2013). Castration-induced upregulation of muscle ER α supports estrogen sensitivity of motoneuron dendrites in a sexually dimorphic neuromuscular system. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22118. <http://dx.doi.org/10.1002/dneu.22118>

Rudow, G., O'Brien, R., Savonenko, A. V., Resnick, S. M., Zonderman, A. B., Pletnikova, O., . . . others. (2008). Morphometry of the human substantia nigra in ageing and Parkinson's disease. *Acta Neuropathologica*, 115(4), 461-470. doi.

Rudyk, C., Dwyer, Z., McNeill, J., Salmaso, N., Farmer, K., Prowse, N., & Hayley, S. (2019). Chronic unpredictable stress influenced the behavioral but not the neurodegenerative impact of paraquat. *Neurobiology of Stress*, 100179. doi: <https://doi.org/10.1016/j.ynstr.2019.100179>.
<http://www.sciencedirect.com/science/article/pii/S2352289519300116>

Ruff, C. A., Faulkner, S. D., Rumajogee, P., Beldick, S., Foltz, W., Corrigan, J., . . . Fehlings, M. G. (2017). The extent of intrauterine growth restriction determines the severity of cerebral injury and neurobehavioural deficits in rodents. *Plos one*, 12(9), e0184653. doi: 10.1371/journal.pone.0184653. <https://doi.org/10.1371/journal.pone.0184653>

Ruff, C. A., Ye, H., Legasto, J. M., Striibell, N. A., Wang, J., Zhang, L., & Fehlings, M. G. (2013). Effects of Adult Neural Precursor-Derived Myelination on Axonal Function in the Perinatal Congenitally Dysmyelinated Brain: Optimizing Time of Intervention, Developing Accurate Prediction Models, and Enhancing Performance. *Journal of Neuroscience*, 33(29), 11899- 11915. doi: 10.1523/jneurosci.1131-13.2013. <http://www.jneurosci.org/content/33/29/11899.abstract>

Rühling, S., Kramer, F., Schmutz, S., Amor, S., Jiangshan, Z., Schmitz, C., . . . Hochstrasser, T. (2018). Visualization of the Breakdown of the Axonal Transport Machinery: a Comparative

Ultrastructural and Immunohistochemical Approach. [journal article]. Molecular Neurobiology. doi: 10.1007/s12035-018-1353-9. <https://doi.org/10.1007/s12035-018-1353-9>

Ruiz, C. M., Torrens, A., Castillo, E., Perrone, C. R., Cevallos, J., Inshishian, V. C., . . . Mahler, S. V. (2020). Pharmacokinetic, behavioral, and brain activity effects of Δ^9 -tetrahydrocannabinol in adolescent male and female rats. Neuropsychopharmacology. doi: 10.1038/s41386-020-00839-w. <https://doi.org/10.1038/s41386-020-00839-w>

Ruiz, D., Regnier, S. M., Kirkley, A. G., Hara, M., Haro, F., Aldirawi, H., . . . Sargis, R. M. (2019). Developmental Exposure to the Endocrine Disruptor Tolyfluanid Induces Sex-Specific Later-Life Metabolic Dysfunction. Reproductive Toxicology. doi: <https://doi.org/10.1016/j.reprotox.2019.06.010>. <http://www.sciencedirect.com/science/article/pii/S0890623819301315>

Ruiz, M., Perez-Garcia, G., Ortiz-Virumbrales, M., Méneret, A., Morant, A., Kottwitz, J., . . . Ehrlich, M. E. (2015). Abnormalities of motor function, transcription and cerebellar structure in mouse models of THAP1 dystonia. Human Molecular Genetics. doi: 10.1093/hmg/ddv384. <http://hmg.oxfordjournals.org/content/early/2015/09/15/hmg.ddv.384.abstract>

Rumpel, R., Alam, M., Schwarz, L. M., Ratzka, A., Jin, X., Krauss, J. K., . . . Schwabe, K. (2017). Neuronal firing activity in the basal ganglia after striatal transplantation of dopamine neurons in hemiparkinsonian rats. Neuroscience. doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.07.069>. <http://www.sciencedirect.com/science/article/pii/S0306452217305559>

Runeberg-Roos, P., Piccinini, E., Penttinen, A.-M., Mätlik, K., Heikkinen, H., Kuure, S., . . . Saarma, M. (2016). Developing therapeutically more efficient Neurturin variants for treatment of Parkinson's disease. Neurobiology of Disease. doi: <http://dx.doi.org/10.1016/j.nbd.2016.07.008>. <http://www.sciencedirect.com/science/article/pii/S096999611630167X>

Runyan, J. D., & Dash, P. K. (2004). Intra-medial prefrontal administration of SCH-23390 attenuates ERK phosphorylation and long-term memory for trace fear conditioning in rats. Neurobiology of Learning and Memory, 82(2), 65-70. doi.

Runyan, J. D., Moore, A. N., & Dash, P. K. (2004). A Role for Prefrontal Cortex in Memory Storage for Trace Fear Conditioning. Journal of Neuroscience, 24(6), 1288-1295. doi: 10.1523/jneurosci.4880-03.2004. <http://www.jneurosci.org/cgi/content/abstract/24/6/1288>

Ruoss, C., Tadros, A., O'Shea, T., McFarlane, J., & Almahbobi, G. (2009). Ovarian follicle development in Booroola sheep exhibiting impaired bone morphogenetic protein signalling pathway. Reproduction, 138(4), 689-689. doi.

Rupp, N. J., Wegenast-Braun, B. M., Radde, R., Calhoun, M. E., & Jucker, M. (2010). Early onset amyloid lesions lead to severe neuritic abnormalities and local, but not global neuron loss in APPPS1 transgenic mice. Neurobiology of Aging. doi.

Russmann, V., Goc, J., Boes, K., Ongerth, T., Salvamoser, J. D., Siegl, C., & Potschka, H. (2016). Minocycline fails to exert antiepileptogenic effects in a rat status epilepticus model. *European Journal of Pharmacology*, 771, 29-39.

doi: <http://dx.doi.org/10.1016/j.ejphar.2015.12.002>.

<http://www.sciencedirect.com/science/article/pii/S0014299915303976>

Rutherford, J. N., Victoria, A. d., Ragsdale, H. B., Avila, J. L., Lee, N. R., & Kuzawa, C. W. (2019). Global population variation in placental size and structure: Evidence from Cebu, Philippines. *Placenta*, 85, 40-48.

doi: <https://doi.org/10.1016/j.placenta.2019.08.076>. <http://www.sciencedirect.com/science/article/pii/S0143400419305971>

Rutten, B. P. F., Brasnjevic, I., Steinbusch, H. W. M., & Schmitz, C. (2010). Caloric restriction and aging but not overexpression of SOD1 affect hippocampal volumes in mice. *Mechanisms of Ageing and Development*, 131(9), 574-579. doi.

Rutten, B. P. F., Kolk, N. M. V. d., Schafer, S., Zandvoort, M. A. M. J. v., Bayer, T. A., Steinbusch, H. W. M., & Schmitz, C. (2005). Age-Related Loss of Synaptophysin Immunoreactive Presynaptic Boutons within the Hippocampus of APP751SL, PS1M146L, and APP751SL/PS1M146L Transgenic Mice *American Journal of Pathology*, 167, 161-173. doi.

Rutten, B. P. F., Schmitz, C., Gerlach, O. H. H., Oyen, H. M., de Mesquita, E. B., Steinbusch, H. W. M., & Korr, H. (2007). The aging brain: Accumulation of DNA damage or neuron loss? *Neurobiology of Aging*, 28(1), 91-98. doi.

Rutten, B. P. F., Wirths, O., Van de Berg, W. D. J., Lichtenthaler, S. F., Vehoff, J., Steinbusch, H. W. M., . . . others. (2003). No alterations of hippocampal neuronal number and synaptic bouton number in a transgenic mouse model expressing the [beta]-cleaved C-terminal APP fragment. *Neurobiology of Disease*, 12(2), 110-120. doi.

Rutten-Jacobs, L. C. A., de Leeuw, F. E., Geurts-van Bon, L., Gordinou de Gouberville, M. C., Schepens-Franke, A. N., Dederen, P. J., . . . Kiliaan, A. J. (2011). White Matter Lesions Are Not Related to β

-Amyloid Deposition in an Autopsy-Based Study. *Current Gerontology and Geriatrics Research*, 2011. doi.

Rygiel, K. A., Grady, J. P., & Turnbull, D. M. (2014). Respiratory chain deficiency in aged spinal motor neurons. *Neurobiology of Aging*, (0).

doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2014.02.027>.

<http://www.sciencedirect.com/science/article/pii/S0197458014002334>

Rygiel, K. A., Miller, J., Grady, J. P., Rocha, M. C., Taylor, R. W., & Turnbull, D. M. (2014). Mitochondrial and inflammatory changes in sporadic Inclusion Body Myositis. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi:

10.1111/nan.12149. <http://dx.doi.org/10.1111/nan.12149>

Rymar, V. V., & Sadikot, A. F. (2007). Laminar fate of cortical GABAergic interneurons is dependent on both birthdate and phenotype. *Journal of Comparative Neurology*, 501(3), 369-380. doi.

Rymar, V. V., Sasseville, R., Luk, K. C., & Sadikot, A. F. (2004). Neurogenesis and stereological morphometry of calretinin-immunoreactive GABAergic interneurons of the neostriatum. *Journal of Comparative Neurology*, 469(3), 325-339. doi.

Ryu, H., Lee, J., Hagerty, S. W., Soh, B. Y., McAlpin, S. E., Cormier, K. A., . . . Ferrante, R. J. (2006). ESET/SETDB1 gene expression and histone H3 (K9) trimethylation in Huntington's disease. *Proceedings of the National Academy of Sciences*, 103(50), 19176-19181. doi: 10.1073/Proceedings of the National Academy of Sciences.0606373103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/50/19176>

Ryu, H., Smith, K., Camelo, S. I., Carreras, I., Lee, J., Iglesias, A. H., . . . Ferrante, R. J. (2005). Sodium phenylbutyrate prolongs survival and regulates expression of anti-apoptotic genes in transgenic amyotrophic lateral sclerosis mice. *Journal of Neurochemistry*, 93(5), 1087- 1098. doi: doi:10.1111/j.1471-4159.2005.03077.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03077.x>

Ryu, J. K., Kim, J., Cho, S. J., Hatori, K., Nagai, A., Choi, H. B., . . . Kim, S. U. (2004). Proactive transplantation of human neural stem cells prevents degeneration of striatal neurons in a rat model of Huntington disease. *Neurobiology of Disease*, 16(1), 68-77. doi.

Saal, K.-A., Galter, D., Roeber, S., Bähr, M., Tönges, L., & Lingor, P. (2015). Altered Expression of Growth Associated Protein-43 and Rho Kinase in Human Patients with Parkinson's Disease. *Brain Pathology*, n/a-n/a. doi: 10.1111/bpa.12346. <http://dx.doi.org/10.1111/bpa.12346>

Saal, K.-A., Koch, J. C., Tatenhorst, L., Szegő, É. M., Ribas, V. T., Michel, U., . . . Lingor, P. (2014). AAV.shRNA-mediated downregulation of ROCK2 attenuates degeneration of dopaminergic neurons in toxin-induced models of Parkinson's disease in vitro and in vivo. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.09.013>. <http://www.sciencedirect.com/science/article/pii/S096999611400285X>

Saarelainen, T., Hendolin, P., Lucas, G., Koponen, E., Sairanen, M., MacDonald, E., . . . Castren, E. (2003). Activation of the TrkB Neurotrophin Receptor Is Induced by Antidepressant Drugs and Is Required for Antidepressant-Induced Behavioral Effects. *Journal of Neuroscience*, 23(1), 349-357. doi. <http://www.jneurosci.org/cgi/content/abstract/23/1/349>

Sabihi, S., Dong, S. M., Maurer, S. D., Post, C., & Leuner, B. (2017). Oxytocin in the medial prefrontal cortex attenuates anxiety: Anatomical and receptor specificity and mechanism of action. *Neuropharmacology*. doi: <https://doi.org/10.1016/j.neuropharm.2017.06.024>. <http://www.sciencedirect.com/science/article/pii/S0028390817302976>

Sabirzhanov, B., Stoica, B. A., Zhao, Z., Loane, D. J., Wu, J., Dorsey, S. G., & Faden, A. I. (2015). miR-711 upregulation induces neuronal cell death after traumatic brain injury. [Original Paper]. *Cell Death and Differentiation*. doi: 10.1038/cdd.2015.132. <http://dx.doi.org/10.1038/cdd.2015.132>

Sabirzhanov, B., Zhao, Z., Stoica, B. A., Loane, D. J., Wu, J., Borroto, C., . . . Faden, A. I. (2014). Downregulation of miR-23a and miR-27a following Experimental Traumatic Brain Injury Induces Neuronal Cell Death through Activation of Proapoptotic Bcl-2 Proteins. *The Journal of Neuroscience*, 34(30), 10055-10071. doi: <http://www.jneurosci.org/content/34/30/10055.short>

Sabitha, K. R., Sanjay, D., Savita, B., Raju, T. R., & Laxmi, T. R. (2016). Electrophysiological characterization of Nsc-34 cell line using Microelectrode Array. *Journal of the Neurological Sciences*, 370, 134-139. doi: <http://dx.doi.org/10.1016/j.jns.2016.09.038>, <http://www.sciencedirect.com/science/article/pii/S0022510X16306037>

Sacco, C. B., Tardif, E., Genoud, C., Probst, A., Tolnay, M., Janzer, R. C., . . . Clarke, S. (2009). GABA receptor subunits in human auditory cortex in normal and stroke cases. *Acta Neurobiologiae Experimentalis*, 69(4), 469-493. doi:

Sack, M., Lenz, J. N., Jakovcevski, M., Biedermann, S. V., Falfán-Melgoza, C., Deussing, J., . . . Auer, M. K. (2016). Early effects of a high-caloric diet and physical exercise on brain volumetry and behavior: a combined MRI and histology study in mice. [journal article]. *Brain Imaging and Behavior*, 1-12. doi: 10.1007/s11682-016-9638-y. <http://dx.doi.org/10.1007/s11682-016-9638-y>

Sadananda, M., Wöhr, M., & Schwarting, R. K. W. (2008). Playback of 22-kHz and 50-kHz ultrasonic vocalizations induces differential c-fos expression in rat brain. *Neuroscience Letters*, 435(1), 17-23. doi:

Sadasivan, S., Pond, B. B., Pani, A. K., Qu, C., Jiao, Y., & Smeyne, R. J. (2012). Methylphenidate Exposure Induces Dopamine Neuron Loss and Activation of Microglia in the Basal Ganglia of Mice. *PLoS ONE*, 7(3), e33693. doi: 10.1371/journal.pone.0033693. <http://dx.doi.org/10.1371%2Fjournal.pone.0033693>

Saddic, L. A., Howard-Quijano, K., Kipke, J., Kubo, Y., Dale, E. A., Hoover, D. B., . . . Mahajan, A. (2018). Progression of myocardial ischemia leads to unique changes in immediate early gene expression in the spinal cord dorsal horn. *American Journal of Physiology-Heart and Circulatory Physiology*, 0(0), null. doi: 10.1152/ajpheart.00337.2018. <https://www.physiology.org/doi/abs/10.1152/ajpheart.00337.2018>

Sadgrove, M. P., Chad, J. E., & Gray, W. P. (2005). Kainic acid induces rapid cell death followed by transiently reduced cell proliferation in the immature granule cell layer of rat organotypic hippocampal slice cultures. *Brain Research*, 1035(2), 111-119. doi:

Sadgrove, M. P., Laskowski, A., & Gray, W. P. (2006). Examination of granule layer cell count, cell density, and single-pulse brdu incorporation in rat organotypic hippocampal slice

cultures with respect to culture medium, septotemporal position, and time in vitro. *Journal of Comparative Neurology*, 497(3), 397-415. doi.

Sadikot, A. F., Leung, K., Mittal, S., Rymar, V. V., Alonso-Vanegas, M., & Luk, K. C. (2005). Anterograde Trophic Mechanisms Participate in Pattern Formation in the Striatum: A Role for BDNF in Glutamatergic Afferents. *Advances in Behavioral Biology, The Basal Ganglia VIII*, Section III doi.

Sadowski, R. N., Wise, L. M., Park, P. Y., Schantz, S. L., & Juraska, J. M. (2014). Early exposure to bisphenol A alters neuron and glia number in the rat prefrontal cortex of adult males, but not females. *Neuroscience*, (0).
doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.08.038>.
<http://www.sciencedirect.com/science/article/pii/S0306452214007155>

Sağır, D., Kuruoğlu, E., Onger, M. E., & Yazar, E. (2019). The Effects of folic acid and topiramate on peripheral nerve regeneration. *Biotechnic and Histochemistry*, 1-8. doi: 10.1080/10520295.2019.1637022. <https://doi.org/10.1080/10520295.2019.1637022>

Sahin, A., Aslan, A., Baş, O., İkinci, A., Özyılmaz, C., Fikret Sönmez, O., . . . Odacı, E. (2015). Deleterious impacts of a 900 MHz electromagnetic field on hippocampal pyramidal neurons of 8-week-old Sprague Dawley male rats. *Brain Research*.
doi: <http://dx.doi.org/10.1016/j.brainres.2015.07.042>.
<http://www.sciencedirect.com/science/article/pii/S0006899315005867>

Saini, S., Jacob, T. G., Bhardwaj, D. N., & Roy, T. S. (2015). Age-related changes in the ductular system and stellate cells of human pancreas. *Journal of the Anatomical Society of India*, 64(2), 143-150.
doi: <http://dx.doi.org/10.1016/j.jasi.2015.10.011>.
<http://www.sciencedirect.com/science/article/pii/S0003277815004414>

Saini, V., Loers, G., Kaur, G., Schachner, M., & Jakovcevski, I. (2016). Impact of neural cell adhesion molecule deletion on regeneration after mouse spinal cord injury. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.13271.
<http://dx.doi.org/10.1111/ejn.13271>

Saint-Pierre, M., Tremblay, M.-E., Sik, A., Gross, R. E., & Cicchetti, F. (2006). Temporal effects of paraquat/maneb on microglial activation and dopamine neuronal loss in older rats. *Journal of Neurochemistry*, 98(3), 760-772. doi: doi:10.1111/j.1471-4159.2006.03923.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.03923.x>

Sairanen, M., Lucas, G., Ernfors, P., Castren, M., & Castren, E. (2005). Brain-Derived Neurotrophic Factor and Antidepressant Drugs Have Different But Coordinated Effects on Neuronal Turnover, Proliferation, and Survival in the Adult Dentate Gyrus. *Journal of Neuroscience*, 25(5), 1089-1094.
doi: <http://www.jneurosci.org/cgi/content/abstract/25/5/1089>

Sairanen, M., O'Leary, O. F., Knuuttila, J. E., & Castren, E. (2007). Chronic antidepressant treatment selectively increases expression of plasticity-related proteins in the hippocampus and medial prefrontal cortex of the rat. *Neuroscience*, 144(1), 368-374. doi.

Sajdel-Sulkowska, E. M., Nguon, K., Sulkowski, Z. L., & Lipinski, B. (2007). Potential role of oxidative stress in mediating the effect of altered gravity on the developing rat cerebellum. *Advances in Space Research*, 40(9), 1414-1420. doi.

Sajdel-Sulkowska, E. M., Nguon, K., Sulkowski, Z. L., Rosen, G. D., & Baxter, M. G. (2005). Purkinje cell loss accompanies motor impairment in rats developing at altered gravity. *Neuroreport*, 16(18), 2037-2037. doi.

Sajdyk, T. J., Johnson, P. L., Leitermann, R. J., Fitz, S. D., Dietrich, A., Morin, M., . . . Shekhar, A. (2008). Neuropeptide Y in the Amygdala Induces Long-Term Resilience to Stress-Induced Reductions in Social Responses But Not Hypothalamic-Adrenal-Pituitary Axis Activity or Hyperthermia. *Journal of Neuroscience*, 28(4), 893-903. doi: 10.1523/jneurosci.0659-07.2008.
<http://www.jneurosci.org/cgi/content/abstract/28/4/893>

Sakai, T., Sasaki, M., Kataoka-Sasaki, Y., Oka, S., Nakazaki, M., Fukumura, S., . . . Honmou, O. (2018). Functional recovery after the systemic administration of mesenchymal stem cells in a rat model of neonatal hypoxia-ischemia. *Journal of Neurosurgery: Pediatrics*, 0(0), 1-10. doi: 10.3171/2018.5.peds1845.
<http://thejns.org/doi/abs/10.3171/2018.5.PEDS1845>

Sakata, H., Narasimhan, P., Niizuma, K., Maier, C. M., Wakai, T., & Chan, P. H. (2012). Interleukin 6-preconditioned neural stem cells reduce ischaemic injury in stroke mice. *Brain*, 135(11), 3298-3310. doi: 10.1093/brain/aws259. <http://brain.oxfordjournals.org/content/135/11/3298.abstract>

Sakata, H., Niizuma, K., Yoshioka, H., Kim, G. S., Jung, J. E., Katsu, M., . . . Chan, P. H. (2012). Minocycline-Preconditioned Neural Stem Cells Enhance Neuroprotection after Ischemic Stroke in Rats. *Journal of Neuroscience*, 32(10), 3462-3473. doi: 10.1523/jneurosci.5686-11.2012.
<http://www.jneurosci.org/content/32/10/3462.abstract>

Sakata, K., Woo, N. H., Martinowich, K., Greene, J. S., Schloesser, R. J., Shen, L., & Lu, B. (2009). Critical role of promoter IV-driven BDNF transcription in GABAergic transmission and synaptic plasticity in the prefrontal cortex. *Proceedings of the National Academy of Sciences*, 106(14), 5942-5947. doi: 10.1073/Proceedings of the National Academy of Sciences.0811431106. <http://www.Proceedings of the National Academy of Sciences.org/content/106/14/5942.abstract>

Sakurai, A., Atkins, C. M., Alonso, O. F., Bramlett, H. M., & Dietrich Iii, W. D. (2012). Mild Hyperthermia Worsens the Neuropathological Damage Associated with Mild Traumatic Brain Injury in Rats. *Journal of Neurotrauma*, (ja). doi.

Salaj, M., Druga, R., Cerman, J., Kubová, H., & Barinka, F. (2015). Calretinin and parvalbumin immunoreactive interneurons in the retrosplenial cortex of the rat brain: Qualitative and quantitative analyses. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2015.09.031>.
<http://www.sciencedirect.com/science/article/pii/S0006899315007295>

Salama, M., ElDakroory, S. A. E. A., ElTantawy, D., Ghanem, A. A., Elhusseiny, M., & ElHak, S. G. (2012). Regenerative Effects of Umbilical Cord Matrix Cells (UCMCs) in a rodent model of rotenone neurotoxicity. *Environmental Toxicology and Pharmacology*. doi.

- Salama, M., & Mohamed, W. M. Y. (2016). Tau protein as a biomarker for asphyxia: A possible forensic tool? *Applied & Translational Genomics*. doi: <http://dx.doi.org/10.1016/j.atg.2016.03.001>. <http://www.sciencedirect.com/science/article/pii/S221206611630014X>
- Salazar, D. L., Uchida, N., Hamers, F. P. T., Cummings, B. J., & Anderson, A. J. (2010). Human neural stem cells differentiate and promote locomotor recovery in an early chronic spinal cord injury NOD-scid mouse model. *PLoS ONE*, 5(8), e12272-e12272. doi.
- Salazar, J. E., Severin, D., Vega-Zuniga, T., Fernández-Aburto, P., Deichler, A., Sallaberry, A. M., & Mpodozis, J. (2019). Anatomical Specializations Related to Foraging in the Visual System of a Nocturnal Insectivorous Bird, the Band-Winged Nightjar (Aves: Caprimulgiformes). *Brain, Behavior and Evolution*. doi: 10.1159/000504162. <https://www.karger.com/DOI/10.1159/000504162>
- Salazar, S. V., Gallardo, C., Kaufman, A. C., Herber, C. S., Haas, L. T., Robinson, S., . . . Strittmatter, S. M. (2017). Conditional Deletion of *Prnp* Rescues Behavioral and Synaptic Deficits after Disease Onset in Transgenic Alzheimer's Disease. [10.1523/JNEUROSCI.0722- 17.2017]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2017/08/21/JNEUROSCI.0722-17.2017..>
- Saldana, E., Vinuela, A., Marshall, A. F., Fitzpatrick, D. C., & Aparicio, M. A. (2007). The TLC: A Novel Auditory Nucleus of the Mammalian Brain. *Journal of Neuroscience*, 27(48), 13108- 13116. doi: 10.1523/jneurosci.1892-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/48/13108>
- Sale, A., Cenni, M. C., Ciucci, F., Putignano, E., Chierzi, S., & Maffei, L. (2007). Maternal enrichment during pregnancy accelerates retinal development of the fetus. *PLoS ONE*, 2(11), e1160-e1160. doi.
- Salem, N., Moriguchi, T., Greiner, R. S., McBride, K., Ahmad, A., Catalan, J. N., & Slotnick, B. (2001). Alterations in brain function after loss of docosahexaenoate due to dietary restriction of n-3 fatty acids. *Journal of Molecular Neuroscience*, 16(2), 299-307. doi.
- Salewski, R. P., Mitchell, R. A., Shen, C., & Fehlings, M. G. (2014). Transplantation of Neural Stem Cells Clonally Derived from Embryonic Stem Cells Promotes Recovery of the Injured Mouse Spinal Cord. *Stem Cells and Development*, (ja). doi. <http://online.liebertpub.com/doi/abs/10.1089/scd.2014.0096>
- Sallon, C., Soulet, D., Provost, P. R., & Tremblay, Y. (2015). Automated High Performance Analysis of Lung Morphometry. *American Journal of Respiratory Cell and Molecular Biology*. doi: 10.1165/rcmb.2014-0469MA. <http://dx.doi.org/10.1165/rcmb.2014-0469MA>
- Salmaso, N., Dominguez, M., Kravitz, J., Komitova, M., Vaccarino, F. M., & Schwartz, M. L. (2015). Contribution of maternal oxygenic state to the effects of chronic postnatal hypoxia on mouse body and brain development. *Neuroscience Letters*, 604, 12-17. doi: <http://dx.doi.org/10.1016/j.neulet.2015.07.033>. <http://www.sciencedirect.com/science/article/pii/S0304394015300537>

Salmaso, N., Silbereis, J., Komitova, M., Mitchell, P., Chapman, K., Ment, L. R., . . . Vaccarino, F. M. (2012). Environmental Enrichment Increases the GFAP+ Stem Cell Pool and Reverses Hypoxia-Induced Cognitive Deficits in Juvenile Mice. *Journal of Neuroscience*, 32(26), 8930- 8939. doi: 10.1523/jneurosci.1398-12.2012. <http://www.jneurosci.org/content/32/26/8930.abstract>

Saluja, I., Paulson, H., Gupta, A., & Turner, R. S. (2009). X11alpha haploinsufficiency enhances Abeta amyloid deposition in Alzheimer's disease transgenic mice. *Neurobiology of Disease*, 36(1), 162-168. doi.

Salvi, R., Steigleder, T., Schlachetzki, J. C., Waldmann, E., Winner, B., Schwab, S., . . . Kohl, Z. (2016). Distinct effects of chronic dopaminergic stimulation on hippocampal neurogenesis and striatal doublecortin expression in adult mice. [Original Research]. *Frontiers in Neuroscience*, 10. doi: 10.3389/fnins.2016.00077. <http://www.frontiersin.org/Journal/Abstract.aspx?s=748&name= neurogenesis...>

Salzberg-Brenhouse, H. C., Chen, E.-Y., Emerich, D. F., Baldwin, S., Hogeland, K., Ranelli, S., . . . Bartus, R. T. (2003). Inhibitors of Cyclooxygenase-2, but Not Cyclooxygenase-1 Provide Structural and Functional Protection against Quinolinic Acid-Induced Neurodegeneration. *Journal of Pharmacology and Experimental Therapeutics*, 306(1), 218-228. doi.

Sampaio-Baptista, C., Khrapitchev, A. A., Foxley, S., Schlagheck, T., Scholz, J., Jbabdi, S., . . . Thomas, N. (2013). Motor Skill Learning Induces Changes in White Matter Microstructure and Myelination. *The Journal of Neuroscience*, 33(50), 19499-19503. doi. <http://jneurosci.tea-for-sale.com/content/33/50/19499.full>

Sampson, C. M., Dimet, A. L., Neelakantan, H., Ogunseye, K. O., Stevenson, H. L., Hommel, J. D., & Watowich, S. J. (2021). Combined nicotinamide N-methyltransferase inhibition and reduced-calorie diet normalizes body composition and enhances metabolic benefits in obese mice. *Scientific Reports*, 11(1), 5637. doi: 10.1038/s41598-021-85051-6. <https://doi.org/10.1038/s41598-021-85051-6>

Samsel, P. A., Kisiswa, L., Erichsen, J. T., Cross, S. D., & Morgan, J. E. (2011). A novel method for the induction of experimental glaucoma using magnetic microspheres. *Investigative Ophthalmology and Visual Science*, 52(3), 1671-1675. doi.

Sanchez, C. E., Tierney, T. S., Gale, J. T., Alavian, K. N., Sahin, A., Lee, J. S., . . . Carter, B. S. (2011). Recombinant adeno-associated virus type 2 pseudotypes: comparing safety, specificity, and transduction efficiency in the primate striatum. *Journal of Neurosurgery*, 114(3), 672-680. doi.

Sánchez-Pernaute, R., Ferree, A., Cooper, O., Yu, M., Brownell, A.-L., & Isacson, O. (2004). Selective COX-2 inhibition prevents progressive dopamine neuron degeneration in a rat model of Parkinson's disease. *Journal of Neuroinflammation*, 1(1), 6. doi. <http://www.jneuroinflammation.com/content/1/1/6>

Sanchez-Pernaute, R., Lee, H., Patterson, M., Reske-Nielsen, C., Yoshizaki, T., Sonntag, K. C., . . . Isacson, O. (2008). Parthenogenetic dopamine neurons from primate embryonic stem cells

restore function in experimental Parkinson's disease. *Brain*, 131(8), 2127-2139. doi: 10.1093/brain/awn144. <http://brain.oxfordjournals.org/cgi/content/abstract/131/8/2127>

Sánchez-Pernaute, R., Studer, L., Bankiewicz, K. S., Major, E. O., & McKay, R. D. G. (2001). In vitro generation and transplantation of precursor-derived human dopamine neurons. *Journal of Neuroscience Research*, 65(4), 284-288. doi.

Sanchez-Pernaute, R., Studer, L., Ferrari, D., Perrier, A., Lee, H., Vinuela, A., & Isacson, O. (2005). Long-Term Survival of Dopamine Neurons Derived from Parthenogenetic Primate Embryonic Stem Cells (Cyno-1) After Transplantation. *Stem Cells*, 23(7), 914-922. doi: 10.1634/stemcells.2004-0172. <http://stemcells.alphamedpress.org/cgi/content/abstract/23/7/914>

Sánchez-Puelles, C., Calleja-Felipe, M., Ouro, A., Bougamra, G., Arroyo, A., Diez, I., . . . Knafo, S. (2019). PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. *Cerebral Cortex*. doi: 10.1093/cercor/bhz103. <https://doi.org/10.1093/cercor/bhz103>

Sanchez-Vidaña, D. I., Chan Jackie, N.-M., Chan Alan, H. L., Hui Katy, K. Y., Lee, S., Chan, H.-Y., . . . Lai Cynthia, Y. Y. (2016). Repeated treatment with oxytocin promotes hippocampal cell proliferation, dendritic maturation and affects socio-emotional behavior. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.07.005>. <http://www.sciencedirect.com/science/article/pii/S0306452216303013>

Sánchez-Vidaña, D. I., Po, K. K.-T., Fung, T. K.-H., Chow, J. K.-W., Lau, W. K.-W., So, P.-K., . . . Tsang, H. W.-H. (2019). Lavender essential oil ameliorates depression-like behavior and increases neurogenesis and dendritic complexity in rats. *Neuroscience Letters*, 701, 180-192. doi: <https://doi.org/10.1016/j.neulet.2019.02.042>. <http://www.sciencedirect.com/science/article/pii/S0304394019301429>

Sanders, C. T., Sanchez, N., Ballantyne, J., & Peterson, D. A. (2006). Laser microdissection separation of pure spermatozoa from epithelial cells for short tandem repeat analysis. [PMID: 16882215]. *Journal of Forensic Science*, 51(4), 748-757. doi.

Sanders, S. S., Parsons, M. P., Mui, K. K. N., Southwell, A. L., Franciosi, S., Cheung, D., . . . Hayden, M. R. (2016). Sudden death due to paralysis and synaptic and behavioral deficits when *Hip14/Zdhc17* is deleted in adult mice. [journal article]. *BMC biology*, 14(1), 108. doi: 10.1186/s12915-016-0333-7. <http://dx.doi.org/10.1186/s12915-016-0333-7>

Sanderson, N. S. R., Le, B., Zhou, Z., & Crews, D. (2008). Preoptic neuronal nitric oxide synthase induction by testosterone is consistent with a role in gating male copulatory behavior. *European Journal of Neuroscience*, 27(1), 183-190. doi: doi:10.1111/j.1460-9568.2007.05989.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05989.x>

Sanderson, N. S. R., Le, B. D., & Crews, D. (2006). Testosterone induction of male-typical sexual behavior is associated with increased preoptic NADPH diaphorase and citrulline production in female whiptail lizards. *Journal of Neurobiology*, 66(10), 1156-1163. doi.

Sandhu, M. S., Ross, H. H., Lee, K. Z., Ormerod, B. K., Reier, P. J., & Fuller, D. D. (2016). Intraspinal transplantation of subventricular zone-derived neural progenitor cells improves phrenic motor output after high cervical spinal cord injury. *Experimental Neurology*.

doi: <http://dx.doi.org/10.1016/j.expneurol.2016.06.007>.

<http://www.sciencedirect.com/science/article/pii/S0014488616301728>

Sandoval, D. A., Bagnol, D., Woods, S. C., D'Alessio, D. A., & Seeley, R. J. (2008). Arcuate glucagon-like peptide 1 receptors regulate glucose homeostasis but not food intake. *Diabetes*, 57(8), 2046-2054. doi.

Sandoval-Guzman, T., Stalcup, S. T., Krajewski, S. J., Voytko, M. L., & Rance, N. E. (2004). Effects of Ovariectomy on the Neuroendocrine Axes Regulating Reproduction and Energy Balance in Young Cynomolgus Macaques. *Journal of Neuroendocrinology*, 16(2), 146-153. doi: doi:10.1111/j.0953-8194.2004.01143.x.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.0953-8194.2004.01143.x>

Sanftner, L. M., Sommer, J. M., Suzuki, B. M., Smith, P. H., Vijay, S., Vargas, J. A., . . . others. (2005). AAV2-mediated gene delivery to monkey putamen: evaluation of an infusion device and delivery parameters. *Experimental Neurology*, 194(2), 476-483. doi.

Sanftner, L. M., Suzuki, B. M., Doroudchi, M. M., Feng, L., McClelland, A., Forsayeth, J. R., & Cunningham, J. (2003). Striatal Delivery of rAAV-hAADC to Rats with Preexisting Immunity to AAV. *Molecular Therapy*, 9, 403-409. doi.

Sang, Y. H., Su, H. X., Wu, W. T., So, K. F., & Cheung, R. T. F. (2011). Elevated Blood Pressure Aggravates Intracerebral Hemorrhage-Induced Brain Injury. *Journal of Neurotrauma*. doi.

Sangwan, M., McCurdy, S. R., Livne-Bar, I., Ahmad, M., Wrana, J. L., Chen, D., & Bremner, R. (2012). Established and new mouse models reveal E2f1 and Cdk2 dependency of retinoblastoma, and expose effective strategies to block tumor initiation. *Oncogene*. doi.

Sano, K., Matsukami, H., Suzuki, G., Htike, N. T. T., Morishita, M., Win-Shwe, T.-T., . . . Maekawa, F. (2020). Estrogenic action by tris(2,6-dimethylphenyl) phosphate impairs the development of female reproductive functions. *Environment International*, 138, 105662.

doi: <https://doi.org/10.1016/j.envint.2020.105662>. <http://www.sciencedirect.com/science/article/pii/S0160412019349165>

Sano, K., Nakata, M., Musatov, S., Morishita, M., Sakamoto, T., Tsukahara, S., & Ogawa, S. (2016). Pubertal activation of estrogen receptor α in the medial amygdala is essential for the full expression of male social behavior in mice. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1524907113.

<http://www.pnas.org/content/early/2016/06/17/1524907113.abstract>

Sansevero, G., Baroncelli, L., Scali, M., & Sale, A. (2018). Intranasal BDNF administration promotes visual function recovery in adult amblyopic rats. *Neuropharmacology*.

doi: <https://doi.org/10.1016/j.neuropharm.2018.02.006>.

<http://www.sciencedirect.com/science/article/pii/S0028390818300637>

SantaCruz, K., Lewis, J., Spires, T., Paulson, J., Kotilinek, L., & Ingelsson, M. (2005). Tau suppression in a neurodegenerative mouse model improves memory function. *Science*, 309. doi: 10.1126/science.1113694. <http://dx.doi.org/10.1126/science.1113694>

Santana, M., Palmér, T., Simplicio, H., Fuentes, R., & Petersson, P. (2015). Characterization of long-term motor deficits in the 6-OHDA model of Parkinson's disease in the common marmoset. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2015.04.037>.
<http://www.sciencedirect.com/science/article/pii/S0166432815002867>

Santarelli, L., Saxe, M., Gross, C., Surget, A., Battaglia, F., Dulawa, S., . . . Hen, R. (2003). Requirement of Hippocampal Neurogenesis for the Behavioral Effects of Antidepressants. *Science*, 301, 805-809. doi.

Santos, M., Bastos, P., Gonzaga, S., Roriz, J.-M., Baptista, M. J., Nogueira-Silva, C., . . . Correia- Pinto, J. (2006). Ghrelin Expression in Human and Rat Fetal Lungs and the Effect of Ghrelin Administration in Nitrofen-Induced Congenital Diaphragmatic Hernia. *Pediatric Research*, 59(4 Part 1), 531-537. doi.

Santos, M., Summavielle, T., Teixeira-Castro, A., Silva-Fernandes, A., Duarte-Silva, S., Marques, F., . . . others. (2010). Monoamine deficits in the brain of methyl-CpG binding protein 2 null mice suggest the involvement of the cerebral cortex in early stages of Rett syndrome. *Neuroscience*, 170(2), 453-467. doi.

Santos, M., Uppal, N., Butti, C., Wicinski, B., Schmeidler, J., Giannakopoulos, P., . . . Hof, P. R. (2011). von Economo neurons in autism: A stereologic study of the frontoinsular cortex in children. *Brain Research*, 1380, 206-217. doi.

Santos, V. V., Stark, R., Rial, D., Silva, H. B., Bayliss, J. A., Lemus, M. B., . . . Andrews, Z. B. (2017). Acyl ghrelin improves cognition, synaptic plasticity deficits and neuroinflammation following amyloid beta (A β 1-40) administration in mice. *Journal of Neuroendocrinology*, n/a-n/a. doi: 10.1111/jne.12476. <http://dx.doi.org/10.1111/jne.12476>

Santuy, A., Turégano-López, M., Rodríguez, J. R., Alonso-Nanclares, L., DeFelipe, J., & Merchán-Pérez, A. (2018). A Quantitative Study on the Distribution of Mitochondria in the Neuropil of the Juvenile Rat Somatosensory Cortex. *Cerebral Cortex*, bhy159-bhy159. doi: 10.1093/cercor/bhy159.
<http://dx.doi.org/10.1093/cercor/bhy159>

Sanyal, T., Pradeep, P., Nag, T. C., Roy, T. S., & Wadhwa, S. (2013). Effect of prenatal loud music and noise on total number of neurons and glia, neuronal nuclear area and volume of chick brainstem auditory nuclei, field L and hippocampus: A stereological investigation.

International Journal of Developmental Neuroscience, (0).

doi: <http://dx.doi.org/10.1016/j.ijdevneu.2013.02.004>.
<http://www.sciencedirect.com/science/article/pii/S0736574813000300>

Sareen, D., Gowing, G., Sahabian, A., Staggenborg, K., Paradis, R., Avalos, P., . . . Svendsen, C. N. (2014). Human neural progenitor cells generated from induced pluripotent stem cells can survive, migrate, and integrate in the rodent spinal cord. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23578.
<http://dx.doi.org/10.1002/cne.23578>

Sargin, D., Hassouna, I., Sperling, S., Sirén, A. L., & Ehrenreich, H. (2009). Uncoupling of neurodegeneration and gliosis in a murine model of juvenile cortical lesion. *Glia*, 57(7), 693-702. doi.

Sari, Y., & Zhou, F. C. (2004). Prenatal Alcohol Exposure Causes Long-Term Serotonin Neuron Deficit in Mice. *Alcoholism: Clinical and Experimental Research*, 28(6), 941-948. doi.

Sarin, R. M., Mowery, T. M., & Garraghty, P. E. (2012). AMPA receptor subunit expression in the cuneate nucleus of adult squirrel monkeys after peripheral nerve injury. *Neuroscience Letters*, (0). doi: 10.1016/j.neulet.2012.03.079. <http://www.sciencedirect.com/science/article/pii/S0304394012004776>

Sarkar, A. A., Sabatino, J. A., Sugrue, K. F., & Zohn, I. E. (2015). Abnormal labyrinthine zone in the Hctd1-null placenta. *Placenta*. doi: <http://dx.doi.org/10.1016/j.placenta.2015.12.002>. <http://www.sciencedirect.com/science/article/pii/S0143400415300990>

Sarkey, S., Azcoitia, I., Garcia-Segura, L. M., Garcia-Ovejero, D., & DonCarlos, L. L. (2008). Classical androgen receptors in non-classical sites in the brain. *Hormones and Behavior*, 53(5), 753-764. doi.

Sasaki Russell, J. M., Chinn, G. A., Maharjan, D., Eichbaum, Y., & Sall, J. W. (2019). Female rats are more vulnerable to lasting cognitive impairment after isoflurane exposure on postnatal day 4 than 7. *British Journal of Anaesthesia*. doi: <https://doi.org/10.1016/j.bja.2018.12.008>. <http://www.sciencedirect.com/science/article/pii/S000709121831376X>

Sasaki, T., Piatti, V. C., Hwaun, E., Ahmadi, S., Lisman, J. E., Leutgeb, S., & Leutgeb, J. K. (2018). Dentate network activity is necessary for spatial working memory by supporting CA3 sharp-wave ripple generation and prospective firing of CA3 neurons. *Nature Neuroscience*. doi: 10.1038/s41593-017-0061-5. <https://doi.org/10.1038/s41593-017-0061-5>

Satkunendrarajah, K., Nissiri, F., Karadimas, S. K., Lip, A., Yao, G., & Fehlings, M. G. (2015). Riluzole promotes motor and respiratory recovery associated enhanced neuronal survival and function following high cervical hemisection. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2015.09.011>. <http://www.sciencedirect.com/science/article/pii/S0014488615300935>

Sato, C., Turkoz, M., Dearborn, J. T., Wozniak, D. F., Kopan, R., & Hass, M. R. (2012). Loss of RBPJ in Postnatal Excitatory Neurons Does Not Cause Neurodegeneration or Memory Impairments in Aged Mice. *Plos one*, 7(10), e48180. doi: 10.1371/journal.pone.0048180. <http://dx.doi.org/10.1371%2Fjournal.pone.0048180>

Sato, K., Higuchi, M., Iwata, N., Saido, T. C., & Sasamoto, K. (2004). Fluoro-substituted and ¹³C-labeled styrylbenzene derivatives for detecting brain amyloid plaques. *Eur J Med Chem*, 39. doi: 10.1016/j.ejmech.2004.02.013. <http://dx.doi.org/10.1016/j.ejmech.2004.02.013>

Sato, S., Noda, S., Torii, S., Amo, T., Ikeda, A., Funayama, M., . . . Hattori, N. (2021). Homeostatic p62 levels and inclusion body formation in CHCHD2 knockout mice. *Human Molecular Genetics*, (ddab057). doi: 10.1093/hmg/ddab057.
<https://doi.org/10.1093/hmg/ddab057>

Sato, S. M., Wissman, A. M., McCollum, A. F., & Woolley, C. S. (2011). Quantitative Mapping of Cocaine-Induced FosB Expression in the Striatum of Male and Female Rats. *PLoS ONE*, 6(7), e21783-e21783. doi.

Sato, Y., Shinjyo, N., Sato, M., Osato, K., Zhu, C., Pekna, M., . . . Blomgren, K. (2013). Grafting of neural stem and progenitor cells to the hippocampus of young, irradiated mice causes gliosis and disrupts the granule cell layer. *Cell death & disease*, 4(4), e591. doi.

Satoh, Y., Endo, S., Nakata, T., Kobayashi, Y., Yamada, K., Ikeda, T., . . . Kazama, T. (2011). ERK2 Contributes to the Control of Social Behaviors in Mice. *Journal of Neuroscience*, 31(33), 11953-11967. doi: 10.1523/jneurosci.2349-11.2011. <http://www.jneurosci.org/content/31/33/11953.abstract>

Satoh, Y., Kobayashi, Y., Takeuchi, A., Pages, G., Pouyssegur, J., & Kazama, T. (2011). Deletion of ERK1 and ERK2 in the CNS Causes Cortical Abnormalities and Neonatal Lethality: Erk1 Deficiency Enhances the Impairment of Neurogenesis in Erk2-Deficient Mice. *Journal of Neuroscience*, 31(3), 1149-1155. doi: 10.1523/jneurosci.2243-10.2011. <http://www.jneurosci.org/cgi/content/abstract/31/3/1149>

Sauerhoefer, E., Pamplona, F. A., Bedenk, B., Moll, G. H., Dawirs, R. R., von Hörsten, S., . . . Golub, Y. (2012). Generalization of contextual fear depends on associative rather than non-associative memory components. *Behavioural Brain Research*. doi.

Saunders, J. A. L., Kosloski, L. M., McMillan, J. E. M., Yotam, N., Rinat, T., Mosley, R. L., & Gendelman, H. E. (2011). BL-1023 improves behavior and neuronal survival in 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine-intoxicated mice. *Neuroscience*. doi.

Savage, L. M., Roland, J., & Klintsova, A. (2007). Selective septohippocampal – but not forebrain amygdalar – cholinergic dysfunction in diencephalic amnesia. *Brain Research*, 1139, 210-219. doi.

Savolainen, M. H., Albert, K., Airavaara, M., & Myöhänen, T. T. (2017). Nigral injection of a proteasomal inhibitor, lactacystin, induces widespread glial cell activation and shows various phenotypes of Parkinson's disease in young and adult mouse. [journal article]. *Experimental Brain Research*, 1-14. doi: 10.1007/s00221-017-4962-4
z. <http://dx.doi.org/10.1007/s00221-017-4962-z>

Sawada, M., Kaneko, N., Inada, H., Wake, H., Kato, Y., Yanagawa, Y., . . . Sawamoto, K. (2011). Sensory Input Regulates Spatial and Subtype-Specific Patterns of Neuronal Turnover in the Adult Olfactory Bulb. *Journal of Neuroscience*, 31(32), 11587-11596. doi: 10.1523/jneurosci.0614-11.2011.
<http://www.jneurosci.org/content/31/32/11587.abstract>

Sawamiphak, S., Seidel, S., Essmann, C. L., Wilkinson, G. A., Pitulescu, M. E., Acker, T., & Acker-Palmer, A. (2010). Ephrin-B2 regulates VEGFR2 function in developmental and tumour angiogenesis. *Nature*, 465(7297), 487-491. doi.

Sawant, O. B., Lunde, E. R., Washburn, S. E., Chen, W.-J. A., Goodlett, C. R., & Cudd, T. A. (2012). Different Patterns of Regional Purkinje Cell Loss in the Cerebellar Vermis as a Function of the Timing of Prenatal Ethanol Exposure in an Ovine Model. *Neurotoxicology and Teratology*, (0). doi: <http://dx.doi.org/10.1016/j.ntt.2012.11.001>, <http://www.sciencedirect.com/science/article/pii/S0892036212001742>

Saxe, M. D., Malleret, G., Vronskaya, S., Mendez, I., Garcia, A. D., Sofroniew, M. V., . . . Hen, R. (2007). Paradoxical influence of hippocampal neurogenesis on working memory. *Proceedings of the National Academy of Sciences*, 104(11), 4642-4646. doi: 10.1073/Proceedings of the National Academy of Sciences.0611718104. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/104/11/4642>

Scafidi, S., Racz, J., Hazelton, J., McKenna, M. C., & Fiskum, G. (2010). Neuroprotection by Acetyl-L-Carnitine after Traumatic Injury to the Immature Rat Brain. *Developmental Neuroscience*, 32(5-6), 480-487. doi.

Scattoni, M. L., Gasparini, L., Alleva, E., Goedert, M., Calamandrei, G., & Spillantini, M. G. (2010). Early behavioural markers of disease in P301S tau transgenic mice. *Behavioural Brain Research*, 208. doi: 10.1016/j.bbr.2009.12.002. <http://dx.doi.org/10.1016/j.bbr.2009.12.002>

Schaakxs, D., Kalbermatten, D. F., Pralong, E., Raffoul, W., Wiberg, M., & Kingham, P. J. (2014). Poly-3-hydroxybutyrate strips seeded with regenerative cells are effective promoters of peripheral nerve repair. *Journal of Tissue Engineering and Regenerative Medicine*, n/a-n/a. doi: 10.1002/term.1980. <http://dx.doi.org/10.1002/term.1980>

Schaal, S. M., Garg, M. S., Ghosh, M., Lovera, L., Lopez, M., Patel, M., . . . Pearce, D. D. (2012). The Therapeutic Profile of Rolipram, PDE Target and Mechanism of Action as a Neuroprotectant following Spinal Cord Injury. *Plos one*, 7(9), e43634. doi: 10.1371/journal.pone.0043634. <http://dx.doi.org/10.1371%2Fjournal.pone.0043634>

Schaal, S. M., Kitay, B. M., Cho, K. S., Lo, J., Barakat, D. J., Marcillo, A. E., . . . others. (2007). Schwann cell transplantation improves reticulospinal axon growth and forelimb strength after severe cervical spinal cord contusion. *Cell Transplantation*, 16(3), 207-228. doi.

Schade, J., Schmiedl, A., Kehlen, A., Veres, T. Z., Stephan, M., Pabst, R., & Von Hörsten, S. (2009). Airway-specific recruitment of T cells is reduced in a CD26-deficient F344 rat substrain. *Clinical and Experimental Immunology*, 158(1), 133-142. doi.

Schade, J., Schmiedl, A., Stephan, M., Pabst, R., & von Hörsten, S. (2010). Transferred T cells preferentially adhere in the BALB of CD26-deficient recipient lungs during asthma. *Immunobiology*, 215(4), 321-331. doi.

Schaeffer, E., Cerulli, F., Souza, H. X., Catanozi, S., & Gattaz, W. (2014). Synergistic and additive effects of enriched environment and lithium on the generation of new cells in adult mouse hippocampus. *Journal of Neural Transmission*, 1-12. doi: 10.1007/s00702-014-1175-5. <http://dx.doi.org/10.1007/s00702-014-1175-5>

Schaeffer, E. L., Catanozi, S., West, M. J., & Gattaz, W. F. (2016). Stereological investigation of the CA1 pyramidal cell layer in untreated and lithium-treated 3xTg-AD and wild-type mice. *Annals of Anatomy - Anatomischer Anzeiger*. doi: <http://dx.doi.org/10.1016/j.aanat.2016.10.002>.
<http://www.sciencedirect.com/science/article/pii/S0940960216301753>

Schaeffer, V., Lavenir, I., Ozcelik, S., Tolnay, M., Winkler, D. T., & Goedert, M. (2012). Stimulation of autophagy reduces neurodegeneration in a mouse model of human tauopathy. *Brain*. doi: 10.1093/brain/aws143. <http://brain.oxfordjournals.org/content/early/2012/06/09/brain.aws143.ab...>

Schafferer, S., Khurana, R., Refolo, V., Venezia, S., Sturm, E., Piatti, P., . . . Stefanova, N. (2016). Changes in the miRNA-mRNA Regulatory Network Precede Motor Symptoms in a Mouse Model of Multiple System Atrophy: Clinical Implications. *Plos one*, 11(3), e0150705. doi: 10.1371/journal.pone.0150705.
<http://dx.doi.org/10.1371%2Fjournal.pone.0150705>

Scharfman, H., Goodman, J., Macleod, A., Phani, S., Antonelli, C., & Croll, S. (2005). Increased neurogenesis and the ectopic granule cells after intrahippocampal BDNF infusion in adult rats. *Experimental Neurology*, 192(2), 348-356. doi:

Scharfman, H. E., Sollas, A. L., Berger, R. E., & Goodman, J. H. (2003). Electrophysiological Evidence of Monosynaptic Excitatory Transmission Between Granule Cells After Seizure-Induced Mossy Fiber Sprouting. *Journal of Neurophysiology*, 90(4), 2536-2547. doi: 10.1152/jn.00251.2003. <http://jn.physiology.org/cgi/content/abstract/90/4/2536>

Scharfman, H. E., Sollas, A. L., Smith, K. L., Jackson, M. B., & Goodman, J. H. (2002). Structural and functional asymmetry in the normal and epileptic rat dentate gyrus. *Journal of Comparative Neurology*, 454(4), 424-439. doi:

Scheinert, R. B., Haeri, M. H., Lehmann, M. L., & Herkenham, M. (2016). Therapeutic effects of stress-programmed lymphocytes transferred to chronically stressed mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.pnpbp.2016.04.010>. <http://www.sciencedirect.com/science/article/pii/S0278584616300562>

Schell, H., Boden, C., Chagas, A. M., & Kahle, P. J. (2012). Impaired c-Fos and Polo-Like Kinase 2 Induction in the Limbic System of Fear-conditioned α -Synuclein Transgenic Mice. *Plos one*, 7(11), e50245. doi: 10.1371/journal.pone.0050245. <http://dx.doi.org/10.1371%2Fjournal.pone.0050245>

Schelle, J., Häslér, L., Göpfert, J. C., Joos, T. O., Vanderstichele, H., Stoops, E., . . . Kaeser, S. A. (2016). Prevention of tau increase in cerebrospinal fluid of APP transgenic mice suggests downstream effect of BACE1 inhibition. *Alzheimer's & Dementia*. doi: <http://dx.doi.org/10.1016/j.jalz.2016.09.005>.
<http://www.sciencedirect.com/science/article/pii/S155252601632951X>

Schenker, N. M., Hopkins, W. D., Spocter, M. A., Garrison, A. R., Stimpson, C. D., Erwin, J. M., . . . Sherwood, C. C. (2009). Broca's Area Homologue in Chimpanzees (*Pan troglodytes*):

Probabilistic Mapping, Asymmetry, and Comparison to Humans. *Cerebral Cortex*, bhp138. doi: 10.1093/cercor/bhp138. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhp138v1>

Schenker-Ahmed, N. M., & Annese, J. (2013). Cortical Mapping by Magnetic Resonance Imaging (MRI) and Quantitative Cytological Analysis in the Human Brain: A Feasibility Study in the Fusiform Gyrus. *Journal of Neuroscience Methods*, (0). doi: <http://dx.doi.org/10.1016/j.jneumeth.2013.04.018>.
<http://www.sciencedirect.com/science/article/pii/S0165027013001568>

Schenning, K. J., Noguchi, K. K., Martin, L. D., Manzella, F. M., Cabrera, O. H., Dissen, G. A., & Brambrink, A. M. (2016). Isoflurane exposure leads to apoptosis of neurons and oligodendrocytes in 20- and 40-day old rhesus macaques. *Neurotoxicology and Teratology*. doi: <http://dx.doi.org/10.1016/j.ntt.2016.11.006>.
<http://www.sciencedirect.com/science/article/pii/S0892036216301416>

Schiaffino, L., Bonafede, R., Scambi, I., Parrella, E., Pizzi, M., & Mariotti, R. (2018). Acetylation state of RelA modulated by epigenetic drugs prolongs survival and induces a neuroprotective effect on ALS murine model. *Scientific Reports*, 8(1), 12875. doi: 10.1038/s41598-018-30659-4. <https://doi.org/10.1038/s41598-018-30659-4>

Schild, V. R. (2014). Iso-luminance counterillumination drove bioluminescent shark radiation. doi.

Schilling, G., Klevytska, A., Tebbenkamp, A., Juenemann, K., Cooper, J., Gonzales, V., . . . Borchelt, D. R. (2007). Characterization of Huntingtin Pathologic Fragments in Human Huntington Disease, Transgenic Mice, and Cell Models. *Journal of Neuropathology and Experimental Neurology*, 66(4), 313-320. doi.

Schilling, J., Kassan, A., Mandyam, C., Pearn, M., Voong, A., Grogman, G., . . . Patel, P. (2017). Inhibition of p75 neurotrophin receptor does not rescue cognitive impairment in adulthood after isoflurane exposure in neonatal mice. *BJA: British Journal of Anaesthesia*. doi: <https://academic.oup.com/bja/article-abstract/doi/10.1093/bja/aew299/397...>

Schilling, S., Appl, T., Hoffmann, T., Cynis, H., Schulz, K., Jagla, W., . . . others. (2008). Inhibition of glutaminyl cyclase prevents pGlu-A β formation after intracortical/hippocampal microinjection in vivo/in situ. *Journal of Neurochemistry*, 106(3), 1225-1236. doi.

Schipper, P., Kiliaan, A. J., & Homberg, J. R. (2011). A mixed polyunsaturated fatty acid diet normalizes hippocampal neurogenesis and reduces anxiety in serotonin transporter knockout rats. *Behavioural Pharmacology*, 22(4), 324-324. doi.

Schlachetzki, J. C. M., Grimm, T., Schlachetzki, Z., Ben Abdallah, N. M. B., Ettle, B., Vöhringer, P., . . . Winkler, J. (2015). Dopaminergic lesioning impairs adult hippocampal neurogenesis by distinct modification of α -synuclein. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23677. <http://dx.doi.org/10.1002/jnr.23677>

Schlachetzki, J. C. M., Marxreiter, F., Regensburger, M., Kulinich, A., Winner, B., & Winkler, J. (2014). Increased tyrosine hydroxylase expression accompanied by glial changes within the

non-lesioned hemisphere in the 6-hydroxydopamine model of Parkinson's disease. *Restorative Neurology and Neuroscience*. doi: 10.3233/rnn-130371. <http://dx.doi.org/10.3233/RNN-130371>

Schlesiger, M. I., Cressey, J. C., Boubilil, B., Koenig, J., Melvin, N. R., Leutgeb, J. K., & Leutgeb, S. (2013). Hippocampal activation during the recall of remote spatial memories in radial maze tasks. *Neurobiology of Learning and Memory*, (o). doi: <http://dx.doi.org/10.1016/j.nlm.2013.05.007>.
<http://www.sciencedirect.com/science/article/pii/S1074742713000889>

Schluter, E. W., Hunsaker, M. R., Greco, C. M., Willemsen, R., & Berman, R. F. (2012). Distribution and frequency of intranuclear inclusions in female CGG KI mice modeling the fragile X premutation. *Brain Research*, (o). doi: 10.1016/j.brainres.2012.06.052.
<http://www.sciencedirect.com/science/article/pii/S0006899312011389>

Schmeichel, A. M., Coon, E. A., Parisi, J. E., Singer, W., Low, P. A., & Benarroch, E. E. (2021). Loss of putative GABAergic neurons in the ventrolateral medulla in multiple system atrophy. *Sleep*, (zsab074). doi: 10.1093/sleep/zsab074.
<https://doi.org/10.1093/sleep/zsab074>

Schmeichel, A. M., Gehrking, J. A., Minota, K., Low, P. A., Singer, W., & Mandrekar, J. N. (2019). Refined Quantitation of Sweat Gland Innervation. doi: 10.1093/jnen/nlz015. <https://doi.org/10.1093/jnen/nlz015>

Schmid, F., Wachsmuth, L., Schwalm, M., Prouvot, P.-H., Jubal, E. R., Fois, C., . . . Stroh, A. (2015). Assessing sensory versus optogenetic network activation by combining (o)fMRI with optical Ca²⁺ recordings. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x15619428.
<http://jcb.sagepub.com/content/early/2015/11/30/0271678X15619428.abstract>

Schmidt, C., Fischer, T., Rückert, R.-I., Oberwahrenbrock, T., Harms, L., Kronenberg, G., & Kunte, H. (2017). Identification of neovascularization by contrast-enhanced ultrasound to detect unstable carotid stenosis. *Plos one*, 12(4), e0175331. doi: 10.1371/journal.pone.0175331. <https://doi.org/10.1371/journal.pone.0175331>

Schmidt, M. L., Zhukareva, V., Perl, D. P., Sheridan, S. K., Schuck, T., Lee, V. M. Y., & Trojanowski, J. Q. (2001). Spinal cord neurofibrillary pathology in Alzheimer disease and Guam parkinsonism-dementia complex. *Journal of Neuropathology and Experimental Neurology*, 60(11), 1075-1075. doi:

Schmiedl, A., Behrens, J., Zscheppang, K., Purevdorj, E., von Mayersbach, D., Liese, A., & Dammann, C. E. L. (2011). Lipopolysaccharide-induced injury is more pronounced in fetal transgenic ErbB4-deleted lungs. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 301(4), L490-L499. doi: 10.1152/ajplung.00131.2010. <http://ajplung.physiology.org/content/301/4/L490.abstract>

Schmiedl, A., Krainski, J., Schwichtenhövel, F., Schade, J., Klemann, C., Raber, K. A., . . . M., S. (2010). Reduced airway inflammation in CD26/DPP4-deficient F344 rats is associated with

altered recruitment patterns of regulatory T cells and expression of pulmonary surfactant proteins. *Clinical and Experimental Allergy*, 40(12), 1794-1808. doi.

Schmiedl, A., Lempa, T., Hoymann, H. G., Rittinghausen, S., Popa, D., Tschernig, T., . . . Hohlfeld, J. M. (2008). Elastase-induced lung emphysema in rats is not reduced by hematopoietic growth factors when applied preventively. *Virchows Archive*, 452(6), 675- 688. doi.

Schmiedl, A., Lührmann, A., Pabst, R., & Koslowski, R. (2009). Increased surfactant protein A and D expression in acute ovalbumin-induced allergic airway inflammation in Brown Norway rats. *International Archives of Allergy and Immunology*, 148(2), 118-126. doi.

Schmiedt, M. L., Blom, T., Kopra, O., Wong, A., von Schantz-Fant, C., Ikonen, E., . . . Cooper, J. D. (2011). Cln5-deficiency in mice leads to microglial activation, defective myelination and changes in lipid metabolism. *Neurobiology of Disease*. doi.

Schmitt, A., Schulenberg, W., Bernstein, H. G., Steiner, J., Schneider-Axmann, T., Yeganeh-Doost, P., . . . others. (2011). Reduction of gyrification index in the cerebellar vermis in schizophrenia: A post-mortem study. *World Journal of Biological Psychiatry*, 12(S1), 99-103. doi.

Schmitt, A., Steyskal, C., Bernstein, H. G., Schneider-Axmann, T., Parlapani, E., Schaeffer, E. L., . . . Falkai, P. (2009). Stereologic investigation of the posterior part of the hippocampus in schizophrenia. *Acta Neuropathologica*, 117(4), 395-407. doi.

Schmitt, O., Usunoff, K. G., Lazarov, N. E., Itzev, D. E., Eipert, P., Rolfs, A., & Wree, A. (2011). Orexinergic innervation of the extended amygdala and basal ganglia in the rat. *Brain Structure and Function*, 1-24. doi.

Schmitz, C., Born, M., Dolezel, P., Rutten, B. P. F., de Saint-Georges, L., Hof, P. R., & Korr, H. (2005). Prenatal protracted irradiation at very low dose rate induces severe neuronal loss in rat hippocampus and cerebellum. *Neuroscience*, 130(4), 935-948. doi.

Schmitz, C., & Casanova, M. (2005). Autistic Brains Out of Synch? *Science*, 308(5730), 1856- 1858. doi.

Schmitz, C., Dafotakis, M., Heisen, H., Mugrauer, K., Niesel, A., Popken, G. J., . . . Korr, H. (2000). Use of cryostat sections from snap-frozen nervous tissue for combining stereological estimates with histological, cellular, or molecular analyses on adjacent sections. *Journal of Chemical Neuroanatomy*, 20(1), 21-29. doi.

Schmitz, C., & Hof, P. R. (2005). Design-based stereology in neuroscience. *Neuroscience*, 130(4), 813-831. doi.

Schmitz, C., Rutten, B. P. F., Pielen, A., Schafer, S., Wirths, O., Tremp, G., . . . Bayer, T. A. (2004). Hippocampal Neuron Loss Exceeds Amyloid Plaque Load in a Transgenic Mouse Model of Alzheimer's Disease. *American Journal of Pathology*, 164(4). doi.

Schnegg, C. I., Greene-Schloesser, D., Kooshki, M., Payne, V. S., Hsu, F.-C., & Robbins, M. E. (2013). The PPAR δ agonist, GW0742, inhibits neuroinflammation, but does not restore neurogenesis or prevent early delayed hippocampal-dependent cognitive impairment after whole-brain irradiation. *Free Radical Biology and Medicine*, (0). doi: <http://dx.doi.org/10.1016/j.freeradbiomed.2013.03.002>.
<http://www.sciencedirect.com/science/article/pii/S0891584913000968>

Schneider, C. A., Rasband, W. S., & Eliceiri, K. W. (2012). NIH Image to ImageJ: 25 years of image analysis. *Nat Methods*, 9. doi: 10.1038/nmeth.2089. <http://dx.doi.org/10.1038/nmeth.2089>

Schneider, D., Gerhardt, E., Bock, J., Müller, M. M., Wolburg, H., Lang, F., & Schulz, J. B. (2004). Intracellular acidification by inhibition of the Na⁺/H⁺-exchanger leads to caspase-independent death of cerebellar granule neurons resembling paraptosis. *Nature*, (doi:10.1038/sj.cdd.4401377). doi.

Schneider, J. A., Li, J. L., Li, Y., Wilson, R. S., Kordower, J. H., & Bennett, D. A. (2006). Substantia nigra tangles are related to gait impairment in older persons. *Annals of Neurology*, 59(1), 166-173. doi.

Schneider, J. S., Aras, R., Williams, C. K., Koprach, J. B., Brotchie, J. M., & Singh, V. (2019). GM1 Ganglioside Modifies α -Synuclein Toxicity and is Neuroprotective in a Rat α -Synuclein Model of Parkinson's Disease. *Scientific Reports*, 9(1), 8362. doi: 10.1038/s41598-019-42847-x. <https://doi.org/10.1038/s41598-019-42847-x>

Schneider, J. S., Burgess, C., Sleiter, N. C., DonCarlos, L. L., Lydon, J. P., O'Malley, B., & Levine, J. E. (2005). Enhanced Sexual Behaviors and Androgen Receptor Immunoreactivity in the Male Progesterone Receptor Knockout Mouse. *Endocrinology*, 146(10), 4340-4348. doi: 10.1210/en.2005-0490. <http://endo.endojournals.org/cgi/content/abstract/146/10/4340>

Schnöeder, L., Hao, W., Qin, Y., Liu, S., Tomic, I., Liu, X., . . . Liu, Y. (2015). Deficiency of Neuronal p38 α -MAPK Attenuates Amyloid Pathology in Alzheimer's Mouse and Cell Models through Facilitating Lysosomal Degradation of BACE1. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M115.695916. <http://www.jbc.org/content/early/2015/12/09/jbc.M115.695916.abstract>

Schnoz, C., Carrel, M., & Loffing, J. (2019). Loss of sodium chloride co-transporter impairs the outgrowth of the renal distal convoluted tubule during renal development. *Nephrology Dialysis Transplantation*. doi: 10.1093/ndt/gfz172. <https://doi.org/10.1093/ndt/gfz172>

Schnoz, C., Moser, S., Kratschmar, D. V., Odermatt, A., Loffing-Cueni, D., & Loffing, J. (2020). Deletion of the transcription factor Prox-1 specifically in the renal distal convoluted tubule causes hypomagnesemia via reduced expression of TRPM6 and NCC. *Pflügers Archiv - European Journal of Physiology*. doi: 10.1007/s00424-020-02491-1. <https://doi.org/10.1007/s00424-020-02491-1>

Schoenfeld, T. A., & Knott, T. K. (2004). Evidence for the Disproportionate Mapping of Olfactory Airspace onto the Main Olfactory Bulb of the Hamster. *Journal of Comparative Neurology*, 476, 186-201. doi.

Schoenfeld, T. J., Rhee, D., Martin, L., Smith, J. A., Sonti, A. N., Padmanaban, V., & Cameron, H. A. (2019). New neurons restore structural and behavioral abnormalities in a rat model of PTSD. *Hippocampus*, 0(0). doi: 10.1002/hipo.23087. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hipo.23087>

Scholtissen, B., Deumens, R., Leentjens, A. F. G., Schmitz, C., Blokland, A., Steinbusch, H. W. M., & Prickaerts, J. (2006). Functional investigations into the role of dopamine and serotonin in partial bilateral striatal 6-hydroxydopamine lesioned rats. *Pharmacology Biochemistry and Behavior*, 83(2), 175-185. doi.

Scholz, A., Harter, P. N., Cremer, S., Yalcin, B. H., Gurnik, S., Yamaji, M., . . . Reiss, Y. (2015). Endothelial cell-derived angiopoietin-2 is a therapeutic target in treatment-naïve and bevacizumab-resistant glioblastoma. *EMBO Molecular Medicine*, n/a-n/a. doi: 10.15252/emmm.201505505. <http://dx.doi.org/10.15252/emmm.201505505>

Scholz, A., Lang, V., Henschler, R., Czabanka, M., Vajkoczy, P., Chavakis, E., . . . others. (2011). Angiopoietin-2 promotes myeloid cell infiltration in a β 2-integrin-dependent manner. *Blood*, 118(18), 5050-5059. doi.

Schölzke, M. N., Röttinger, A., Murkinati, S., Gehrig, N., Leib, C., & Schwaninger, M. (2011). TWEAK regulates proliferation and differentiation of adult neural progenitor cells. *Molecular and Cellular Neuroscience*, 46(1), 325-332. doi.

Schönhoff, K., von Rüden, E.-L., Koska, I., Seiffert, I., & Potschka, H. (2021). Hippocampal and Septal 5-HT1A Receptor Expression in Two Rat Models of Temporal Lobe Epilepsy. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2021.03.026>.
<https://www.sciencedirect.com/science/article/pii/S0306452221001627>

Schöpf, I., Easton, A. C., Solati, J., Golub, Y., Kornhuber, J., Giese, K. P., & Müller, C. P. (2015). α CaMKII autophosphorylation mediates neuronal activation in the hippocampal dentate gyrus after alcohol and cocaine in mice. *Neuroscience Letters*, 591(0), 65-68.

doi: <http://dx.doi.org/10.1016/j.neulet.2015.02.031>.
<http://www.sciencedirect.com/science/article/pii/S0304394015001378>

Schreyer, S., Klein, C., Pfeffer, A., Rasińska, J., Stahn, L., Knuth, K., . . . Steiner, B. (2020). Chia seeds as a potential cognitive booster in the APP23 Alzheimer's disease model. *Scientific Reports*, 10(1), 18215. doi: 10.1038/s41598-020-75209-z. <https://doi.org/10.1038/s41598-020-75209-z>

Schriever, S. C., Zimprich, A., Pfuhlmann, K., Baumann, P., Giesert, F., Klaus, V., . . . Pfluger, P. T. (2017). Alterations in neuronal control of body weight and anxiety behavior by glutathione peroxidase 4 deficiency. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.05.050>.
<http://www.sciencedirect.com/science/article/pii/S0306452217303846>

Schuch, C. P., Jeffers, M. S., Antonescu, S., Nguemeni, C., Gomez-Smith, M., Pereira, L. O., . . . Corbett, D. (2016). Enriched rehabilitation promotes motor recovery in rats exposed to neonatal hypoxia-ischemia. *Behavioural Brain Research*, 304, 42-50.

doi: <http://dx.doi.org/10.1016/j.bbr.2016.02.010>.
<http://www.sciencedirect.com/science/article/pii/S0166432816300663>

Schulz, C., Paus, M., Frey, K., Schmid, R., Kohl, Z., Mennerich, D., . . . Gillardon, F. (2011). Leucine-rich repeat kinase 2 modulates retinoic acid-induced neuronal differentiation of murine embryonic stem cells. *PLoS ONE*, 6(6), e20820-e20820. doi.

Schumann, C. M., & Amaral, D. G. (2005). Stereological estimation of the number of neurons in the human amygdaloid complex. *PubMed*, PMID: 16175550. doi.

Schumann, C. M., & Amaral, D. G. (2006). Stereological Analysis of Amygdala Neuron Number in Autism. *Journal of Neuroscience*, 26(29), 7674-7679. doi: 10.1523/jneurosci.1285-06.2006.
<http://www.jneurosci.org/cgi/content/abstract/26/29/7674>

Schumm, M. A., Castellanos, D. A., Frydel, B. R., & Sagen, J. (2002). Enhanced viability and neuronal differentiation of neural progenitors by chromaffin cell co-culture. *Developmental Brain Research*, 137(2), 115-125. doi.

Schumm, M. A., Castellanos, D. A., Frydel, B. R., & Sagen, J. (2003). Direct cell-cell contact required for neurotrophic effect of chromaffin cells on neural progenitor cells. *Developmental Brain Research*, 146(1-2), 1-13. doi.

Schumm, M. A., Castellanos, D. A., Frydel, B. R., & Sagen, J. (2004). Improved neural progenitor cell survival when cogenerated with chromaffin cells in the rat striatum. *Experimental Neurology*, 185(1), 133-142. doi.

Schunk, E., Aigner, C., Stefanova, N., Wenning, G., Herzog, H., & Schwarzer, C. (2011). Kappa opioid receptor activation blocks progressive neurodegeneration after kainic acid injection. *Hippocampus*, 21(9), 1010-1020. doi: 10.1002/hipo.20813. <http://dx.doi.org/10.1002/hipo.20813>

Schutt, C. R., Gendelman, H. E., & Mosley, R. L. (2018). Tolerogenic bone marrow-derived dendritic cells induce neuroprotective regulatory T cells in a model of Parkinson's disease. [journal article]. *Molecular Neurodegeneration*, 13(1), 26. doi: 10.1186/s13024-018-0255-7. <https://doi.org/10.1186/s13024-018-0255-7>

Schwartz, E., Wicinski, B., Schmeidler, J., Haroutunian, V., & Hof, P. R. (2010). Cardiovascular risk factors affect hippocampal microvasculature in early AD. *Translational neuroscience*, 1(4), 292-299. doi.

Schwartz, E. D., Chin, C.-L., Shumsky, J. S., Jawad, A. F., Brown, B. K., Wehrli, S., . . . Hackney, D. B. (2005). Apparent Diffusion Coefficients in Spinal Cord Transplants and Surrounding White Matter Correlate with Degree of Axonal Dieback After Injury in Rats. *American Journal of Neuroradiology*, 26(1), 7-18. doi.

Schwartzkroin, P. A., Wenzel, H. J., Lyeth, B. G., Poon, C. C., DeLance, A., Van, K. C., . . . Nguyen, D. V. (2010). Does ketogenic diet alter seizure sensitivity and cell loss following fluid percussion injury? *Epilepsy Research*, 92(1), 74-84. doi.

Schwarz, J. M., Sholar, P. W., & Bilbo, S. D. (2011). Sex differences in microglial colonization of the developing rat brain. *Journal of Neurochemistry*. doi.

Schweitzer, J. S., Song, B., Leblanc, P. R., Feitosa, M., Carter, B. S., & Kim, K.-S. (2019). Columnar Injection for Intracerebral Cell Therapy. *Operative Neurosurgery*. doi: 10.1093/ons/onz143. <https://doi.org/10.1093/ons/onz143>

Schweyer, K., Rüschoff-Steiner, C., Arias-Carrión, O., Oertel, W. H., Rösler, T. W., & Höglinger, G. U. (2019). Neuronal precursor cells with dopaminergic commitment in the rostral migratory stream of the mouse. *Scientific Reports*, 9(1), 13359. doi: 10.1038/s41598-019-49920-5. <https://doi.org/10.1038/s41598-019-49920-5>

Sciacca, G., & Cicchetti, F. (2017). Mutant huntingtin protein expression and blood-spinal cord barrier dysfunction in Huntington's disease. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.25107. <http://dx.doi.org/10.1002/ana.25107>

Sciacaluga, M., Mazzocchetti, P., Bastioli, G., Ghiglieri, V., Cardinale, A., Mosci, P., . . . Tozzi, A. (2020). Effects of safinamide on the glutamatergic striatal network in experimental Parkinson's disease. *Neuropharmacology*, 108024. doi: <https://doi.org/10.1016/j.neuropharm.2020.108024>. <http://www.sciencedirect.com/science/article/pii/S0028390820300903>

Sciamanna, G., Hollis, R., Ball, C., Martella, G., Tassone, A., Marshall, A., . . . Zhang, L. (2012). Cholinergic dysregulation produced by selective inactivation of the dystonia-associated protein TorsinA. *Neurobiology of Disease*. doi.

Scofield, M. D., Li, H., Siemsen, B., Healey, K. L., Tran, P. K., Woronoff, N., . . . Reissner, K. J. (2015). Cocaine self-administration and extinction leads to reduced GFAP expression and morphometric features of astrocytes in the nucleus accumbens core. *Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.biopsych.2015.12.022>. <http://www.sciencedirect.com/science/article/pii/S0006322315010872>

Scorcioni, R., Wright, S. N., Patrick Card, J., Ascoli, G. A., & Barrionuevo, G. (2008). Point Analysis in Java Applied to Histological Images of the Perforant Pathway: A User's Account. *Neuroinformatics*, 6(1), 63-67. doi.

Scorza, C. A., Araujo, B. H. S., Arida, R. M., Scorza, F. A., Torres, L. B., Amorim, H. A., & Cavalheiro, E. A. (2010). Distinctive hippocampal CA2 subfield of the Amazon rodent *Proechimys*. *Neuroscience*, 169(3), 965-973. doi.

Scorza, C. A., Araujo, B. H. S., Leite, L. A., Torres, L. B., Otalora, L. F. P., Oliveira, M. S., . . . Cavalheiro, E. A. (2011). Morphological and electrophysiological properties of pyramidal-like neurons in the stratum oriens of Cornu ammonis 1 and Cornu ammonis 2 area of *Proechimys*. *Neuroscience*, 177, 252-252. doi.

Sebeo, J., Hof, P. R., & Perl, D. P. (2004). Occurrence of α -synuclein pathology in the cerebellum of Guamanian patients with parkinsonism-dementia complex. *Acta Neuropathologica*, 107(6), 497-503. doi.

Sebrié, C., Chabert, C., Ledru, A., Guedj, F., Po, C., Smith, D. J., . . . others. (2008). Increased dosage of DYRK1A and brain volumetric alterations in a YAC model of partial trisomy 21. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology*, 291(3), 254-262. doi.

Sedjahtera, A., Gunawan, L., Bray, L., Hung, L. W., Parsons, J., Okamura, N., . . . Adlard, P. A. (2018). Targeting metals rescues the phenotype in an animal model of tauopathy. [10.1039/C8MT00153G]. *Metallomics*. doi: 10.1039/c8mt00153g. <http://dx.doi.org/10.1039/C8MT00153G>

Seeger, N., Zellinger, C., Rode, A., Roloff, F., Bicker, G., Russmann, V., . . . Potschka, H. (2011). The erythropoietin-derived peptide mimetic pHBP affects cellular and cognitive consequences in a rat post-status epilepticus model. *Epilepsia*, 52(12), 2333-2343. doi: 10.1111/j.1528-1167.2011.03302.x. <http://dx.doi.org/10.1111/j.1528-1167.2011.03302.x>

Seehafer, S. S., Ramirez-Montealegre, D., Wong, A., Chan, C. H., Castaneda, J., Horak, M., . . . Pearce, D. A. (2011). Immunosuppression alters disease severity in juvenile Batten disease mice. *Journal of Neuroimmunology*, 230(1-2), 169-172. doi.

Seeley, W. W., Carlin, D. A., Allman, J. M., Macedo, M. N., Bush, C., Miller, B. L., & DeArmond, S. J. (2006). Early frontotemporal dementia targets neurons unique to apes and humans. *Annals of Neurology*, 60(6), 660-667. doi.

Segal, D., Carpenter, D., Höistad, M., Haroutunian, V., Tang, C. Y., & Hof, P. R. (2010). Cingulum bundle white matter in MAG-knockout mice. *Translational neuroscience*, 1(2), 131-138. doi.

Segl, D., Schmitz, C., & Hof, P. R. (2008). Spatial distribution and density of oligodendrocytes in the cingulum bundle are unaltered in schizophrenia *Acta Neuropathologica*, 117(4), 385-394. doi.

Séguin, B., Pinard, C., Lussier, B., Williams, D., Griffin, L., Podell, B., . . . Brailovski, V. (2019). Limb-sparing in dogs using patient-specific, 3 dimensional-printed endoprosthesis for distal radial osteosarcoma: a pilot study. *Veterinary and Comparative Oncology*, oja. doi: 10.1111/vco.12515. <https://onlinelibrary.wiley.com/doi/abs/10.1111/vco.12515>

Segura-Puimedon, M., Sahún, I., Velot, E., Dubus, P., Borralleras, C., Rodrigues, A. J., . . . Campuzano, V. (2014). Heterozygous deletion of the Williams-Beuren syndrome critical interval in mice recapitulates most features of the human disorder. *Human Molecular Genetics*. doi: 10.1093/hmg/ddu368. http://hmg.oxfordjournals.org/content/early/2014/07/14/hmg.dd_u368.abstract

Seigenfuse, M. D., Yingling, V. R., & Goldman, H. M. (2010). Delayed Puberty Results in Decreased Percentage of Lamellar Bone and Decreased Mechanical Strength in Female Rats: 916: June 4 1: 15 PM-1: 30 PM. *Medicine and Science in Sports and Exercise*, 42(5), 103-103. doi.

Seigle, M. P., Huang, L., Cottone, P., & Sabino, V. (2019). Role of the PACAP system of the extended amygdala in the acoustic startle response in rats. *Neuropharmacology*, 160,

107761.

doi: <https://doi.org/10.1016/j.neuropharm.2019.107761>.

<http://www.sciencedirect.com/science/article/pii/S002839081930320X>

Seimon, T. A., McAloose, D., Raphael, B., Honkavuori, K. S., Chang, T., Hirschberg, D. L., & Lipkin, W. I. (2011). A Novel Herpesvirus in 3 Species of Pheasants: Mountain Peacock Pheasant (*Polyplectron inopinatum*), Malayan Peacock Pheasant (*Polyplectron malacense*), and Congo Peafowl (*Afropavo congensis*). *Veterinary Pathology Online*. doi.

Sekeres, M. J., Mercaldo, V., Richards, B., Sargin, D., Mahadevan, V., Woodin, M. A., . . . Josselyn, S. A. (2012). Increasing CRF1 Function in the Dentate Gyrus during Memory Formation or Reactivation Increases Memory Strength without Compromising Memory Quality. *Journal of Neuroscience*, 32(49), 17857-17868. doi: 10.1523/JNEUROSCI.1419-12.2012.

<http://www.jneurosci.org/content/32/49/17857.abstract>

Sekerková, G., Ilijic, E., & Mugnaini, E. (2004). Bromodeoxyuridine administered during neurogenesis of the projection neurons causes cerebellar defects in rat. *Journal of Comparative Neurology*, 470(3), 221-239. doi.

Sekerková, G., Ilijic, E., & Mugnaini, E. (2004). Time of origin of unipolar brush cells in the rat cerebellum as observed by prenatal bromodeoxyuridine labeling. *Neuroscience*, 127(4), 845-858. doi.

Sekerková, G., Ilijic, E., Mugnaini, E., & Baker, J. F. (2005). Otolith organ or semicircular canal stimulation induces c-fos expression in unipolar brush cells and granule cells of cat and squirrel monkey. *Experimental Brain Research*, 164(3), 286-300. doi.

Selemon, L. D., & Begovic, A. (2007). Stereologic analysis of the lateral geniculate nucleus of the thalamus in normal and schizophrenic subjects. *Psychiatry Research*, 151(1-2), 1-10. doi.

Selemon, L. D., & Begovic, A. (2020). Reduced Midbrain Dopamine Neuron Number in the Adult Non-human Primate Brain after Fetal Radiation Exposure. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2020.07.005>.

<http://www.sciencedirect.com/science/article/pii/S0306452220304383>

Selemon, L. D., Begović, A., & Rakic, P. (2009). Selective reduction of neuron number and volume of the mediodorsal nucleus of the thalamus in macaques following irradiation at early gestational ages. *Journal of Comparative Neurology*, 515(4), 454-464. doi.

Selemon, L. D., Ceritoglu, C., Ratnanather, J. T., Wang, L., Harms, M. P., Aldridge, K., . . . Rakic, P. (2012). Distinct abnormalities of the primate prefrontal cortex caused by ionizing radiation in early or midgestation. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23217. <http://dx.doi.org/10.1002/cne.23217>

Selim, M. M., Wendelschafer-Crabb, G., Redmon, J. B., Khoruts, A., Hodges, J. S., Koch, K., . . . Kennedy, W. R. (2010). Gastric mucosal nerve density: A biomarker for diabetic autonomic neuropathy? *Neurology*, 75(11), 973-981. doi:

10.1212/WNL.0b013e3181f25f19.

<http://www.neurology.org/cgi/content/abstract/75/11/973>

Sell, S. L., Boone, D. R., Weisz, H. A., Cardenas, C., Willey, H. E., Bolding, I. J., . . . Hellmich, H. L. (2019). MicroRNA profiling identifies a novel compound with antidepressant properties. *Plos one*, 14(8), e0221163. doi: 10.1371/journal.pone.0221163. <https://doi.org/10.1371/journal.pone.0221163>

Sellers, D. L., & Horner, P. J. (2012). Assessments of Gliogenesis After Spinal Cord Injury. *Springer Protocols Handbooks*. doi.

Sellers, D. L., Kim, T. H., Mount, C. W., Pun, S. H., & Horner, P. J. (2014). Poly(lactic-co-glycolic) acid microspheres encapsulated in Pluronic F-127 prolong hirudin delivery and improve functional recovery from a demyelination lesion. *Biomaterials*, (0). doi: <http://dx.doi.org/10.1016/j.biomaterials.2014.06.051>. <http://www.sciencedirect.com/science/article/pii/S0142961214007571>

Selli, J., Unal, D., Mercantepe, F., Akaras, N., Kabayel, R., Unal, B., & Atilay, H. (2015). Protective effects of beta glucan in brain tissues of post-menopausal rats: a histochemical and ultra-structural study. *Gynecological Endocrinology*, (just-accepted), 1-19. doi: <http://www.tandfonline.com/doi/abs/10.3109/09513590.2015.1110139>

Sellinger, E. P., Drzewiecki, C. M., Willing, J., & Juraska, J. M. (2021). Cell death in the male and female rat medial prefrontal cortex during early postnatal development. *IBRO Neuroscience Reports*, 10, 186-190. doi: <https://doi.org/10.1016/j.ibneur.2021.03.002>. <https://www.sciencedirect.com/science/article/pii/S266724212100018X>

Sellner, S., Paricio-Montesinos, R., Spieß, A., Masuch, A., Erny, D., Harsan, L. A., . . . Blank, T. (2016). Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt1/p65 signaling independent of CX3CL1. [journal article]. *Acta Neuropathologica Communications*, 4(1), 1-13. doi: 10.1186/s40478-016-0374-8. <http://dx.doi.org/10.1186/s40478-016-0374-8>

Šemanjski, K., Majdič, G., Kozina, V., & Ježek, D. (2021). Sexual dimorphism of the extraorbital lacrimal glands in SF-1 knockout mice. *Acta Histochemica*, 123(2), 151669. doi: <https://doi.org/10.1016/j.acthis.2020.151669>. <http://www.sciencedirect.com/science/article/pii/S0065128120301689>

Semple, B. D., Dixit, S., Shultz, S. R., Boon, W. C., & O'Brien, T. J. (2017). Sex-dependent changes in neuronal morphology and psychosocial behaviors after pediatric brain injury. *Behavioural Brain Research*, 319, 48-62. doi: <http://dx.doi.org/10.1016/j.bbr.2016.10.045>. <http://www.sciencedirect.com/science/article/pii/S0166432816306477>

Semple, B. D., Noble-Haeusslein, L. J., Jun Kwon, Y., Sam, P. N., Gibson, A. M., Grissom, S., . . . Schenk, A. K. (2014). Sociosexual and Communication Deficits after Traumatic Injury to the Developing Murine Brain. *Plos one*, 9(8), e103386. doi: 10.1371/journal.pone.0103386. <http://dx.doi.org/10.1371%2Fjournal.pone.0103386>

Semple, B. D., Sadjadi, R., Carlson, J., Chen, Y., Xu, D., Ferriero, D. M., & Noble-Haeusslein, L. J. (2016). Long-Term Anesthetic-Dependent Hypoactivity after Repetitive Mild Traumatic Brain

Injuries in Adolescent Mice. *Developmental Neuroscience*, 38(3), 220-238. doi: <http://www.karger.com/DOI/10.1159/000448089>

Semple, B. D., Trivedi, A., Gimlin, K., & Noble-Haeusslein, L. J. (2014). Neutrophil elastase mediates acute pathogenesis and is a determinant of long-term behavioral recovery after traumatic injury to the immature brain. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.12.003>.
<http://www.sciencedirect.com/science/article/pii/S096999611400374X>

Semple, B. D., Trivedi, A., Gimlin, K., & Noble-Haeusslein, L. J. (2014). Neutrophil elastase mediates acute pathogenesis and is a determinant of long-term behavioral recovery after traumatic injury to the immature brain. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.12.003>.
<http://www.sciencedirect.com/science/article/pii/S096999611400374X>

Sen, M. K., Almuslehi, M. S. M., Coorssen, J. R., Mahns, D. A., & Shortland, P. J. (2020). Behavioural and histological changes in cuprizone-fed mice. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2020.01.021>.
<http://www.sciencedirect.com/science/article/pii/S0889159119315296>

Sen, S., Parishar, P., Pundir, A. S., Reiner, A., & Iyengar, S. (2019). The Expression of Tyrosine Hydroxylase and DARPP-32 in the House Crow (*Corvus splendens*) brain. *Journal of Comparative Neurology*, 0(ja). doi: 10.1002/cne.24649. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24649>

Senel, E., Ozkan, E., Bereket, M. C., & Onger, M. E. (2019). The assessment of new bone formation induced by unfocused extracorporeal shock wave therapy applied on pre- surgical phase of distraction osteogenesis. *European Oral Research*, 53(3), 125-131. doi: 10.26650/eor.20190041.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6761485/>

Sener, I., Bereket, C., Kosker, H., Turer, A., Tek, M., & Kaplan, S. (2013). The Effects of Zoledronic Acid on Mandibular Fracture Healing in an Osteoporotic Model: A Stereological Study. *Journal of Craniofacial Surgery*, 24(4), 1221-1224. doi: 10.1097/SCS.1220b1013e3182997816.
doi: http://journals.lww.com/jcraniofacialsurgery/Fulltext/2013/07000/The_Eff...

Seney, M., Goldman, B. D., & Forger, N. G. (2006). Breeding status affects motoneuron number and muscle size in naked mole-rats: Recruitment of perineal motoneurons? *Journal of Neurobiology*, 66(12), 1354-1364. doi: 10.1002/jnebm.10000

Sengelau, D. R., Han, Q., Liu, N.-K., Maczuga, M., Szalavari, V., Valencia, S., & Xu, X.-M. (2017). Protective Effects of Estradiol and Dihydrotestosterone Following Spinal Cord Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5329.
<https://doi.org/10.1089/neu.2017.5329>

Sengul, A. T., Buyukkkarabacak, Y. B., Altunkaynak, B. Z., Yetim, T. D., Altun, G. Y., Sengul, B., & Basoglu, A. (2016). Effects of platelet-rich plasma on cartilage regeneration after costal cartilage resection: a stereological and histopathological study. *Acta Chirurgica Belgica*, 1-8. doi: 10.1080/00015458.2016.1210874.
<http://dx.doi.org/10.1080/00015458.2016.1210874>

Sengupta, A., Bocchio, M., Bannerman, D. M., Sharp, T., & Capogna, M. (2017). Control of amygdala circuits by 5-HT neurons via 5-HT and glutamate co-transmission. [10.1523/JNEUROSCI.2238-16.2016]. The Journal of Neuroscience. doi: <http://www.jneurosci.org/content/early/2017/01/13/JNEUROSCI.2238-16.2016>..

Sengupta, U., Carretero-Murillo, M., & Kayed, R. (2018). Preparation and Characterization of Tau Oligomer Strains. In E. M. Sigurdsson, M. Calero & M. Gasset (Eds.), *Amyloid Proteins: Methods and Protocols* (pp. 113-146). New York, NY: Springer New York.

Seno, S., Wang, J., Cao, S., Saraswati, M., Park, S., Simoni, J., . . . Robertson, C. L. (2020). Resuscitation with macromolecular superoxide dismutase/catalase mimetic polynitroxylated PEGylated hemoglobin offers neuroprotection in guinea pigs after traumatic brain injury combined with hemorrhage shock. *BMC Neuroscience*, 21(1), 22. doi: 10.1186/s12868-020-00571-7. <https://doi.org/10.1186/s12868-020-00571-7>

Sensor, J. D., Suydam, R., George, J. C., Liberman, M. C., Lovano, D., Rhaganti, M. A., . . . Thewissen, J. G. M. (2015). The spiral ganglion and Rosenthal's canal in beluga whales. *Journal of Morphology*, n/a-n/a. doi: 10.1002/jmor.20434. <http://dx.doi.org/10.1002/jmor.20434>

Senut, M.-C., Suhr, S. T., Kaspar, B., & Gage, F. H. (2000). Intraneuronal Aggregate Formation and Cell Death after Viral Expression of Expanded Polyglutamine Tracts in the Adult Rat Brain. *Journal of Neuroscience*, 20(1), 219-229. doi: <http://www.jneurosci.org/cgi/content/abstract/20/1/219>

Seo, D.-o., Carillo, M. A., Lim, S. C.-H., Tanaka, K. F., & Drew, M. R. (2015). Adult Hippocampal Neurogenesis Modulates Fear Learning through Associative and Nonassociative Mechanisms. *The Journal of Neuroscience*, 35(32), 11330-11345. doi: <http://www.jneurosci.org/content/35/32/11330.short>

Seo, H., & Isacson, O. (2005). Abnormal APP, cholinergic and cognitive function in Ts65Dn Down's model mice. *Experimental Neurology*, 193(2), 469-480. doi.

Serarslan, Y., Bal, R., Altug, M. E., Kontas, T., Keles, O. N., Unal, D., & Unal, B. (2009). Effects of trimetazidine on crush injury of the sciatic nerve in rats: a biochemical and stereological study. *Brain Research*, 1247, 11-20. doi.

Serrano-García, N., Fernández-Valverde, F., Luis-García, E. R., Granados-Rojas, L., Juárez- Zepeda, T. E., Orozco-Suárez, S. A., . . . Jiménez-Anguiano, A. (2018). Docosahexaenoic acid protection in a rotenone induced Parkinson's model: Prevention of tubulin and synaptophysin loss, but no association with mitochondrial function. *Neurochemistry International*, 121, 26-37. doi: <https://doi.org/10.1016/j.neuint.2018.10.015>. <http://www.sciencedirect.com/science/article/pii/S0197018618303978>

Sesele, K., Thanopoulou, K., Paouri, E., Tsefou, E., Klinakis, A., & Georgopoulos, S. (2013). Conditional inactivation of nicastrin restricts amyloid deposition in an Alzheimer's disease mouse model. *Aging cell*, n/a-n/a. doi: 10.1111/acer.12131. <http://dx.doi.org/10.1111/acer.12131>

Seta, H., Maki, D., Kazuno, A., Yamato, I., Nakajima, N., Soeda, S., . . . Tamaki, T. (2018). Voluntary Exercise Positively Affects the Recovery of Long-Nerve Gap Injury Following Tube-Bridging with Human Skeletal Muscle-Derived Stem Cell Transplantation. *Journal of Clinical Medicine*, 7(4), 67. doi: <http://www.mdpi.com/2077-0383/7/4/67>

Sevc, J., Goldberg, D., van Gorp, S., Leerink, M., Juhas, S., Juhasova, J., . . . Marsala, M. (2013). Effective long-term immunosuppression in rats by subcutaneously implanted sustained-release tacrolimus pellet: Effect on spinally grafted human neural precursor survival. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.05.017>. <http://www.sciencedirect.com/science/article/pii/S0014488613001726>

Sgado, P., Alberi, L., Gherbassi, D., Galasso, S. L., Ramakers, G. M. J., Alavian, K. N., . . . Simon, H. H. (2006). Slow progressive degeneration of nigral dopaminergic neurons in postnatal Engrailed mutant mice. *Proceedings of the National Academy of Sciences*, 103(41), 15242- 15247. doi: 10.1073/Proceedings of the National Academy of Sciences.0602116103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/41/15242>

Shaerzadeh, F., Phan, L., Miller, D., Dacquel, M., Hachmeister, W., Hansen, C., . . . Khoshbouei, H. (2020). Microglia senescence occurs in both substantia nigra and ventral tegmental area. *Glia*, n/a(n/a). doi: 10.1002/glia.23834. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23834>

Shaffery, J. P., Allard, J. S., Manaye, K. F., & Roffwarg, H. P. (2012). Selective Rapid Eye Movement Sleep Deprivation Affects Cell Size and Number in Kitten Locus Coeruleus. *Frontiers in Neurology*, 3. doi.

Shalev, U., Roberts, P., Shaham, Y., & Morales, M. (2003). Selective induction of c-Fos immunoreactivity in the prelimbic cortex during reinstatement of heroin seeking induced by acute food deprivation in rats. *Behavioural Brain Research*, 145(1-2), 79-88. doi.

Shaltiel-Karyo, R., Frenkel-Pinter, M., Rockenstein, E., Patrick, C., Levy-Sakin, M., Schiller, A., . . . Gazit, E. (2013). A BBB Disrupter is also a Potent α -Synuclein (α -syn) Aggregation Inhibitor: A Novel Dual Mechanism of Mannitol for the Treatment of Parkinson's Disease (PD). *Journal of Biological Chemistry*. doi: 10.1074/jbc.M112.434787. <http://www.jbc.org/content/early/2013/05/01/jbc.M112.434787.abstract>

Shamy, J. L., Buckmaster, C. A., Amaral, D. G., Calhoun, M. E., & Rapp, P. R. (2007). Reactive plasticity in the dentate gyrus following bilateral entorhinal cortex lesions in cynomolgus monkeys. *Journal of Comparative Neurology*, 502(2), 192-201. doi.

Shan, H., Bian, Y., Shu, Z., Zhang, L., Zhu, J., Ding, J., . . . Hu, G. (2016). Fluoxetine protects against IL-1 β -induced neuronal apoptosis via downregulation of p53. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2016.03.019>. <http://www.sciencedirect.com/science/article/pii/S0028390816300910>

Shan, S. W., Tang, M. K., Chow, P. H., Maroto, M., Cai, D. Q., & Lee, K. K. H. (2007). Induction of growth arrest and polycomb gene expression by reversine allows C2C12 cells to be reprogrammed to various differentiated cell types. *Proteomics*, 7(23), 4303-4316. doi.

Shandra, O., Winemiller, A. R., Heithoff, B. P., Munoz-Ballester, C., George, K., Benko, M. J., ... Robel, S. (2019). Repetitive Diffuse Mild Traumatic Brain Injury Causes an Atypical Astrocyte Response and Spontaneous Recurrent Seizures. *The Journal of Neuroscience*, 1067-1018. doi: 10.1523/jneurosci.1067-18.2018. <http://www.jneurosci.org/content/early/2019/01/18/JNEUROSCI.1067-18.2018...>

Shang, Y., Zhang, J., & Huang, E. J. (2018). HIPK2-mediated transcriptional control of NMDA receptor subunit expression regulates neuronal survival and cell death. [10.1523/JNEUROSCI.3577-17.2018]. *The Journal of Neuroscience*. doi. <http://www.jneurosci.org/content/early/2018/03/26/JNEUROSCI.3577-17.2018...>

Shao, X., Wang, X., English, S. J., Desmond, T., Sherman, P. S., Quesada, C. A., & Piert, M. R. (2013). Imaging of carrageenan-induced local inflammation and adjuvant-induced systemic arthritis with [11C]PBR28 PET. *Nuclear Medicine and Biology*, (0). doi: <http://dx.doi.org/10.1016/j.nucmedbio.2013.06.008>. <http://www.sciencedirect.com/science/article/pii/S0969805113001236>

Shapiro, L. A., Figueroa-Aragon, S., & Ribak, C. E. (2007). Newly generated granule cells show rapid neuroplastic changes in the adult rat dentate gyrus during the first five days following pilocarpine-induced seizures. *European Journal of Neuroscience*, 26(3), 583-592. doi: doi:10.1111/j.1460-9568.2007.05662.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05662.x>

Shapiro, L. A., Upadhyaya, P., & Ribak, C. E. (2007). Spatiotemporal profile of dendritic outgrowth from newly born granule cells in the adult rat dentate gyrus. *Brain Research*, 1149, 30-37. doi.

Shapiro, L. A., Wang, L., & Ribak, C. E. (2008). Rapid astrocyte and microglial activation following pilocarpine-induced seizures in rats. *Epilepsia*, 49(s2), 33-41. doi: doi:10.1111/j.1528-1167.2008.01491.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1528-1167.2008.01491.x>

Shapiro, L. A., Wang, L., Upadhyaya, P., & Ribak, C. E. (2011). Seizure-induced Increased Neurogenesis Occurs in the Dentate Gyrus of Aged Sprague-Dawley Rats. *Aging and Disease*, 2(4), 286-293. doi.

Sharaf, A., Bock, H. H., Spittau, B., Bouché, E., & Krieglstein, K. (2013). ApoER2 and VLDLr Are Required for Mediating Reelin Signalling Pathway for Normal Migration and Positioning of Mesencephalic Dopaminergic Neurons. *Plos one*, 8(8), e71091. doi: 10.1371/journal.pone.0071091. <http://dx.doi.org/10.1371%2Fjournal.pone.0071091>

Sharif, H., Alexander, H., Azam, A., & Martin, J. H. (2021). Dual motor cortex and spinal cord neuromodulation improves rehabilitation efficacy and restores skilled locomotor function in a rat cervical contusion injury model. *Experimental Neurology*, 113715.

doi: <https://doi.org/10.1016/j.expneurol.2021.113715>.
<https://www.sciencedirect.com/science/article/pii/S0014488621001217>

Sharma, P., Dedeurwaerdere, S., Vandenberg, M. A. D., Fang, K., Johnston, L. A., Shultz, S. R., . . . Gilby, K. L. (2016). Neuroanatomical differences in FAST and SLOW rat strains with differential vulnerability to kindling and behavioral comorbidities. *Epilepsy & Behavior*, 65, 42-48.

doi: <http://dx.doi.org/10.1016/j.yebeh.2016.08.022>. <http://www.sciencedirect.com/science/article/pii/S1525505016301871>

Sharma, S., Darland, D., Lei, S., Rakoczy, S., & Brown-Borg, H. M. (2011). NMDA and kainate receptor expression, long-term potentiation, and neurogenesis in the hippocampus of long-lived Ames dwarf mice. *AGE*, 1-12. doi.

Sharma, S., Jacob, T. G., Nag, T. C., Bhardwaj, D. N., & Roy, T. S. (2017). Changing Population of Neurons and Glia in the Human Cochlear Nucleus During Aging. In P. C. Rath, R. Sharma & S. Prasad (Eds.), *Topics in Biomedical Gerontology* (pp. 245-251). Singapore: Springer Singapore.

Sharma, S., Nag, T. C., Thakar, A., Bhardwaj, D. N., & Roy, T. S. (2014). Age associated changes in the human cochlear nucleus – A three-dimensional modelling and its potential application for brainstem implants. *Journal of the Anatomical Society of India*, (0).

doi: <http://dx.doi.org/10.1016/j.jasi.2014.04.005>.
<http://www.sciencedirect.com/science/article/pii/S0003277814000343>

Sharma, S., Ray, B., Bhardwaj, D., Dwivedi, A. K., & Roy, T. S. (2009). Age changes in the human oculomotor nerve-A stereological study. *Annals of Anatomy- Anatomischer Anzeiger*, 191(3), 260-266. doi.

Sharma, V., Nag, T. C., Wadhwa, S., & Roy, T. S. (2009). Stereological investigation and expression of calcium-binding proteins in developing human inferior colliculus. *Journal of Chemical Neuroanatomy*, 37(2), 78-86. doi.

Sharma, Y., Xu, T., Graf, W. M., Fobbs, A., Sherwood, C. C., Hof, P. R., . . . Manaye, K. F. (2010). Comparative anatomy of the locus coeruleus in humans and nonhuman primates. *Journal of Comparative Neurology*, 518(7), 963-971. doi.

Sharman, M. J., Gyengesi, E., Liang, H., Chatterjee, P., Karl, T., Li, Q.-X., . . . Münch, G. (2019). Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and α -lipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective? *Neurobiology of Disease*, 124, 505- 519.

doi: <https://doi.org/10.1016/j.nbd.2018.11.026>.
<http://www.sciencedirect.com/science/article/pii/S0969996118307708>

Sharp, K. G., Flanagan, L. A., Yee, K. M., & Steward, O. (2012). A re-assessment of a combinatorial treatment involving Schwann cell transplants and elevation of cyclic AMP on recovery of motor function following thoracic spinal cord injury in rats. *Experimental Neurology*, 233(2), 625-644. doi.

Sharp, K. G., Yee, K. M., & Steward, O. (2014). A re-assessment of treatment with a tyrosine kinase inhibitor (imatinib) on tissue sparing and functional recovery after spinal cord injury. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.12.019>.
<http://www.sciencedirect.com/science/article/pii/S0014488613003853>

Sharpe, S. A., Eschelbach, E., Basaraba, R. J., Gleeson, F., Hall, G. A., McIntyre, A., . . . others. (2009). Determination of lesion volume by MRI and stereology in a macaque model of tuberculosis. *Tuberculosis*, 89(6), 405-416. doi.

Shaw, V. E., Keay, K. A., Ashkan, K., Benabid, A. L., & Mitrofanis, J. (2010). Dopaminergic cells in the periaqueductal grey matter of MPTP-treated monkeys and mice; patterns of survival and effect of deep brain stimulation and lesion of the subthalamic nucleus. *Parkinsonism and Related Disorders*, 16(5), 338-344. doi.

Shaw, V. E., Spana, S., Ashkan, K., Benabid, A. L., Stone, J., Baker, G. E., & Mitrofanis, J. (2010). Neuroprotection of midbrain dopaminergic cells in MPTP-treated mice after near-infrared light treatment. *Journal of Comparative Neurology*, 518(1), 25-40. doi.

Sheikh, A., Meng, X., Liu, J., Mikhailova, A., Kao, J. P. Y., McQuillen, P. S., & Kanold, P. O. (2018). Neonatal Hypoxia-Ischemia Causes Functional Circuit Changes in Subplate Neurons. *Cerebral Cortex*. doi: 10.1093/cercor/bhx358. <http://dx.doi.org/10.1093/cercor/bhx358>

Sheikhzadeh, N., Mousavi, S., Hamidian, G., Firouzmandi, M., Khani Oushani, A., & Mardani, K. (2019). Role of dietary *Spirulina platensis* in improving mucosal immune responses and disease resistance of rainbow trout (*Oncorhynchus mykiss*). *Aquaculture*, 510, 1-8. doi: <https://doi.org/10.1016/j.aquaculture.2019.05.009>.
<http://www.sciencedirect.com/science/article/pii/S004484861930554X>

Shelton, M. A., Newman, J. T., Gu, H., Sampson, A. R., Fish, K. N., MacDonald, M. L., . . . Sweet, R. A. (2015). Loss of Microtubule Associated Protein 2 Immunoreactivity Linked to Dendritic Spine Loss in Schizophrenia. *Biological Psychiatry*, (0). doi: <http://dx.doi.org/10.1016/j.biopsych.2014.12.029>.
<http://www.sciencedirect.com/science/article/pii/S0006322315000736>

Shen, H., Lin, Z., Lei, D., Han, J., Ohlemiller, K. K., & Bao, J. (2011). Old mice lacking high-affinity nicotine receptors resist acoustic trauma. *Hearing Research*. doi.

Shen, L., Nam, H. S., Song, P., Moore, H., & Anderson, S. A. (2006). FoxG1 haploinsufficiency results in impaired neurogenesis in the postnatal hippocampus and contextual memory deficits. *Hippocampus*, 16(10), 875-890. doi.

Shen, M., Guo, Y., Dong, Q., Gao, Y., Stockton, M. E., Li, M., . . . Zhao, X. (2021). FXR1 regulation of parvalbumin interneurons in the prefrontal cortex is critical for schizophrenia-like behaviors. *Molecular Psychiatry*. doi: 10.1038/s41380-021-01096-z. <https://doi.org/10.1038/s41380-021-01096-z>

Shen, M., Wang, F., Li, M., Sah, N., Stockton, M. E., Tidei, J. J., . . . Zhao, X. (2019). Reduced mitochondrial fusion and Huntingtin levels contribute to impaired dendritic maturation and

behavioral deficits in Fmr1-mutant mice. *Nature Neuroscience*, 22(3), 386-400. doi: 10.1038/s41593-019-0338-y. <https://doi.org/10.1038/s41593-019-0338-y>

Shen, X.-L., Song, N., Du, X.-X., Li, Y., Xie, J.-X., & Jiang, H. (2017). Nesfatin-1 protects dopaminergic neurons against MPP+/MPTP-induced neurotoxicity through the C-Raf- ERK1/2-dependent anti-apoptotic pathway. [Article]. *Scientific Reports*, 7, 40961. doi: 10.1038/srep40961

<http://www.nature.com/articles/srep40961#supplementary-information>. <http://dx.doi.org/10.1038/srep40961>

Shepard, R., Beckett, E., & Coutellier, L. (2017). Assessment of the acquisition of executive function during the transition from adolescence to adulthood in male and female mice. *Developmental Cognitive Neuroscience*, 28, 29-40. doi: <https://doi.org/10.1016/j.dcn.2017.10.009>. <https://www.sciencedirect.com/science/article/pii/S1878929317301457>

Shepard, R., Heslin, K., Hagerdorn, P., & Coutellier, L. (2019). Downregulation of Npas4 in parvalbumin interneurons and cognitive deficits after neonatal NMDA receptor blockade: relevance for schizophrenia. *Translational Psychiatry*, 9(1), 99. doi: 10.1038/s41398-019-0436-3. <https://doi.org/10.1038/s41398-019-0436-3>

Shepard, R., Page, C. E., & Coutellier, L. (2016). Sensitivity of the prefrontal GABAergic system to chronic stress in male and female mice: Relevance for sex differences in stress-related disorders. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.06.038>. <http://www.sciencedirect.com/science/article/pii/S0306452216302779>

Shepherd, D. (2016). Examining the effects of anti-Nogo-A immunotherapy on post-stroke neurogenesis in the adult rat. Loyola University Chicago. Retrieved from <http://search.proquest.com/openview/f196ea3a12bdd002c1a443d44292c2a4/1?p...>

Shepherd, D. J., Tsai, S.-Y., Cappucci, S. P., Wu, J. Y., Farrer, R. G., & Kartje, G. L. (2017). The Subventricular Zone Response to Stroke Is Not a Therapeutic Target of Anti-Nogo-A Immunotherapy. *Journal of Neuropathology and Experimental Neurology*. doi: <https://academic.oup.com/jnen/article-abstract/doi/10.1093/jnen/nlx050/3...>

Sherer, M. L., Khanal, P., Talham, G., Brannick, E. M., Parcels, M. S., & Schwarz, J. M. (2019). Zika virus infection of pregnant rats and associated neurological consequences in the offspring. *Plos one*, 14(6), e0218539. doi: 10.1371/journal.pone.0218539. <https://doi.org/10.1371/journal.pone.0218539>

Sheroziya, M., & Timofeev, I. (2014). Global intracellular slow-wave dynamics of the thalamocortical system. *Journal of Neuroscience*, 34. doi: 10.1523/jneurosci.4460-13.2014. <http://dx.doi.org/10.1523/JNEUROSCI.4460-13.2014>

Sherwood, C. C., Duka, T., Stimpson, C. D., Schenker, N. M., Garrison, A. R., Schapiro, S. J., ... others. (2010). Neocortical synaptophysin asymmetry and behavioral lateralization in chimpanzees (*Pan troglodytes*). *European Journal of Neuroscience*, 31(8), 1456-1464. doi:

Sherwood, C. C., Holloway, R. L., Erwin, J. M., & Hof, P. R. (2004). Cortical Orofacial Motor Representation in Old World Monkeys, Great Apes, and Humans II. Stereologic Analysis of Chemoarchitecture. *Brain, Behavior and Evolution*, 63(2). doi.

Sherwood, C. C., Lee, P. W. H., Rivara, C. B., Holloway, R. L., Gilissen, E. P. E., Simmons, R. M. T., . . . Hof, P. R. (2003). Evolution of specialized pyramidal neurons in primate visual and motor cortex. *Brain, Behavior and Evolution*, 61(1), 28-44. doi.

Sherwood, C. C., Raghanti, M. A., Stimpson, C. D., Bonar, C. J., de Sousa, A. A., Preuss, T. M., & Hof, P. R. (2007). Scaling of inhibitory interneurons in areas V1 and V2 of anthropoid primates as revealed by calcium-binding protein immunohistochemistry. *Brain, Behavior and Evolution*, 69(3), 176-195. doi.

Sherwood, C. C., Raghanti, M. A., & Wenstrup, J. J. (2005). Is humanlike cytoarchitectural asymmetry present in another species with complex social vocalization? A stereologic analysis of mustached bat auditory cortex. *Brain Research*, 1045(1-2), 164-174. doi.

Sherwood, C. C., Stimpson, C. D., Butti, C., Bonar, C. J., Newton, A. L., Allman, J. M., & Hof, P. R. (2009). Neocortical neuron types in Xenarthra and Afrotheria: implications for brain evolution in mammals. *Brain Structure and Function*, 213(3), 301-328. doi.

Sherwood, C. C., Stimpson, C. D., Raghanti, M. A., Wildman, D. E., Uddin, M., Grossman, L. I., . . . Hof, P. R. (2006). Evolution of increased glia-neuron ratios in the human frontal cortex. *Proceedings of the National Academy of Sciences*, 0605843103. doi: 10.1073/Proceedings of the National Academy of Sciences.0605843103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/0605843103v1>

Sherwood, C. C., Stimpson, C. D., Raghanti, M. A., Wildman, D. E., Uddin, M., Grossman, L. I., . . . Hof, P. R. (2006). From the Cover: Evolution of increased glia-neuron ratios in the human frontal cortex. *Proceedings of the National Academy of Sciences*, 103(37), 13606-13611. doi: 10.1073/Proceedings of the National Academy of Sciences.0605843103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/37/13606>

Sherwood, C. C., Wahl, E., Erwin, J. M., Hof, P. R., & Hopkins, W. D. (2007). Histological Asymmetries of Primary Motor Cortex Predict Handedness in Chimpanzees (*Pan troglodytes*). *Journal of Comparative Neurology*, 203, 525-537. doi.

Shetty, A. K., Hattiangady, B., & Rao, M. S. (2009). Vulnerability of hippocampal GABA-ergic interneurons to kainate-induced excitotoxic injury during old age. *Journal of Cellular and Molecular Medicine*, 13(8b), 2408-2423. doi.

Shetty, A. K., Hattiangady, B., Rao, M. S., & Shuai, B. (2011). Deafferentation enhances neurogenesis in the young and middle aged hippocampus but not in the aged hippocampus. *Hippocampus*, 21(6), 631-646. doi: 10.1002/hipo.20776. <http://dx.doi.org/10.1002/hipo.20776>

Shetty, A. K., Hattiangady, B., Rao, M. S., & Shuai, B. (2012). Neurogenesis Response of Middle-Aged Hippocampus to Acute Seizure Activity. *Plos one*, 7(8), e43286. doi: 10.1371/journal.pone.0043286.
<http://dx.doi.org/10.1371%2Fjournal.pone.0043286>

Shetty, A. K., Hattiangady, B., & Shetty, G. A. (2005). Stem/progenitor cell proliferation factors FGF-2, IGF-1, and VEGF exhibit early decline during the course of aging in the hippocampus: Role of astrocytes *Glia*, 51(3), 173-186. doi.

Shetty, G., Porter, K. L., Zhou, W., Shao, S. H., Weng, C. C. Y., & Meistrich, M. L. (2011). Androgen Suppression-Induced Stimulation of Spermatogonial Differentiation in Juvenile Spermatogonial Depletion Mice Acts by Elevating the Testicular Temperature. *Endocrinology*, 152(9), 3504-3514. doi.

Shetty, G., Shao, S. H., & Weng, C. C. Y. (2008). p53-Dependent Apoptosis in the Inhibition of Spermatogonial Differentiation in Juvenile Spermatogonial Depletion (Utp14bjsd) Mice. *Endocrinology*, en.2007-1338. doi: 10.1210/en.2007-1338. <http://endo.endojournals.org/cgi/content/abstract/en.2007-1338v1>

Shetty, G., Weng, C. C. Y., Meachem, S. J., Bolden-Tiller, O. U., Zhang, Z., Pakarinen, P., . . . Meistrich, M. L. (2006). Both Testosterone and Follicle-Stimulating Hormone Independently Inhibit Spermatogonial Differentiation in Irradiated Rats. *Endocrinology*, 147(1), 472-482. doi: 10.1210/en.2005-0984.
<http://endo.endojournals.org/cgi/content/abstract/147/1/472>

Shetty, G., Zhou, W., Weng, C. C. Y., Shao, S. H., & Meistrich, M. L. (2016). Leydig cells contribute to the inhibition of spermatogonial differentiation after irradiation of the rat. *Andrology*, n/a-n/a. doi: 10.1111/andr.12168.
<http://dx.doi.org/10.1111/andr.12168>

Shevelkin, A. V., Terrillion, C. E., Abazyan, B. N., Kajstura, T. J., Jouroukhin, Y. A., Rudow, G. L., . . . Pletnikov, M. V. (2017). Expression of mutant DISC1 in Purkinje cells increases their spontaneous activity and impairs cognitive and social behaviors in mice. *Neurobiology of Disease*, 103, 144-153. doi: <http://doi.org/10.1016/j.nbd.2017.04.008>.
<http://www.sciencedirect.com/science/article/pii/S0969996117300827>

Shi, J., Longo, F. M., & Massa, S. M. (2013). A Small Molecule P75NTR Ligand Protects Neurogenesis after Traumatic Brain Injury. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1516. <http://dx.doi.org/10.1002/stem.1516>

Shi, L., Adams, M. M., Linville, M. C., Newton, J. G., Forbes, M. E., Long, A. B., . . . Brunso-Bechtold, J. K. (2007). Caloric restriction eliminates the aging-related decline in NMDA and AMPA receptor subunits in the rat hippocampus and induces homeostasis. *Experimental Neurology*, 206(1), 70-79. doi.

Shi, L., Argenta, A. E., Winseck, A. K., & Brunso-Bechtold, J. K. (2004). Stereological quantification of GAD-67⁺ immunoreactive neurons and boutons in the hippocampus of middle-aged and old Fischer 344 $\times$ Brown Norway rats. *Journal of Comparative Neurology*, 478(3), 282-291. doi.

Shi, L., Linville, M. C., Iversen, E., Molina, D. P., Yester, J., Wheeler, K. T., . . . Brunso-Bechtold, J. K. (2009). Maintenance of white matter integrity in a rat model of radiation-induced cognitive impairment. *Journal of the Neurological Sciences*, 285(1), 178-184. doi.

Shi, L., Linville, M. C., Tucker, E. W., Sonntag, W. E., & Brunso-Bechtold, J. K. (2004). Differential Effects of Aging and Insulin-like Growth Factor-1 on Synapses in CA1 of Rat Hippocampus. *Cerebral Cortex*, doi:10.1093/cercor/bhh158. doi.

Shi, L., Molina, D. P., Robbins, M. E., Wheeler, K. T., & Brunso-Bechtold, J. K. (2008). Hippocampal neuron number is unchanged 1 year after fractionated whole-brain irradiation at middle age. *International Journal of Radiation Oncology* Biology* Physics*, 71(2), 526-532. doi.

Shi, L., Pang, H., Linville, M. C., Bartley, A. N., Argenta, A. E., & Brunso-Bechtold, J. K. (2006). Maintenance of inhibitory interneurons and boutons in sensorimotor cortex between middle and old age in Fischer 344 X Brown Norway rats. *Journal of Chemical Neuroanatomy*, 32(1), 46-53. doi.

Shi, L., Poe, B. H., Constance Linville, M., Sonntag, W. E., & Brunso-Bechtold, J. K. (2002). Caloric restricted male rats demonstrate fewer synapses in layer 2 of sensorimotor cortex. *Brain Research*, 931(1), 32-40. doi.

Shi, W., Xianyu, A., Han, Z., Tang, X., Li, Z., Zhong, H., . . . Shi, S.-H. (2017). Ontogenetic establishment of order-specific nuclear organization in the mammalian thalamus. [Article]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4519

<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4519.html#suppl>

.....<http://dx.doi.org/10.1038/nn.4519>

Shi, Y., Lie, D. C., Taupin, P., Nakashima, K., Ray, J., Yu, R. T.,..... Evans, R. M. (2003). Expression and function of orphan nuclear receptor TLX in adult neural stem cells. *Nature*, 427, 78-83. doi.

Shih, C.-H., Chen, H.-Y., Lee, H.-C., & Tsai, H.-J. (2015). Purple Chromoprotein Gene Serves as a New Selection Marker for Transgenesis of the Microalga *Nannochloropsis oculata*. *Plos one*, 10(3), e0120780. doi: 10.1371/journal.pone.0120780. <http://dx.doi.org/10.1371%2Fjournal.pone.0120780>

Shih, T.-W., Lee, L.-J., Chang, H.-C., Lin, H.-W., & Chang, M.-S. (2020). An important role of PHRF1 in dendritic architecture and memory formation by modulating TGF- β signaling. *Scientific Reports*, 10(1), 10857. doi: 10.1038/s41598-020-67675-2. <https://doi.org/10.1038/s41598-020-67675-2>

Shijo, K., Ghavim, S., Harris, N. G., Hoyda, D. A., & Sutton, R. L. (2015). Glucose administration after traumatic brain injury exerts some benefits and no adverse effects on behavioral and histological outcomes. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2015.04.022>. <http://www.sciencedirect.com/science/article/pii/S000689931500311X>

Shilpa, B. M., Bhagya, V., Harish, G., Bharath, M. M., & Shankaranarayana Rao, B. S. (2017). Environmental enrichment ameliorates chronic immobilisation stress-induced spatial learning deficits and restores the expression of BDNF, VEGF, GFAP and glucocorticoid receptors. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.pnpb.2017.02.025>. <http://www.sciencedirect.com/science/article/pii/S027858461630197X>

Shimada, I. S., LeCompte, M. D., Granger, J. C., Quinlan, N. J., & Spees, J. L. (2012). Self-Renewal and Differentiation of Reactive Astrocyte-Derived Neural Stem/Progenitor Cells Isolated from the Cortical Peri-Infarct Area after Stroke. *Journal of Neuroscience*, 32(23), 7926-7940. doi: 10.1523/jneurosci.4303-11.2012. <http://www.jneurosci.org/content/32/23/7926.abstract>

Shimada, I. S., Peterson, B. M., & Spees, J. L. (2010). Isolation of Locally Derived Stem/Progenitor Cells From the Peri-Infarct Area That Do Not Migrate From the Lateral Ventricle After Cortical Stroke. *Stroke*, 41(9), e552-560. doi: 10.1161/strokeaha.110.589010. <http://stroke.ahajournals.org/cgi/content/abstract/41/9/e552>

Shin, D. M., Korada, S., Raballo, R., Shashikant, C. S., Simeone, A., Taylor, J. R., & Vaccarino, F. (2004). Loss of Glutamatergic Pyramidal Neurons in Frontal and Temporal Cortex Resulting from Attenuation of FGFR1 Signaling Is Associated with Spontaneous Hyperactivity in Mice. *Journal of Neuroscience*, 24(9), 2247-2258. doi: <http://www.jneurosci.org/cgi/content/abstract/24/9/2247>

Shin, E., Rogers, J. R., Devoto, P., Björklund, A., & Carta, M. (2014). Noradrenaline neuron degeneration contributes to motor impairments and development of L-DOPA-induced dyskinesia in a rat model of Parkinson's disease. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.04.011>. <http://www.sciencedirect.com/science/article/pii/S0014488614001137>

Shin, H. Y., Kim, H., Kwon, M. J., Hwang, D. H., Lee, K., & Kim, B. G. (2014). Molecular and Cellular Changes in the Lumbar Spinal Cord following Thoracic Injury: Regulation by Treadmill Locomotor Training. *Plos one*, 9(2), e88215. doi: 10.1371/journal.pone.0088215. <http://dx.doi.org/10.1371/journal.pone.0088215>

Shin, J. H., Ko, H. S., Kang, H., Lee, Y., Lee, Y. I., Pletinkova, O., . . . Dawson, T. M. (2011). PARIS (ZNF746) Repression of PGC-1 α Contributes to Neurodegeneration in Parkinson's Disease. *Cell*, 144(5), 689-702. doi: 10.1016/j.cell.2011.04.011

Shin, L., & Peterson, D. A. (2012). Impaired Therapeutic Capacity of Autologous Stem Cells in a Model of Type 2 Diabetes. *Stem Cells Translational Medicine*, 1(2), 125-135. doi: 10.1016/j.stem.2012.01.001

Shin, W. H., Park, S. J., & Kim, E. J. (2006). Protective effect of anthocyanins in middle cerebral artery occlusion and reperfusion model of cerebral ischemia in rats. *Life Sciences*, 79(2), 130-137. doi: 10.1016/j.lfs.2005.11.011

Shirvalkar, P., Seth, M., Schiff, N. D., & Herrera, D. G. (2006). Cognitive enhancement with central thalamic electrical stimulation. *Proceedings of the National Academy of Sciences*, 103(45), 17007-17012. doi: 10.1073/pnas.0608111103

Sciences.0604811103. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/103/45/17007>

Shitaka, Y., Tran, H. T., Bennett, R. E., Sanchez, L., Levy, M. A., Dikranian, K., & Brody, D. L. (2011). Repetitive closed-skull traumatic brain injury in mice causes persistent multifocal axonal injury and microglial reactivity. *Journal of Neuropathology and Experimental Neurology*, 70(7), 551-551. doi.

Shmelkov, S. V., Hormigo, A., Jing, D., Proenca, C. C., Bath, K. G., Milde, T., . . . others. (2010). Slitrk5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsive-like behaviors in mice. *Nature Medicine*, 16(5), 598-602. doi.

Shobin, E., Bowley, M. P., Estrada, L. I., Heyworth, N. C., Orczykowski, M. E., Eldridge, S. A., . . . Rosene, D. L. (2017). Microglia activation and phagocytosis: relationship with aging and cognitive impairment in the rhesus monkey. [journal article]. *GeroScience*, 1-22. doi: 10.1007/s11357-017-9965-y. <http://dx.doi.org/10.1007/s11357-017-9965-y>

Shojaat, S. S., Engman, S., Hofferber, J., Keomanivong, F., & Wauson, E. M. (2020). Loss of the nutrient receptor Tas1R3 reduces atherosclerotic plaque accumulation and hepatic steatosis in ApoE^{-/-} mice. *Journal of Physiology and Biochemistry*. doi: 10.1007/s13105-020-00768-8. <https://doi.org/10.1007/s13105-020-00768-8>

Shook, B. A., Lennington, J. B., Acabchuk, R. L., Halling, M., Sun, Y., Peters, J., . . . Conover, J. C. (2013). Ventriculomegaly associated with ependymal gliosis and declines in barrier integrity in the aging human and mouse brain. *Aging cell*, n/a-n/a. doi: 10.1111/acer.12184. <http://dx.doi.org/10.1111/acer.12184>

Shook, B. A., Manz, D. H., Peters, J. J., Kang, S., & Conover, J. C. (2012). Spatiotemporal Changes to the Subventricular Zone Stem Cell Pool through Aging. *Journal of Neuroscience*, 32(20), 6947-6956. doi.

Shors, T. J., Miesegaes, G., Beylin, A., Zhao, M., Rydel, T., & Gould, E. (2001). Neurogenesis in the adult is involved in the formation of trace memories. *Nature*, 410(6826), 372-376. doi.

Shtaya, A., Sadek, A.-R., Zaben, M., Seifert, G., Pringle, A., Steinhäuser, C., & Gray, W. P. (2018). AMPA receptors and seizures mediate hippocampal radial glia-like stem cell proliferation. *Glia*, 0(0). doi: doi:10.1002/glia.23479. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23479>

Shu, S., Zhang, Z., Spicer, D., Kulikowicz, E., Hu, K., Babapoor-Farrokhran, S., . . . Robertson, C. L. (2019). Administration of a 20-Hydroxyeicosatetraenoic Acid Synthesis Inhibitor Improves Outcome in a Rat Model of Pediatric Traumatic Brain Injury. *Developmental Neuroscience*. doi: 10.1159/000500895. <https://www.karger.com/DOI/10.1159/000500895>

Shults, C. W., Ray, J., Tsuboi, K., & Gage, F. H. (2000). Fibroblast growth factor-2-producing fibroblasts protect the nigrostriatal dopaminergic system from 6-hydroxydopamine. *Brain Research*, 883(2), 192-204. doi.

Shumsky, J. S., Wu, Y., Murphy, E. H., Nissanov, J., O'Brien-Jenkins, A., & Grayson, D. R. (2002). Differential effects of prenatal cocaine exposure on selected subunit mRNAs of the GABAA receptor in rabbit anterior cingulate cortex. *Journal of Chemical Neuroanatomy*, 24(4), 243-255. doi.

Shyng, C., Nelvagal, H. R., Dearborn, J. T., Tyynelä, J., Schmidt, R. E., Sands, M. S., & Cooper, J. D. (2017). Synergistic effects of treating the spinal cord and brain in CLN1 disease. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1701832114. <http://www.pnas.org/content/early/2017/06/27/1701832114.abstract>

Shynlova, O., Kwong, R., & Lye, S. J. (2010). Mechanical stretch regulates hypertrophic phenotype of the myometrium during pregnancy. *Reproduction, Fertility, and Development*, 139(1), 247-253. doi.

Si, L., Wang, H., & Wang, L. (2020). Suppression of miR-193a alleviates neuroinflammation and improves neurological function recovery after traumatic brain injury (TBI) in mice. *Biochemical and Biophysical Research Communications*. doi: <https://doi.org/10.1016/j.bbrc.2019.11.095>. <http://www.sciencedirect.com/science/article/pii/S0006291X19322211>

Sibbe, M., Häussler, U., Dieni, S., Althof, D., Haas, C. A., & Frotscher, M. (2012). Experimental epilepsy affects Notch1 signalling and the stem cell pool in the dentate gyrus. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/j.1460-9568.2012.08279.x. <http://dx.doi.org/10.1111/j.1460-9568.2012.08279.x>

Siddiqi, F., Chen, F., Aron, A. W., Fiondella, C. G., Patel, K., & LoTurco, J. J. (2012). Fate Mapping by PiggyBac Transposase Reveals That Neocortical GLAST+ Progenitors Generate More Astrocytes Than Nestin+ Progenitors in Rat Neocortex. *Cerebral Cortex*. doi: 10.1093/cercor/bhs332. <http://cercor.oxfordjournals.org/content/early/2012/10/31/cercor.bhs332>

Siddiqi, F. H., Menzies, F. M., Lopez, A., Stamatakou, E., Karabiyik, C., Ureshino, R., . . . Rubinsztein, D. C. (2019). Felodipine induces autophagy in mouse brains with pharmacokinetics amenable to repurposing. *Nature Communications*, 10(1), 1817. doi: 10.1038/s41467-019-09494-2. <https://doi.org/10.1038/s41467-019-09494-2>

Siddiqui, A., Chinta, S. J., Mallajosyula, J. K., Rajagopalan, S., Hanson, I., Rane, A., & Andersen, J. K. (2012). Selective binding of nuclear alpha-synuclein to the PGC1alpha promoter under conditions of oxidative stress may contribute to losses in mitochondrial function: Implications for Parkinson's disease. *Free Radical Biology and Medicine*, (o). doi: 10.1016/j.freeradbiomed.2012.05.024. <http://www.sciencedirect.com/science/article/pii/S0891584912002699>

Siddiqui, A., Rane, A., Rajagopalan, S., Chinta, S. J., & Andersen, J. K. (2016). Detrimental effects of oxidative losses in parkin activity in a model of sporadic Parkinson's disease are attenuated by restoration of PGC1alpha. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.05.009>. <http://www.sciencedirect.com/science/article/pii/S0969996116301036>

Siddu, A., David, L. S., Lauinger, N., Chen, C. X., St-Pierre, M., Alpaugh, M., . . . Cicchetti, F. (2020). Beneficial effects of cysteamine in Thy1- α -Syn mice and induced pluripotent stem cells with a SNCA gene triplication. *Neurobiology of Disease*, 105042. doi: <https://doi.org/10.1016/j.nbd.2020.105042>.
<http://www.sciencedirect.com/science/article/pii/S096999612030317X>

Siegel, J. M., Nienhuis, R., Gulyani, S., Ouyang, S., Wu, M., Mignot, E., . . . Cornford, M. (1999). Neuronal Degeneration in Canine Narcolepsy. *Journal of Neuroscience*, 19, 248-257. doi.

Sierksma, A. S. R., Prickaerts, J., Chouliaras, L., Rostamian, S., Delbroek, L., Rutten, B. P. F., . . . van den Hove, D. L. A. (2012). Behavioral and neurobiological effects of prenatal stress exposure in male and female APPswe/PS1dE9 mice. *Neurobiology of Aging*, (0). doi: 10.1016/j.neurobiolaging.2012.05.012.
<http://www.sciencedirect.com/science/article/pii/S0197458012002990>

Sierksma, A. S. R., Rutten, K., Sydlik, S., Rostamian, S., Steinbusch, H. W. M., van den Hove, D. L. A., & Prickaerts, J. (2012). Chronic phosphodiesterase type 2 inhibition improves memory in the APPswe/PS1dE9 mouse model of Alzheimer's disease. *Neuropharmacology*, (0). doi: 10.1016/j.neuropharm.2012.06.048.
<http://www.sciencedirect.com/science/article/pii/S0028390812003061>

Sierra, A., Michaeli, S., Niskanen, J. P., Valonen, P. K., Gröhn, H. I., Ylä-Herttuala, S., . . . Gröhn, O. H. (2008). Water spin dynamics during apoptotic cell death in glioma gene therapy probed by T1rho and T2rho. *Magnetic Resonance in Medicine*, 59(6), 1311-1319. doi.

Sieveritz, B., & Arbuthnott, G. W. (2020). Prelimbic cortical targets of ventromedial thalamic projections include inhibitory interneurons and corticostriatal pyramidal neurons in the rat. *Brain Structure and Function*. doi: 10.1007/s00429-020-02109-3. <https://doi.org/10.1007/s00429-020-02109-3>

Siiskonen, H., Oikari, S., Korhonen, V. P., Pitkänen, A., Voikar, V., Kettunen, M., . . . Herzig, K. (2007). Diazepam binding inhibitor overexpression in mice causes hydrocephalus, decreases plasticity in excitatory synapses and impairs hippocampus-dependent learning. *Molecular and Cellular Neuroscience*, 34(2), 199-208. doi.

Sikora, M., Scheiner, D., Betschart, C., Perucchini, D., Mateos, J., di Natale, A., . . . Maake, C. (2014). Label-free, three-dimensional multiphoton microscopy of the connective tissue in the anterior vaginal wall. *International Urogynecology Journal*, 1-7. doi: 10.1007/s00192-014-2571-y. <http://dx.doi.org/10.1007/s00192-014-2571-y>

Silbereis, J., Cheng, E., Ganat, Y. M., Ment, L. R., & Vaccarino, F. M. (2009). Precursors with Glial Fibrillary Acidic Protein Promoter Activity Transiently Generate GABA Interneurons in the Postnatal Cerebellum. *Stem Cells*, 27(5), 1152-1163. doi: 10.1002/stem.18. <http://stemcells.alphamedpress.org/cgi/content/abstract/27/5/1152>

Silbereis, J., Heintz, T., Taylor, M. M., Ganat, Y., Ment, L. R., Bordey, A., & Vaccarino, F. (2010). Astroglial cells in the external granular layer are precursors of cerebellar granule neurons in neonates. *Molecular and Cellular Neuroscience*, 44(4), 362-373. doi.

Sullivan, S. E., & Konradi, C. (2011). Expression and function of dopamine receptors in the developing medial frontal cortex and striatum of the rat. *Neuroscience*. doi.

Silva, J. d. N., Oliveira, L. M., Souza, F. C., Moreira, T. S., & Takakura, A. C. (2020). GABAergic neurons of the medullary raphe regulate active expiration during hypercapnia. *Journal of Neurophysiology*, 0(0), null. doi: 10.1152/jn.00698.2019. <https://journals.physiology.org/doi/abs/10.1152/jn.00698.2019>

Silva, R., Lu, J., Wu, Y., Martins, L., Almeida, O. F. X., & Sousa, N. (2006). Mapping cellular gains and losses in the postnatal dentate gyrus: implications for psychiatric disorders. *Experimental Neurology*, 200(2), 321-331. doi.

Silva, R., Martins, L., Longatto-Filho, A., Almeida, O. F. X., & Sousa, N. (2007). Lithium prevents stress-induced reduction of vascular endothelium growth factor levels. *Neuroscience Letters*, 429(1), 33-38. doi.

Silva, R., Mesquita, A. R., Bessa, J., Sousa, J. C., Sotiropoulos, I., Leao, P., . . . Sousa, N. (2008). Lithium blocks stress-induced changes in depressive-like behavior and hippocampal cell fate: The role of glycogen-synthase-kinase-3 [beta]. *Neuroscience*, 152(3), 656-669. doi.

Silva, R. M., Ries, V., Oo, T. F., Yarygina, O., Jackson-Lewis, V., Ryu, E. J., . . . Burke, R. E. (2005). CHOP/GADD153 is a mediator of apoptotic death in substantia nigra dopamine neurons in an in vivo neurotoxin model of parkinsonism. *Journal of Neurochemistry*, 95(4), 974-986. doi: doi:10.1111/j.1471-4159.2005.03428.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03428.x>

Silva-Fernandes, A., Costa, M. C., Duarte-Silva, S., Oliveira, P., Botelho, C. M., Martins, L., . . . others. (2010). Motor uncoordination and neuropathology in a transgenic mouse model of Machado-Joseph disease lacking intranuclear inclusions and ataxin-3 cleavage products. *Neurobiology of Disease*, 40(1), 163-176. doi.

Silver, M. A., Fagiolini, M., Gillespie, D. C., Howe, C. L., Frank, M. G., Issa, N. P., . . . Stryker, M. P. (2001). Infusion of nerve growth factor (NGF) into kitten visual cortex increases immunoreactivity for NGF, NGF receptors, and choline acetyltransferase in basal forebrain without affecting ocular dominance plasticity or column development. *Neuroscience*, 108(4), 569-585. doi.

Sim, B., & Rae, C. (2011). The effect of Duchenne Muscular Dystrophy on Purkinje cell number in the mdx mouse. *Australian Medical Student Journal*, 2(1). doi.

Sim, F. J., McClain, C. R., Schanz, S. J., Protack, T. L., Windrem, M. S., & Goldman, S. A. (2011). CD140a identifies a population of highly myelinogenic, migration-competent and efficiently engrafting human oligodendrocyte progenitor cells. *Nature Biotechnology*, 29(10), 934-941. doi.

Simamura, E., Shimada, H., Higashi, N., Uchishiba, M., Otani, H., & Hatta, T. (2010). Maternal leukemia inhibitory factor (LIF) promotes fetal neurogenesis via a LIF-ACTH-LIF signaling relay pathway. *Endocrinology*, 151(4), 1853-1853. doi.

Simanainen, U., Adamsson, A., Tuomisto, J. T., Miettinen, H. M., Toppari, J., Tuomisto, J., & Viluksela, M. (2004). Adult 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) Exposure and Effects on Male Reproductive Organs in Three Differentially TCDD-Susceptible Rat Lines.

Toxicological Sciences, 81(2), 401-407. doi:

10.1093/toxsci/kfh212. <http://toxsci.oxfordjournals.org/cgi/content/abstract/81/2/401>

Símamo, C., Zetina, M. E., Cifuentes, F., & Morales, M. A. (2009). Segregation of met¹ Cœnkephalin from vesicular acetylcholine transporter and choline acetyltransferase in sympathetic preganglionic varicosities mostly lacking synaptophysin and synaptotagmin.

Neuroscience, 163(1), 180-189. doi.

Simard, A. R., Soulet, D., Gowing, G., Julien, J. P., & Rivest, S. (2006). Bone marrow-derived microglia play a critical role in restricting senile plaque formation in Alzheimer's disease. *Neuron*, 49(4), 489-502. doi.

Simi, A., Porsmyr-Palmertz, M., Hjertén, A., Ingelman-Sundberg, M., & Tindberg, N. (2002). The neuroprotective agents chlomethiazole and SB203580 inhibit IL-1 β signalling but not its biosynthesis in rat cortical glial cells. *Journal of Neurochemistry*, 83, 727-737. doi.

Simic, G., Bexheti, S., Kelovic, Z., Kos, M., Grbic, K., Hof, P. R., & Kostovic, I. (2005). Hemispheric asymmetry, modular variability and age-related changes in the human entorhinal cortex.

Neuroscience, 130(4), 911-925. doi.

Simkins, T. J., Janis, K. L., McClure, A. K., Behrouz, B., Pappas, S. S., Lehner, A., . . . Kaplan, B. L. F. (2012). Comparison of the D2 Receptor Regulation and Neurotoxicant Susceptibility of Nigrostriatal Dopamine Neurons in Wild-Type and CB1/CB2 Receptor Knockout Mice. *Journal of Neuroimmune Pharmacology*, 1-6. doi.

Simmons, D. A., Belichenko, N. P., Yang, T., Condon, C., Monbureau, M., Shamloo, M., . . . Longo, F. M. (2013). A Small Molecule TrkB Ligand Reduces Motor Impairment and Neuropathology in R6/2 and BACHD Mouse Models of Huntington's Disease. *Journal of Neuroscience*, 33(48), 18712-18727.

doi: <http://www.jneurosci.org/content/33/48/18712.short>

Simmons, D. A., Mills, B. D., Butler Iii, R. R., Kuan, J., McHugh, T. L. M., Akers, C., . . . Longo, F. M. (2021). Neuroimaging, Urinary, and Plasma Biomarkers of Treatment Response in Huntington's Disease: Preclinical Evidence with the p75NTR Ligand LM11A-31.

Neurotherapeutics. doi: 10.1007/s13311-021-01023-8.

<https://doi.org/10.1007/s13311-021-01023-8>

Simms, M. L., Kemper, T. L., Timbie, C. M., Bauman, M. L., & Blatt, G. J. (2009). The anterior cingulate cortex in autism: heterogeneity of qualitative and quantitative cytoarchitectonic features suggests possible subgroups. *Acta Neuropathologica*, 118(5), 673-684. doi.

Simon, C. M., Sharif, S., Tan, R. P., & LaPlaca, M. C. (2009). Spinal cord contusion causes acute plasma membrane damage. *Journal of Neurotrauma*, 26(4), 563-574. doi.

Simon, K. E., Mondares, R. L., Born, D. E., & Gleason, C. A. (2008). The effects of binge alcohol exposure in the 2nd trimester on the estimated density of cerebral microvessels in near-term fetal sheep. *Brain Research*, 1231, 75-80. doi.

Simpson, J., & Keefe, J. (2012). Differential effects of RET and TRKB on axonal branching and survival of parasympathetic neurons. *Developmental Neurobiology*. doi.

Sims-Lucas, S. (2012). Analysis of 3D Branching Pattern: Hematoxylin and Eosin Method. *Methods in Molecular Biology*, 886, 73. doi.

Sims-Lucas, S., Argyropoulos, C., Kish, K., McHugh, K., Bertram, J. F., Quigley, R., & Bates, C. M. (2009). Three-dimensional imaging reveals ureteric and mesenchymal defects in *Fgfr2*-mutant kidneys. *Journal of the American Society of Nephrology*, 20(12), 2525-2533. doi.

Sims-Lucas, S., Cusack, B., Baust, J., Eswarakumar, V. P., Masatoshi, H., Takeuchi, A., & Bates, C. M. (2011). *Fgfr1* and the *Ilc* isoform of *Fgfr2* play critical roles in the metanephric mesenchyme mediating early inductive events in kidney development. *Developmental Dynamics*, 240(1), 240-249. doi: 10.1002/dvdy.22501. <http://dx.doi.org/10.1002/dvdy.22501>

Sims-Lucas, S., Cusack, B., Eswarakumar, V. P., Zhang, J., Wang, F., & Bates, C. M. (2011). Independent roles of *Fgfr2* and *Frs2α* in ureteric epithelium. *Development*, 138(7), 1275-1280. doi: 10.1242/dev.062158. <http://dev.biologists.org/content/138/7/1275.abstract>

Sinclair, E. B., Culbert, K. M., Gradl, D. R., Richardson, K. A., Klump, K. L., & Sisk, C. L. (2015). Differential mesocorticolimbic responses to palatable food in binge eating prone and binge eating resistant female rats. *Physiology and Behavior*. doi. <http://www.sciencedirect.com/science/article/pii/S0031938415301426>

Singaraja, R. R., Huang, K., Sanders, S. S., Milnerwood, A. J., Hines, R., Lerch, J. P., . . . Hayden, M. R. (2011). Altered palmitoylation and neuropathological deficits in mice lacking HIP14. *Human Molecular Genetics*, ddr308. doi: 10.1093/hmg/ddr308. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddr308v2>

Singh, B. K., Vatsa, N., Nelson, V. K., Kumar, V., Kumar, S. S., Mandal, S. C., . . . Jana, N. R. (2018). Azadiradione Restores Protein Quality Control and Ameliorates the Disease Pathogenesis in a Mouse Model of Huntington's Disease. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-017-0853-3. <https://doi.org/10.1007/s12035-017-0853-3>

Singh, R. P., Shen, L., & Zhou, F. C. (2012). The Stereology and 3D Volume Analyses in Nervous Tissue. Springer Protocols Handbooks. doi.

Singh, U. A., & Iyengar, S. (2019). The expression of DARPP-32 in adult male zebra finches (*Taenopygia guttata*). [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-019-01947-0. <https://doi.org/10.1007/s00429-019-01947-0>

Singh-Bains, M. K., Mehrabi, N. F., Sehji, T., Austria, M. D. R., Tan, A. Y. S., Tippet, L. J., . . . Faull, R. L. M. (2019). Cerebellar degeneration correlates with motor symptoms in Huntington's disease. *Annals of Neurology*, o(ja). doi: doi:10.1002/ana.25413. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25413>

Singh-Bains, M. K., Tippet, L. J., Hogg, V. M., Synek, B. J., Roxburgh, R. H., Waldvogel, H. J., & Faull, R. L. M. (2016). Globus pallidus degeneration and clinico-pathological features of Huntington's disease. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24694. <http://dx.doi.org/10.1002/ana.24694>

Sinha, N., Zhou, A., Li, Y., Joseph-Mathurin, N., Xiong, C., Morris, J. C., . . . Cairns, N. J. (2019). Stereologic measures of beta-amyloid load in postmortem autosomal dominant Alzheimer disease brain validate PiB-PET as a useful biomarker. *Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques*, 46(s2), S60-S61. doi: DOI: 10.1017/cjn.2019.257. <https://www.cambridge.org/core/article/stereologic-measures-of-betaamylo...>

Sinha, S. P., Avcu, P., Spiegler, K. M., Komaravolu, S., Kim, K., Cominski, T., . . . C. H. Pang, K. (2017). Startle suppression after mild traumatic brain injury is associated with an increase in pro-inflammatory cytokines, reactive gliosis and neuronal loss in the caudal pontine reticular nucleus. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2017.01.006>.
<http://www.sciencedirect.com/science/article/pii/S0889159117300065>

Sipal, S., Halici, Z., Kiki, I., Polat, B., Albayrak, A., Albayrak, F., . . . Gundogdu, C. (2012). Comparative study of three angiotensin II type 1 receptor antagonists in preventing liver fibrosis in diabetic rats: stereology, histopathology, and electron microscopy. *Journal of molecular Histology*, 1-13. doi: 10.1007/s10735-012-9441-z. <http://dx.doi.org/10.1007/s10735-012-9441-z>

Siracusa, R., Paterniti, I., Cordaro, M., Crupi, R., Bruschetta, G., Campolo, M., . . . Esposito, E. (2017). Neuroprotective Effects of Temsirolimus in Animal Models of Parkinson's Disease. [journal article]. *Molecular Neurobiology*, 1-17. doi: 10.1007/s12035-017-0496-4. <http://dx.doi.org/10.1007/s12035-017-0496-4>

Siriphorn, A., Chompoopong, S., & Floyd, C. L. (2010). 17 β -Estradiol protects Schwann cells against H₂O₂-induced cytotoxicity and increases transplanted Schwann cell survival in a cervical hemiconfusion spinal cord injury model. *Journal of Neurochemistry*, 115(4), 864-872. doi.

Siriphorn, A., Dunham, K. A., Chompoopong, S., & Floyd, C. L. (2012). Post-injury administration of 17 β -estradiol induces protection in the gray and white matter with associated functional recovery after cervical spinal cord injury in male rats. *Journal of Comparative Neurology*. doi.

Skefos, J., Cummings, C., Enzer, K., Holiday, J., Weed, K., Levy, E., . . . Bauman, M. (2014). Regional Alterations in Purkinje Cell Density in Patients with Autism. *Plos one*, 9(2), e81255. doi: 10.1371/journal.pone.0081255. <http://dx.doi.org/10.1371/journal.pone.0081255>

Skladnev, N. V., Ganeshan, V., Kim, J. Y., Burton, T., Mitrofanis, J., Stone, J., & Johnstone, D. M. (2016). Widespread brain transcriptome alterations underlie the neuroprotective actions of dietary saffron. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13857. <http://dx.doi.org/10.1111/jnc.13857>

Skopin, M. D., Kabadi, S. V., Viechweg, S. S., Mong, J. A., & Faden, A. I. (2014). Chronic decrease in wakefulness and disruption of sleep-wake behavior after experimental traumatic brain injury. *Journal of Neurotrauma*, (ja). doi: <http://online.liebertpub.com/doi/abs/10.1089/neu.2014.3664>

Skovira, J. W., Kabadi, S. V., Wu, J., Zhao, Z., DuBose, J., Rosenthal, R. E., . . . Faden, A. I. (2015). Simulated Aeromedical Evacuation Exacerbates Experimental Brain Injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4189. <http://dx.doi.org/10.1089/neu.2015.4189>

Skovira, J. W., Wu, J., Matyas, J. J., Kumar, A., Hanscom, M., Kabadi, S. V., . . . Faden, A. I. (2016). Cell cycle inhibition reduces inflammatory responses, neuronal loss, and cognitive deficits induced by hypobaric exposure following traumatic brain injury. [journal article]. *Journal of neuroinflammation*, 13(1), 299. doi: 10.1186/s12974-016-0769-2. <http://dx.doi.org/10.1186/s12974-016-0769-2>

Skipuletz, T., Schmiedl, A., Schade, J., Bedoui, S., Glaab, T., Pabst, R., . . . Stephan, M. (2007). Dose-dependent recruitment of CD25⁺ and CD26⁺ T cells in a novel F344 rat model of asthma. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, 292(6), L1564-1571. doi: 10.1152/ajplung.00273.2006. http://ajplung.physiology.org/cgi/content/abstract/292/6/L1_564

Slater, B. J., Vilson, F. L., Guo, Y., Weinreich, D., Hwang, S., & Bernstein, S. L. (2013). Optic nerve inflammation and demyelination in a rodent model of nonarteritic anterior ischemic optic neuropathy. *Investigative Ophthalmology and Visual Science*. doi: 10.1167/iovs.13-12064. <http://www.iovs.org/content/early/2013/09/20/iovs.13-12064.abstract>

Slater, B. J., Willis, A. M., & Llano, D. A. (2012). Evidence for Layer-Specific Differences in Auditory Corticocollicular Neurons. *Neuroscience*, (o). doi: 10.1016/j.neuroscience.2012.10.053. http://www.sciencedirect.com/science/article/pii/S03_06452212010779?v=s5

Slikker, W., Pogge, A., Walker, R., Chatziannou, A., Charles, C., & Ellisman, M. H. (2004). Neuroimaging: strategies to illuminate environment-disease linkages session II. Summary and Research Needs. *NeuroToxicology*, 25, 501-502. doi.

Slomianka, L., & West, M. J. (2005). Estimators of the precision of stereological estimates: an example based on the CA1 pyramidal cell layer of rats. *Neuroscience*, 136, 757-767. doi.

Slow, E. J., Raamsdonk, J. v., Rogers, D., Coleman, S. H., Graham, R. K., Deng, Y., . . . Hayden, M. R. (2003). Selective striatal neuronal loss in a YAC128 mouse model of Huntington disease. *Human Molecular Genetics*, 12(13), 1555-1567. doi.

Smedowski, A., Liu, X., Pietrucha-Dutczak, M., Matuszek, I., Varjosalo, M., & Lewin-Kowalik, J. (2016). Predegenerated Schwann cells—a novel prospect for cell therapy for glaucoma: neuroprotection, neuroregeneration and neuroplasticity. *Scientific Reports*, 6, 23187. doi: <http://www.nature.com/articles/srep23187>

Smedowski, A., Liu, X., Podracka, L., Akhtar, S., Trzeciecka, A., Pietrucha-Dutczak, M., . . . Amadio, M. (2018). Increased intraocular pressure alters the cellular distribution of HuR protein in retinal ganglion cells – A possible sign of endogenous neuroprotection failure. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1864(1), 296-306. doi: <https://doi.org/10.1016/j.bbadis.2017.10.030>.
<http://www.sciencedirect.com/science/article/pii/S0925443917303940>

Smeyne, R. J., Breckenridge, C. B., Beck, M., Jiao, Y., Butt, M. T., Wolf, J. C., . . . Botham, P. A. (2016). Assessment of the Effects of MPTP and Paraquat on Dopaminergic Neurons and Microglia in the Substantia Nigra Pars Compacta of C57BL/6 Mice. *Plos one*, 11(10), e0164094. doi: 10.1371/journal.pone.0164094. <http://dx.doi.org/10.1371%2Fjournal.pone.0164094>

Smiley, J. F., Rosoklija, G., Mancevski, B., Mann, J. J., Dwork, A. J., & Javitt, D. C. (2009). Altered volume and hemispheric asymmetry of the superficial cortical layers in the schizophrenia planum temporale. *European Journal of Neuroscience*, 30(3), 449-463. doi.

Smiley, J. F., Rosoklija, G., Mancevski, B., Pergolizzi, D., Figarsky, K., Bleiwas, C., . . . Dwork, A. J. (2011). Hemispheric comparisons of neuron density in the planum temporale of schizophrenia and nonpsychiatric brains. *Psychiatry Research: Neuroimaging*, 192(1), 1-11. doi.

Smith, A. L., Alexander, M., Chrobak, J., Rosenkrantz, T., & Fitch, R. (2015). Dissociation in the Effects of Induced Neonatal Hypoxia-Ischemia on Rapid Auditory Processing and Spatial Working Memory in Male Rats. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/Abstract/375487>

Smith, A. L., Alexander, M., Rosenkrantz, T. S., Sadek, M. L., & Fitch, R. H. (2014). Sex differences in behavioral outcome following neonatal hypoxia ischemia: Insights from a clinical meta-analysis and a rodent model of induced hypoxic ischemic brain injury. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.01.003>.
<http://www.sciencedirect.com/science/article/pii/S0014488614000168>

Smith, B. R., Santos, M. B., Marshall, M. S., Cantuti-Castelvetri, L., Lopez-Rosas, A., Li, G., . . . Bongarzone, E. R. (2014). Neuronal inclusions of α -synuclein contribute to the pathogenesis of Krabbe disease. *The Journal of Pathology*, n/a-n/a. doi: 10.1002/path.4328. <http://dx.doi.org/10.1002/path.4328>

Smith, C. A., MacDonald, A., & Holahan, M. R. (2011). Acute postnatal exposure to di (2-ethylhexyl) phthalate adversely impacts hippocampal development in the male rat. *Neuroscience*. doi.

Smith, C. C., Guévremont, D., Williams, J. M., & Napper, R. M. A. (2015). Apoptotic Cell Death and Temporal Expression of Apoptotic Proteins Bcl-2 and Bax in the Hippocampus, Following Binge Ethanol in the Neonatal Rat Model. *Alcoholism: Clinical and Experimental Research*, 39(1), 36-44. doi: 10.1111/acer.12606.
<http://dx.doi.org/10.1111/acer.12606>

Smith, D. E., Rapp, P. R., McKay, H. M., Roberts, J. A., & Tuszynski, M. H. (2004). Memory Impairment in Aged Primates Is Associated with Focal Death of Cortical Neurons and Atrophy of Subcortical Neurons. *Journal of Neuroscience*, 24(18), 4373-4381.

doi: <http://www.jneurosci.org/cgi/content/abstract/24/18/4373>

Smith, D. E., Roberts, J., Gage, F. H., & Tuszynski, M. H. (1999). Age-associated neuronal atrophy occurs in the primate brain and is reversible by growth factor gene therapy. *Proceedings of the National Academy of Sciences*, 96(19), 10893-10898. doi: 10.1073/Proceedings of the National Academy of Sciences.96.19.10893. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/96/19/10893>

Smith, D. W., Bailes, J. E., Fisher, J. A., Robles, J., Turner, R. C., & Mills, J. D. (2012). Internal Jugular Vein Compression Mitigates Traumatic Axonal Injury in a Rat Model by Reducing the Intracranial Slosh Effect. *Neurosurgery*, 70(3), 740-740. doi.

Smith, E. J., Stroemer, R. P., Gorenkova, N., Nakajima, M., Crum, W. R., Tang, E., . . . Modo, M. (2011). Implantation Site and Lesion Topology Determine Efficacy of a Human Neural Stem Cell Line in a Rat Model of Chronic Stroke. *Stem Cells*. doi.

Smith, G. A., Rocha, E. M., McLean, J. R., Hayes, M. A., Izen, S. C., Isacson, O., & Hallett, P. J. (2014). Progressive axonal transport and synaptic protein changes correlate with behavioral and neuropathological abnormalities in the heterozygous Q175 KI mouse model of Huntington's disease. *Human Molecular Genetics*. doi: 10.1093/hmg/ddu166.

<http://hmg.oxfordjournals.org/content/early/2014/04/12/hmg.ddu.166.abstract>

Smith, G. A., Rocha, E. M., Rooney, T., Barneoud, P., McLean, J. R., Beagan, J., . . . Isacson, O. (2015). A Nurr1 Agonist Causes Neuroprotection in a Parkinson's Disease Lesion Model Primed with the Toll-Like Receptor 3 dsRNA Inflammatory Stimulant Poly(I:C). *Plos one*, 10(3), e0121072. doi:

10.1371/journal.pone.0121072. <http://dx.doi.org/10.1371%2Fjournal.pone.0121072>

Smith, H. R., & Pang, K. C. H. (2005). Orexin-saporin lesions of the medial septum impair spatial memory. *Neuroscience*, 132(2), 261-271. doi.

Smith, I., Pang, K. C. H., Servatius, R. J., Jiao, X., & Beck, K. D. (2016). Paired-housing selectively facilitates within-session extinction of avoidance behavior, and increases c-Fos expression in the medial prefrontal cortex, in anxiety vulnerable Wistar-Kyoto Rats. *Physiology and Behavior*.

doi: <http://dx.doi.org/10.1016/j.physbeh.2016.05.044>.

<http://www.sciencedirect.com/science/article/pii/S0031938416303134>

Smith, J. M., Hechtman, A., & Swann, J. (2010). Fluctuations in cellular proliferation across the light/dark cycle in the subgranular zone of the dentate gyrus in the adult male Syrian hamster. *Neuroscience Letters*, 473(3), 192-195. doi.

Smith, K. M., Fagel, D. M., Stevens, H. E., Rabenstein, R. L., Maragnoli, M. E., Ohkubo, Y., . . . Vaccarino, F. M. (2008). Deficiency in inhibitory cortical interneurons associates with

hyperactivity in fibroblast growth factor receptor 1 mutant mice. *Biological Psychiatry*, 63(10), 953-962. doi.

Smith, K. M., Maragnoli, M. E., Phull, P. M., Tran, K. M., Choubey, L., & Vaccarino, F. M. (2014). Fgfr1 Inactivation in the Mouse Telencephalon Results in Impaired Maturation of Interneurons Expressing Parvalbumin. *Plos one*, 9(8), e103696. doi: 10.1371/journal.pone.0103696. <http://dx.doi.org/10.1371%2Fjournal.pone.0103696>

Smith, K. M., Matson, S., Matson, W. R., Cormier, K., Del Signore, S. J., Hagerty, S. W., . . . Ferrante, R. J. (2006). Dose ranging and efficacy study of high-dose coenzyme Q10 formulations in Huntington's disease mice. *Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease*, 1762(6), 616-626. doi.

Smith, K. M., Ohkubo, Y., Maragnoli, M. E., Rašin, M. R., Schwartz, M. L., Šestan, N., & Vaccarino, F. M. (2006). Midline radial glia translocation and corpus callosum formation require FGF signaling. *Nature Neuroscience*, 9(6), 787-797. doi.

Smith, P. L., Hagberg, H., Naylor, A. S., & Mallard, C. (2014). Neonatal Peripheral Immune Challenge Activates Microglia and Inhibits Neurogenesis in the Developing Murine Hippocampus. *Developmental Neuroscience*. doi: <http://www.karger.com/Article/FullText/359950>

Smith, R., Puschmann, A., Schöll, M., Ohlsson, T., van Swieten, J., Honer, M., . . . Hansson, O. (2016). 18F-AV-1451 tau PET imaging correlates strongly with tau neuropathology in MAPT mutation carriers. [10.1093/brain/aww163]. *Brain*. doi: <http://brain.oxfordjournals.org/content/early/2016/06/27/brain.aww163.ab...>

Smoldlaka, H., Khamas, W. A., Palmer, L., Lui, B., Borovac, J. A., Cohn, B. A., & Schmitz, L. (2016). Eye histology and ganglion cell topography of northern elephant seals (*Mirounga angustirostris*). *The Anatomical Record*, n/a-n/a. doi: 10.1002/ar.23342. <http://dx.doi.org/10.1002/ar.23342>

Smorodchenko, A., Wuerfel, J., Pohl, E. E., Vogt, J., Tysiak, E., Glumm, R., . . . Infante-Duarte, C. (2007). CNS-irrelevant T-cells enter the brain, cause blood-brain barrier disruption but no glial pathology. *European Journal of Neuroscience*, 26(6), 1387-1398. doi: doi:10.1111/j.1460-9568.2007.05792.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05792.x>

Smrt, R. D., Eaves-Egenes, J., Barkho, B. Z., Santistevan, N. J., Zhao, C., Aimone, J. B., . . . Zhao, X. (2007). Mecp2 deficiency leads to delayed maturation and altered gene expression in hippocampal neurons. *Neurobiology of Disease*, 27(1), 77-89. doi.

Sn, S., Pandurangi, J., Murumalla, R., Dj, V., Garimella, L., Acharya, A., . . . Manjithaya, R. (2019). Small molecule modulator of aggrephagy regulates neuroinflammation to curb pathogenesis of neurodegeneration. *EBioMedicine*. doi: <https://doi.org/10.1016/j.ebiom.2019.10.036>. <http://www.sciencedirect.com/science/article/pii/S2352396419307066>

Snyder, B. R., Chiu, A. M., Prockop, D. J., & Chan, A. W. S. (2010). Human multipotent stromal cells (MSCs) increase neurogenesis and decrease atrophy of the striatum in a transgenic mouse model for Huntington's disease. *PLoS ONE*, 5(2), e9347-e9347. doi.

Snyder, J. S., Choe, J. S., Clifford, M. A., Jeurling, S. I., Hurley, P., Brown, A., . . . Cameron, H. A. (2009). Adult-Born Hippocampal Neurons Are More Numerous, Faster Maturing, and More Involved in Behavior in Rats than in Mice. *Journal of Neuroscience*, 29(46), 14484-14495. doi: 10.1523/jneurosci.1768-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/46/14484>

Snyder, J. S., Clifford, M. A., Jeurling, S. I., & Cameron, H. A. (2011). Complementary activation of hippocampal-cortical subregions and immature neurons following chronic training in single and multiple context versions of the water maze. *Behavioural Brain Research*. doi.

Snyder, J. S., Ferrante, S. C., & Cameron, H. A. (2012). Late Maturation of Adult-Born Neurons in the Temporal Dentate Gyrus. *Plos one*, 7(11), e48757. doi: 10.1371/journal.pone.0048757. <http://dx.doi.org/10.1371%2Fjournal.pone.0048757>

Soares, J. I., Afonso, A. R., Maia, G. H., & Lukoyanov, N. V. (2018). The pedunculo pontine and laterodorsal tegmental nuclei in the kainate model of epilepsy. *Neuroscience Letters*. doi: <https://doi.org/10.1016/j.neulet.2018.02.044>. <http://www.sciencedirect.com/science/article/pii/S0304394018301265>

Soares, J. I., Da Costa, C., Ferreira, M. H., Andrade, P. A., Maia, G. H., & Lukoyanov, N. V. (2019). Partial depletion of septohippocampal cholinergic cells reduces seizure susceptibility, but does not mitigate hippocampal neurodegeneration in the kainate model of epilepsy. *Brain Research*, 1717, 235-246. doi: <https://doi.org/10.1016/j.brainres.2019.04.027>. <http://www.sciencedirect.com/science/article/pii/S000689931930229X>

Soares, J. I., Valente, M. C., Andrade, P. A., Maia, G. H., & Lukoyanov, N. V. (2017). Reorganization of the septohippocampal cholinergic fiber system in experimental epilepsy. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24235. <http://dx.doi.org/10.1002/cne.24235>

Soares, L. M., De Vry, J., Steinbusch, H. W. M., Milani, H., Prickaerts, J., & Weffort de Oliveira, R. M. (2016). Risperidone improves cognition, reduces anxiety- and despair-like behaviors and impacts hippocampal neuroplasticity after transient global cerebral ischemia. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.03.062>. <http://www.sciencedirect.com/science/article/pii/S0306452216300495>

Soares-Cunha, C., Coimbra, B., David-Pereira, A., Borges, S., Pinto, L., Costa, P., . . . Rodrigues, A. J. (2016). Activation of D2 dopamine receptor-expressing neurons in the nucleus accumbens increases motivation. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms11829. <http://dx.doi.org/10.1038/ncomms11829>

Sobieraj, J., Kim, A., Fannon, M., & Mandyam, C. (2014). Chronic wheel running-induced reduction of extinction and reinstatement of methamphetamine seeking in methamphetamine dependent rats is associated with reduced number of periaqueductal

gray dopamine neurons. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-014-0905-7. <http://dx.doi.org/10.1007/s00429-014-0905-7>

Soblosky, J. S., Song, J. H., & Dinh, D. H. (2001). Graded unilateral cervical spinal cord injury in the rat: evaluation of forelimb recovery and histological effects. *Behavioural Brain Research*, 119(1), 1-13. doi.

Sobrado, M., Ramirez, B., Neria, F., Lizasoain, I., Arbones, M. L., Minami, T., . . . Cano, E. (2012). Regulator of calcineurin 1 (*Rcan1*) has a protective role in brain ischemia/reperfusion injury. *Journal of neuroinflammation*, 9(1), 48. doi: <http://www.jneuroinflammation.com/content/9/1/48>

Sobrero, R., Fernández-Aburto, P., Ly-Prieto, Á., Delgado, S. E., Mpodozis, J., & Ebensperger, L. A. (2016). Effects of Habitat and Social Complexity on Brain Size, Brain Asymmetry and Dentate Gyrus Morphology in Two Octodontid Rodents. *Brain, Behavior and Evolution*, 87(1), 51-64. doi: <http://www.karger.com/DOI/10.1159/000444741>

Soderstrom, K. E., Meredith, G., Freeman, T. B., McGuire, S. O., Collier, T. J., Sortwell, C. E., . . . Steece-Collier, K. (2008). The synaptic impact of the host immune response in a parkinsonian allograft rat model: influence on graft-derived aberrant behaviors. *Neurobiology of Disease*, 32(2), 229-242. doi.

Soderstrom, K. E., O'Malley, J. A., Levine, N. D., Sortwell, C. E., Collier, T. J., & Steece-Collier, K. (2010). Impact of dendritic spine preservation in medium spiny neurons on dopamine graft efficacy and the expression of dyskinesias in parkinsonian rats. *European Journal of Neuroscience*, 31(3), 478-490. doi.

Soerensen, J., Pekcec, A., Fuest, C., Nickel, A., & Potschka, H. (2009). Pyrrolidine dithiocarbamate protects the piriform cortex in the pilocarpine status epilepticus model. *Epilepsy Research*, 87(2), 177-183. doi.

Sohn, J., Bannerman, P., Guo, F., Burns, T., Miers, L., Croteau, C., . . . Pleasure, D. (2016). Suppressing N-acetyl-L-aspartate (NAA) synthesis prevents loss of neurons in a murine model of Canavan leukodystrophy. [10.1523/JNEUROSCI.2013-16.2016]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2016/12/02/JNEUROSCI.2013-16.2016...>

Sokoloff, A. J., Daugherty, M., & Li, H. (2010). Myosin heavy-chain composition of the human hyoglossus muscle. *Dysphagia*, 25(2), 81-93. doi.

Solís, O., Garcia-Montes, J. R., González-Granillo, A., Xu, M., & Moratalla, R. (2015). Dopamine D3 Receptor Modulates l-DOPA-Induced Dyskinesia by Targeting D1 Receptor-Mediated Striatal Signaling. *Cerebral Cortex*. doi: 10.1093/cercor/bhv231. <http://cercor.oxfordjournals.org/content/early/2015/10/18/cercor.r.bhv231...>

Solís, O., García-Montes, J.-R., García-Sanz, P., Herranz, A. S., Asensio, M.-J., Kang, G., . . . Moratalla, R. (2017). Human COMT over-expression confers a heightened susceptibility to dyskinesia in mice. *Neurobiology of Disease*, 102, 133-139.

doi: <http://dx.doi.org/10.1016/j.nbd.2017.03.006>.
<http://www.sciencedirect.com/science/article/pii/S0969996117300542>

Soltani, R., Boroujeni, M. E., Aghajani, F., Khatmi, A., Ezi, S., Mirbehbahani, S. H., . . . Heidari, M.-h. (2020). Tramadol exposure upregulated apoptosis, inflammation and autophagy in PC12 cells and rat's striatum: an in vitro- in vivo approach. *Journal of Chemical Neuroanatomy*, 101820.

doi: <https://doi.org/10.1016/j.jchemneu.2020.101820>.
<http://www.sciencedirect.com/science/article/pii/S0891061820300892>

Somkuwar, S. S., Fannon, M. J., Bao Nguyen, T., & Mandyam, C. D. (2017). Hyper-oligodendrogenesis at the vascular niche and reduced blood–brain barrier integrity in the prefrontal cortex during protracted abstinence. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.08.048>.
<http://www.sciencedirect.com/science/article/pii/S0306452217306243>

Somkuwar, S. S., Fannon-Pavlich, M. J., Ghofrani, A., Quigley, J. A., Dutta, R. R., Galinato, M. H., & Mandyam, C. D. (2016). Wheel running reduces ethanol seeking by increasing neuronal activation and reducing oligodendroglial/neuroinflammatory factors in the medial prefrontal cortex. *Brain, Behavior, and Immunity*.

doi: <http://dx.doi.org/10.1016/j.bbi.2016.08.006>.
<http://www.sciencedirect.com/science/article/pii/S0889159116303634>

Sommer, A., Fadler, T., Dorfmeister, E., Hoffmann, A.-C., Xiang, W., Winner, B., & Prots, I. (2016). Infiltrating T lymphocytes reduce myeloid phagocytosis activity in synucleinopathy model. [journal article]. *Journal of neuroinflammation*, 13(1), 1-13. doi: 10.1186/s12974-016-0632-5. <http://dx.doi.org/10.1186/s12974-016-0632-5>

Song, B., Song, J., Zhang, S., Anderson, M. A., Ao, Y., Yang, C.-Y., . . . Sofroniew, M. V. (2012). Sustained local delivery of bioactive nerve growth factor in the central nervous system via tunable diblock copolymer hydrogel depots. *Biomaterials*, (0). doi: 10.1016/j.biomaterials.2012.08.060. <http://www.sciencedirect.com/science/article/pii/S0142961212009635>

Song, C.-H., Bernhard, D., Bolarinwa, C., Hess, E. J., Smith, Y., & Jinnah, H. A. (2013). Subtle microstructural changes of the striatum in a DYT1 knock-in mouse model of dystonia. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.01.008>.
<http://www.sciencedirect.com/science/article/pii/S0969996113000326>

Song, C.-H., Bernhard, D., Hess, E. J., & Jinnah, H. A. (2013). Subtle microstructural defects of the cerebellum in a knock-in mouse model of DYT1 dystonia. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.10.003>.

<http://www.sciencedirect.com/science/article/pii/S0969996113002763>

Song, C.-H., Fan, X., Exeter, C. J., Hess, E. J., & Jinnah, H. A. (2012). Functional analysis of dopaminergic systems in a DYT1 knock-in mouse model of dystonia. *Neurobiology of Disease*, (0). doi:

10.1016/j.nbd.2012.05.009.

<http://www.sciencedirect.com/science/article/pii/S0969996112001957>

Song, D. Y., Yang, Y. C., Shin, D. H., Sugama, S., Kim, Y. S., Lee, B. H., . . . Cho, B. P. (2008). Axotomy-induced dopaminergic neurodegeneration is accompanied with c-Jun phosphorylation and activation transcription factor 3 expression. *Experimental Neurology*, 209(1), 268-278. doi.

Song, R., Preston, G., Kidd, L., Bushnell, D., Sims-Lucas, S., Bates, C. M., & Yosypiv, I. V. (2015). Prorenin receptor is critical for nephron progenitors. *Developmental Biology*.

doi: <http://dx.doi.org/10.1016/j.ydbio.2015.11.024>.

<http://www.sciencedirect.com/science/article/pii/S0012160615300798>

Song, W., Amer, A., Ryan, D., & Martin, J. H. (2016). Combined motor cortex and spinal cord neuromodulation promotes corticospinal system functional and structural plasticity and motor function after injury. *Experimental Neurology*, 277, 46-57.

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.12.008>.

<http://www.sciencedirect.com/science/article/pii/S0014488615301357>

Soni, M. N., Mohamed, M. A. Z., Kurniawan, D. N. D., Borges, D. K., & Nasrallah, D. F. (2018). Diffusion MRI unveils the spatiotemporal microstructural grey matter changes following injury in the rodent brain. *Journal of Neurotrauma*, 0(ja), null. doi:

10.1089/neu.2018.5972. <https://www.liebertpub.com/doi/abs/10.1089/neu.2018.5972>

Sonntag, K. C., Simantov, R., Cooper, O., Pruzsak, J., Kowalke, F., Gilmartin, J., . . . others. (2005). Context-dependent neuronal differentiation and germ layer induction of Smad4^{-/-} and Cripto^{-/-} embryonic stem cells. *Molecular and Cellular Neuroscience*, 28(3), 417-429. doi.

Sonntag, K.-C., Pruzsak, J., Yoshizaki, T., van Arensbergen, J., Sanchez-Pernaute, R., & Isacson, O. (2007). Enhanced Yield of Neuroepithelial Precursors and Midbrain-Like Dopaminergic Neurons from Human Embryonic Stem Cells Using the Bone Morphogenic Protein Antagonist Noggin. *Stem Cells*, 25(2), 411-418. doi: 10.1634/stemcells.2006-

0380. <http://stemcells.alphamedpress.org/cgi/content/abstract/25/2/411>

Sonsalla, P. K., Coleman, C., Wong, L.-Y., Harris, S. L., Richardson, J. R., Gadad, B. S., . . . German, D. C. (2013). The angiotensin converting enzyme inhibitor captopril protects nigrostriatal dopamine neurons in animal models of parkinsonism. *Experimental Neurology*, (o).

doi: <http://dx.doi.org/10.1016/j.expneurol.2013.10.014>.

<http://www.sciencedirect.com/science/article/pii/S0014488613003178>

Sonsalla, P. K., Wong, L. Y., Harris, S. L., Richardson, J. R., Khobahy, I., Li, W., . . . German, D. C. (2012). Delayed caffeine treatment prevents nigral dopamine neuron loss in a progressive rat model of Parkinson's disease. *Experimental Neurology*. doi.

Sontag, Christopher J., Uchida, N., Cummings, Brian J., & Anderson, Aileen J. (2014). Injury to the Spinal Cord Niche Alters the Engraftment Dynamics of Human Neural Stem Cells. *Stem Cell Reports*, (o).

doi: <http://dx.doi.org/10.1016/j.stemcr.2014.03.005>, <http://www.sciencedirect.com/science/article/pii/S2213671114000848>

Sorokina, A. M., Saul, M., Goncalves, T. M., Gogola, J. V., Majdak, P., Rodriguez-Zas, S. L., & Rhodes, J. S. (2018). Striatal transcriptome of a mouse model of ADHD reveals a pattern of synaptic remodeling. *Plos one*, 13(8), e0201553. doi: 10.1371/journal.pone.0201553. <https://doi.org/10.1371/journal.pone.0201553>

Sorrells, A. D., Corcoran-Gomez, K., Eckert, K. A., Fahey, A. G., Hoots, B. L., Charleston, L. B., . . . Markowitz, H. (2009). Effects of environmental enrichment on the amyotrophic lateral sclerosis mouse model. *Laboratory Animals*, 43(2), 182-190. doi.

Sos, K. E., Mayer, M. I., Cserép, C., Takács, F. S., Szőnyi, A., Freund, T. F., & Nyiri, G. (2016). Cellular architecture and transmitter phenotypes of neurons of the mouse median raphe region. *Brain Structure and Function*, 1-13. doi: <http://link.springer.com/article/10.1007/s00429-016-1217-x/fulltext.html>

Sosa, M. A. G., De Gasperi, R., Garcia, G. S. P., Sosa, H., Searcy, C., Vargas, D., . . . Janssen, W. G. (2017). Lack of chronic neuroinflammation in the absence of focal hemorrhage in a rat model of low-energy blast-induced TBI. *Acta Neuropathologica Communications*, 5(1), 80. doi: <https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-017-0483-z>

Souchet, B., Duchon, A., Gu, Y., Dairou, J., Chevalier, C., Daubigney, F., . . . Delabar, J. M. (2019). Prenatal treatment with EGCG enriched green tea extract rescues GAD67 related developmental and cognitive defects in Down syndrome mouse models. *Scientific Reports*, 9(1), 3914. doi: 10.1038/s41598-019-40328-9. <https://doi.org/10.1038/s41598-019-40328-9>

Souchet, B., Guedj, F., Sahún, I., Duchon, A., Daubigney, F., Badel, A., . . . Delabar, J. M. (2014). Excitation/inhibition balance and learning are modified by Dyrk1a gene dosage. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.04.016>. <http://www.sciencedirect.com/science/article/pii/S0969996114001053>

Southwell, A. L., Franciosi, S., Villanueva, E. B., Xie, Y., Winter, L. A., Veeraraghavan, J., . . . Hayden, M. R. (2015). Anti-semaphorin 4D immunotherapy ameliorates neuropathology and some cognitive impairment in the YAC128 mouse model of Huntington disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.01.002>. <http://www.sciencedirect.com/science/article/pii/S0969996115000145>

Southwell, A. L., Kordasiewicz, H. B., Langbehn, D., Skotte, N. H., Parsons, M. P., Villanueva, E. B., . . . Hayden, M. R. (2018). Huntingtin suppression restores cognitive function in a mouse model of Huntington's disease. [10.1126/scitranslmed.aar3959]. *Science translational medicine*, 10(461). doi. <http://stm.sciencemag.org/content/10/461/eaar3959.abstract>

Southwell, A. L., Smith-Dijak, A., Kay, C., Sepers, M., Villanueva, E. B., Parsons, M. P., . . . Hayden, M. R. (2016). An enhanced Q175 knock-in mouse model of Huntington disease with higher mutant huntingtin levels and accelerated disease phenotypes. *Human Molecular Genetics*. doi:

10.1093/hmg/ddw212.

http://hmg.oxfordjournals.org/content/early/2016/07/03/hmg.dd_w212.abstract

Southwell, D. G., Paredes, M. F., Galvao, R. P., Jones, D. L., Froemke, R. C., Sebe, J. Y., . . . Rubenstein, J. L. (2012). Intrinsically determined cell death of developing cortical interneurons. *Nature*. doi.

Souza-Rodrigues, R. D., Costa, A. M. R., Lima, R. R., Dos Santos, C. D., Picanho-Diniz, C. W., & Gomes-Leal, W. (2008). Inflammatory response and white matter damage after microinjections of endothelin-1 into the rat striatum. *Brain Research*, 1200, 78-88. doi.

Sozmen, E. G., Kolekar, A., Hayton, L. A., & Carmichael, S. T. (2009). A white matter stroke model in the mouse: axonal damage, progenitor responses and MRI correlates. *Journal of Neuroscience Methods*, 180(2), 261-272. doi.

Sozmen, E. G., Rosenzweig, S., Llorente, I. L., DiTullio, D. J., Machnicki, M., Vinters, H. V., . . . Carmichael, S. T. (2016). Nogo receptor blockade overcomes remyelination failure after white matter stroke and stimulates functional recovery in aged mice. *Proceedings of the National Academy of Sciences*, 113(52), E8453-E8462. doi: 10.1073/pnas.1615322113. <http://www.pnas.org/content/113/52/E8453.abstract>

Soztutar, E., Colak, E., & Ulupinar, E. (2015). Gender- and anxiety level-dependent effects of perinatal stress exposure on medial prefrontal cortex. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2015.06.005>. <http://www.sciencedirect.com/science/article/pii/S0014488615300169>

Spalletti, C., Lai, S., Mainardi, M., Panarese, A., Ghionzoli, A., Alia, C., . . . Caleo, M. (2013). A Robotic System for Quantitative Assessment and Poststroke Training of Forelimb Retraction in Mice. *Neurorehabilitation and neural repair*. doi: 10.1177/1545968313506520. <http://nnr.sagepub.com/content/early/2013/10/28/1545968313506520.abstract>

Spampanato, J., Sullivan, R. K., Turpin, F. R., Bartlett, P. F., & Sah, P. (2012). Properties of Doublecortin Expressing Neurons in the Adult Mouse Dentate Gyrus. *Plos one*, 7(9), e41029. doi.

Spangenberg, E., Severson, P. L., Hohsfield, L. A., Crapser, J., Zhang, J., Burton, E. A., . . . Green, K. N. (2019). Sustained microglial depletion with CSF1R inhibitor impairs parenchymal plaque development in an Alzheimer's disease model. *Nature Communications*, 10(1), 3758. doi: 10.1038/s41467-019-11674-z. <https://doi.org/10.1038/s41467-019-11674-z>

Spangenberg, E. E., Lee, R. J., Najafi, A. R., Rice, R. A., Elmore, M. R. P., Blurton-Jones, M., . . . Green, K. N. (2016). Eliminating microglia in Alzheimer's mice prevents neuronal loss without modulating amyloid- β pathology. *Brain*. doi: 10.1093/brain/aww016. <http://brain.oxfordjournals.org/content/brain/early/2016/02/26/brain.aww...>

Speed, H. E., Blaiss, C. A., Kim, A., Haws, M. E., Melvin, N. R., Jennings, M., . . . Powell, C. M. (2012). Delayed Reduction of Hippocampal Synaptic Transmission and Spines Following

Exposure to Repeated Subclinical Doses of Organophosphorus Pesticide in Adult Mice. *Toxicological Sciences*, 125(1), 196-208. doi: 10.1093/toxsci/kfr253. <http://toxsci.oxfordjournals.org/cgi/content/abstract/125/1/196>

Speed, H. E., Masiulis, I., Gibson, J. R., & Powell, C. M. (2015). Increased Cortical Inhibition in Autism-Linked Neuroligin-3R451C Mice Is Due in Part to Loss of Endocannabinoid Signaling. *Plos one*, 10(10), e0140638. doi: 10.1371/journal.pone.0140638. <http://dx.doi.org/10.1371%2Fjournal.pone.0140638>

Spence, R. D., Hamby, M. E., Umeda, E., Itoh, N., Du, S., Wisdom, A. J., . . . Voskuhl, R. R. (2011). Neuroprotection mediated through estrogen receptor- α in astrocytes. *Proceedings of the National Academy of Sciences*, 108(21), 8867-8872. doi: 10.1073/Proceedings of the National Academy of Sciences.1103833108. <http://www.Proceedings of the National Academy of Sciences.org/content/108/21/8867.abstract>

Spencer, B., Brüscheweiler, S., Sealey-Cardona, M., Rockenstein, E., Adame, A., Florio, J., . . . Masliah, E. (2018). Selective targeting of 3 repeat Tau with brain penetrating single chain antibodies for the treatment of neurodegenerative disorders. [journal article]. *Acta Neuropathologica*, 136(1), 69-87. doi: 10.1007/s00401-018-1869-0. <https://doi.org/10.1007/s00401-018-1869-0>

Spencer, B., Desplats, P. A., Overk, C. R., Valera-Martin, E., Rissman, R. A., Wu, C., . . . Rockenstein, E. (2016). Reducing Endogenous α -Synuclein Mitigates the Degeneration of Selective Neuronal Populations in an Alzheimer's Disease Transgenic Mouse Model. *The Journal of Neuroscience*, 36(30), 7971-7984. doi: <http://www.jneurosci.org/content/36/30/7971.short>

Spencer, B., Michael, S., Shen, J., Kosberg, K., Rockenstein, E., Patrick, C., . . . Masliah, E. (2012). Lentivirus Mediated Delivery of Neurexin Promotes Clearance of Wild-type α -Synuclein and Reduces the Pathology in an α -Synuclein Model of LBD. *Molecular Therapy*. doi.

Spencer, B., Potkar, R., Metcalf, J., Thrin, I., Adame, A., Rockenstein, E., & Masliah, E. (2016). Systemic Central Nervous System (CNS)-targeted Delivery of Neuropeptide Y (NPY) Reduces Neurodegeneration and Increases Neural Precursor Cell Proliferation in a Mouse Model of Alzheimer Disease. *Journal of Biological Chemistry*, 291(4), 1905-1920. doi: 10.1074/jbc.M115.678185. <http://www.jbc.org/content/291/4/1905.abstract>

Spencer, B., Potkar, R., Metcalf, J., Trinh, I., Adame, A., Rockenstein, E., & Masliah, E. (2015). Systemic CNS-targeted Delivery of NPY Reduces Neurodegeneration and Increases Neural Precursor Cell Proliferation in a Mouse Model of Alzheimer's Disease. *Journal of Biological Chemistry*. doi: 10.1074/jbc.M115.678185. <http://www.jbc.org/content/early/2015/11/30/jbc.M115.678185.a bstract>

Spencer, B., Potkar, R., Trejo, M., Rockenstein, E., Patrick, C., Gindi, R., . . . Masliah, E. (2009). Beclin 1 Gene Transfer Activates Autophagy and Ameliorates the Neurodegenerative Pathology in α -Synuclein Models of Parkinson's and Lewy Body Diseases. *Journal of Neuroscience*, 29(43), 13578-13588. doi: 10.1523/jneurosci.4390-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/43/13578>

Spencer, B., Trinh, I., Rockenstein, E., Mante, M., Florio, J., Adame, A., . . . Rissman, R. A. (2019). Systemic peptide mediated delivery of an siRNA targeting α -syn in the CNS ameliorates the neurodegenerative process in a transgenic model of Lewy body disease. *Neurobiology of Disease*, 127, 163-177. doi: <https://doi.org/10.1016/j.nbd.2019.03.001>. <http://www.sciencedirect.com/science/article/pii/S0969996119300609>

Spencer, B., Valera, E., Rockenstein, E., Trejo-Morales, M., Adame, A., & Masliah, E. (2015). A brain-targeted, modified neurosin (kallikrein-6) reduces alpha-synuclein accumulation in a mouse model of multiple system atrophy. *Molecular Neurodegeneration*, 10(1), 48. doi: <http://www.molecularneurodegeneration.com/content/10/1/48>

Spiegel, A. M., Koh, M. T., Vogt, N. M., Rapp, P. R., & Gallagher, M. (2013). Hilar interneuron vulnerability distinguishes aged rats with memory impairment. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23367. <http://dx.doi.org/10.1002/cne.23367>

Spieles-Engemann, A. L., Behbehani, M. M., Collier, T. J., Wohlgenant, S. L., Steece-Collier, K., Paumier, K., . . . others. (2010). Stimulation of the rat subthalamic nucleus is neuroprotective following significant nigral dopamine neuron loss. *Neurobiology of Disease*, 39(1), 105-115. doi.

Spocter, M. A., Fairbanks, J., Locey, L., Nguyen, A., Bitterman, K., Dunn, R., . . . Manger, P. R. (2018). Neuropil Distribution in the Anterior Cingulate and Occipital Cortex of Artiodactyls. *The Anatomical Record*, o(o). doi: doi:10.1002/ar.23905. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ar.23905>

Spocter, M. A., Hopkins, W. D., Barks, S. K., Bianchi, S., Hehmeyer, A. E., Anderson, S. M., . . . Sherwood, C. C. (2012). Neuropil distribution in the cerebral cortex differs between humans and chimpanzees. *Journal of Comparative Neurology*. doi.

Spocter, M. A., Hopkins, W. D., Garrison, A. R., Bauernfeind, A. L., Stimpson, C. D., Hof, P. R., & Sherwood, C. C. (2010). Wernicke's area homologue in chimpanzees (*Pan troglodytes*) and its relation to the appearance of modern human language. *Proceedings of the Royal Society B: Biological Sciences*, 277(1691), 2165-2174. doi.

Sportiche, N., Suntsova, N., Methippara, M., Bashir, T., Mitrani, B., Szymusiak, R., & McGinty, D. (2010). Sustained sleep fragmentation results in delayed changes in hippocampal- dependent cognitive function associated with reduced dentate gyrus neurogenesis. *Neuroscience*, 170(1), 247-258. doi.

Spring, S., Lerch, J. P., Wetzel, M. K., Evans, A. C., & Henkelman, R. M. (2010). Cerebral asymmetries in 12-week-old C57BL/6J mice measured by magnetic resonance imaging. *Neuroimage*, 50(2), 409-415. doi.

Spurlock, M. S., Ahmed, A. I., Rivera, K. N., Yokobori, S., Lee, S. W., Sam, P. N., . . . Bullock, R. (2017). Amelioration of penetrating ballistic-like brain injury induced cognitive deficits after neuronal differentiation of transplanted human neural stem cells. *Journal of Neurotrauma*. doi: 10.1089/neu.2016.4602. <http://dx.doi.org/10.1089/neu.2016.4602>

Srivastava, T., Diba, P., Dean, J. M., Banine, F., Shaver, D., Hagen, M., . . . Back, S. A. (2018). A TLR/AKT/FoxO3 immune tolerance-like pathway disrupts the repair capacity of oligodendrocyte progenitors. *The Journal of Clinical Investigation*, 128(5). doi: 10.1172/jci94158. <https://doi.org/10.1172/JCI94158>

Stack, C., Ho, D., Wille, E., Calingasan, N. Y., Williams, C., Liby, K., . . . Beal, M. F. (2010). Triterpenoids CDDO-ethyl amide and CDDO-trifluoroethyl amide improve the behavioral phenotype and brain pathology in a transgenic mouse model of Huntington's disease. *Free Radical Biology and Medicine*, 49(2), 147-158. doi.

Stack, E. C., Dedeoglu, A., Smith, K. M., Cormier, K., Kubilus, J. K., Bogdanov, M., . . . Ferrante, R. J. (2007). Neuroprotective Effects of Synaptic Modulation in Huntington's Disease R6/2 Mice. *Journal of Neuroscience*, 27(47), 12908-12915. doi: 10.1523/jneurosci.4318-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/47/12908>

Stack, E. C., Kubilus, J. K., Smith, K., Cormier, K., Del Signore, S. J., Guelin, E., . . . Ferrante, R. J. (2005). Chronology of behavioral symptoms and neuropathological sequela in R6/2 Huntington's disease transgenic mice. *Journal of Comparative Neurology*, 490(4), 354-370. doi.

Stack, E. C., Smith, K. M., Ryu, H., Cormier, K., Chen, M., Hagerty, S. W., . . . Ferrante, R. J. (2006). Combination therapy using minocycline and coenzyme Q₁₀ in R6/2 transgenic Huntington's disease mice. *Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease*, 1762(3), 373-380. doi.

Stackman, R. W., Eckenstein, F., Frei, B., Kulhanek, D., Nowlin, J., & Quinn, J. F. (2003). Prevention of age-related spatial memory deficits in a transgenic mouse model of Alzheimer's disease by chronic Ginkgo biloba treatment. *Experimental Neurology*, 184(1), 510-520. doi.

Staecker, H., Schlecker, C., Kraft, S., Praetorius, M., Hsu, C., & Brough, D. E. (2014). Optimizing atoh1-induced vestibular hair cell regeneration. *The Laryngoscope*, n/a-n/a. doi: 10.1002/lary.24775. <http://dx.doi.org/10.1002/lary.24775>

Stalder, A. K., Ermini, F., Bondolfi, L., Krenger, W., Burbach, G. J., Deller, T., . . . Jucker, M. (2005). Invasion of Hematopoietic Cells into the Brain of Amyloid Precursor Protein Transgenic Mice. *Journal of Neuroscience*, 25, 11125-11132. doi.

Stamp, C., Zupanic, A., Sachdeva, A., Stoll, E. A., Shanley, D. P., Mathers, J. C., . . . Greaves, L. C. (2018). Predominant Asymmetrical Stem Cell Fate Outcome Limits the Rate of Niche Succession in Human Colonic Crypts. *EBioMedicine*. doi: <https://doi.org/10.1016/j.ebiom.2018.04.017>. <http://www.sciencedirect.com/science/article/pii/S2352396418301452>

Stanić, D., Dhingra, R. R., & Dutschmann, M. (2018). Expression of the transcription factor FOXP2 in brainstem respiratory circuits of adult rat is restricted to upper-airway pre-motor areas. *Respiratory physiology & neurobiology*, 250, 14-18. doi: <https://doi.org/10.1016/j.resp.2018.01.014>. <http://www.sciencedirect.com/science/article/pii/S1569904818300223>

Stanić, D., Dubois, S., Chua, H. K., Tonge, B., Rinehart, N., Horne, M. K., & Boon, W. C. (2014). Characterization of Aromatase Expression in the Adult Male and Female Mouse Brain. I. Coexistence with Oestrogen Receptors α and β , and Androgen Receptors. *Plos one*, 9(3), e90451. doi:

10.1371/journal.pone.0090451. <http://dx.doi.org/10.1371%2Fjournal.pone.0090451>

Stanic, D., Finkelstein, D. I., Bourke, D. W., Drago, J., & Horne, M. K. (2003). Timecourse of striatal re-innervation following lesions of dopaminergic SNpc neurons of the rat.

European Journal of Neuroscience, 18(5), 1175-1188. doi: doi:10.1046/j.1460-

9568.2003.02800.x. [http://www.blackwell-](http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02800.x)

[synergy.com/doi/abs/10.1046/j.1460-9568.2003.02800.x](http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02800.x)

Stanic, D., Parish, C. L., Zhu, W. M., Krstew, E. V., Lawrence, A. J., Drago, J., . . . Horne, M. K. (2003). Changes in function and ultrastructure of striatal dopaminergic terminals that regenerate following partial lesions of the SNpc. *Journal of Neurochemistry*, 86(2), 329-343. doi: doi:10.1046/j.1471-4159.2003.01843.x. [http://www.blackwell-](http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.01843.x)

[synergy.com/doi/abs/10.1046/j.1471-4159.2003.01843.x](http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.01843.x)

Stanley, D. P., & Shetty, A. K. (2004). Aging in the rat hippocampus is associated with widespread reductions in the number of glutamate decarboxylase-67 positive interneurons but not interneuron degeneration. *Journal of Neurochemistry*, 89(1), 204-216.

doi: <http://www.blackwell-synergy.com/links/doi/10.1111/j.1471-4159.2004.0231...>

Stanley, E. M., Fadel, J. R., & Mott, D. D. (2011). Interneuron loss reduces dendritic inhibition and GABA release in hippocampus of aged rats. *Neurobiology of Aging*. doi.

Stanojic, M., Burstyn-Cohen, T., Nashi, N., Lemke, G., & Sakic, B. (2009). Disturbed distribution of proliferative brain cells during lupus-like disease. *Brain, Behavior, and Immunity*, 23(7), 1003-1013. doi.

Stanojlovic, M., Pallais, J. P., Lee, M. K., & Kotz, C. M. (2019). Pharmacological and chemogenetic orexin/hypocretin intervention ameliorates Hipp-dependent memory impairment in the A53T mice model of Parkinson's disease. *Molecular Brain*, 12(1), 87. doi: 10.1186/s13041-019-0514-8. <https://doi.org/10.1186/s13041-019-0514-8>

Stanojlovic, M., Pallais Yllescas, J. P., Vijayakumar, A., & Kotz, C. (2019). Early Sociability and Social Memory Impairment in the A53T Mouse Model of Parkinson's Disease Are Ameliorated by Chemogenetic Modulation of Orexin Neuron Activity. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-019-01682-x.

<https://doi.org/10.1007/s12035-019-01682-x>

Staples, M. C., Fannon-Pavlich, M. J., Mysore, K. K., Dutta, R. R., Ongjoco, A. T., Quach, L. W., . . . Mandym, C. D. (2017). Dietary Restriction reduces hippocampal neurogenesis and granule cell neuron density without affecting the density of mossy fibers. *Brain Research*.

doi: <http://dx.doi.org/10.1016/j.brainres.2017.02.028>.

<http://www.sciencedirect.com/science/article/pii/S0006899317300987>

Statler, K. D., Scheerlinck, P., Pouliot, W., Hamilton, M., White, H. S., & Dudek, F. E. (2009). A potential model of pediatric posttraumatic epilepsy. *Epilepsy Research*, 86(2), 221-223. doi.

Stauffer, T. R., Elliott, K. C., Ross, M. T., Basista, M. J., Hyson, R. L., & Johnson, F. (2012). Axial Organization of a Brain Region That Sequences a Learned Pattern of Behavior. *Journal of Neuroscience*, 32(27), 9312-9322. doi: 10.1523/jneurosci.0978-12.2012. <http://www.jneurosci.org/content/32/27/9312.abstract>

Stayte, S., Laloli, K. J., Rentsch, P., Lowth, A., Li, K. M., Pickford, R., & Vissel, B. (2019). The kainate receptor antagonist UBP310 but not single deletion of GluK1, GluK2, or GluK3 subunits, inhibits MPTP-induced degeneration in the mouse midbrain. *Experimental Neurology*, 113062. doi: <https://doi.org/10.1016/j.expneurol.2019.113062>. <http://www.sciencedirect.com/science/article/pii/S0014488619302110>

Stayte, S., Rentsch, P., Li, K. M., & Vissel, B. (2015). Activin A Protects Midbrain Neurons in the 6-Hydroxydopamine Mouse Model of Parkinson's Disease. *Plos one*, 10(4), e0124325. doi: 10.1371/journal.pone.0124325. <http://dx.doi.org/10.1371%2Fjournal.pone.0124325>

Stayte, S., Rentsch, P., Tröscher, A. R., Bamberger, M., Li, K. M., & Vissel, B. (2017). Activin A Inhibits MPTP and LPS-Induced Increases in Inflammatory Cell Populations and Loss of Dopamine Neurons in the Mouse Midbrain In Vivo. *Plos one*, 12(1), e0167211. doi: 10.1371/journal.pone.0167211. <http://dx.doi.org/10.1371%2Fjournal.pone.0167211>

Stazi, M., & Wirths, O. (2020). Chronic Memantine Treatment Ameliorates Behavioral Deficits, Neuron Loss, and Impaired Neurogenesis in a Model of Alzheimer's Disease. *Molecular Neurobiology*. doi: 10.1007/s12035-020-02120-z. <https://doi.org/10.1007/s12035-020-02120-z>

Steece-Collier, K., Soderstrom, K. E., Collier, T. J., Sortwell, C. E., & Maries-Lad, E. (2009). Effect of levodopa priming on dopamine neuron transplant efficacy and induction of abnormal involuntary movements in parkinsonian rats. *Journal of Comparative Neurology*, 515(1), 15-30. doi.

Stefanova, N., Fellner, L., Reindl, M., Masliah, E., Poewe, W., & Wenning, G. K. (2011). Toll-Like Receptor 4 Promotes α -Synuclein Clearance and Survival of Nigral Dopaminergic Neurons. *American Journal of Pathology*. doi.

Stefanova, N., Georgievska, B., Eriksson, H., Poewe, W., & Wenning, G. K. (2011). Myeloperoxidase Inhibition Ameliorates Multiple System Atrophy-Like Degeneration in a Transgenic Mouse Model. *Neurotoxicity research*, 1-12. doi.

Stefanova, N., Hainzer, M., Stemberger, S., Couillard-Després, S., Aigner, L., Poewe, W., & Wenning, G. K. (2009). Striatal transplantation for multiple system atrophy—Are grafts affected by α -synucleinopathy? *Experimental Neurology*, 219(1), 368-371. doi.

Stefanova, N., Köllensperger, M., Hainzer, M., Cenci, A., Poewe, W., & Wenning, G. K. (2007). High dose levodopa therapy is not toxic in multiple system atrophy: experimental evidence. *Movement Disorders*, 22(7), 969-973. doi.

Stefanova, N., Poewe, W., & Wenning, G. K. (2008). Rasagiline is neuroprotective in a transgenic model of multiple system atrophy. *Experimental Neurology*, 210(2), 421-427. doi.

Stefanova, N., Reindl, M., Neumann, M., Kahle, P. J., Poewe, W., & Wenning, G. K. (2007). Microglial activation mediates neurodegeneration related to oligodendroglial α -synucleinopathy: Implications for multiple system atrophy. *Movement Disorders*, 22(15), 2196-2203. doi.

Stefovska, V. G., Uckermann, O., Czuczwar, M., Smitka, M., Czuczwar, P., Kis, J., . . . Ikonomidou, C. (2008). Sedative and anticonvulsant drugs suppress postnatal neurogenesis. *Annals of Neurology*, 64(4), 434-445. doi.

Steger, R., Kamal, A., Lutchman, S., Intrabartolo, L., Sohail, R., & Brumberg, J. C. (2014). Chronic caffeine ingestion causes microglia activation, but not proliferation in the healthy brain. *Brain Research Bulletin*, (0). doi: <http://dx.doi.org/10.1016/j.brainresbull.2014.05.004>.
<http://www.sciencedirect.com/science/article/pii/S036192301400094X>

Steidinger, T. U., Slone, S. R., Ding, H., Standaert, D. G., & Yacoubian, T. A. (2013). Angiogenin in Parkinson Disease Models: Role of Akt Phosphorylation and Evaluation of AAV-Mediated Angiogenin Expression in MPTP Treated Mice. *Plos one*, 8(2), e56092. doi: 10.1371/journal.pone.0056092.
<http://dx.doi.org/10.1371%2Fjournal.pone.0056092>

Stein, T. D., Anders, N. J., DeCarli, C., Chan, S. L., Mattson, M. P., & Johnson, J. A. (2004). Neutralization of Transthyretin Reverses the Neuroprotective Effects of Secreted Amyloid Precursor Protein (APP) in APPSw Mice Resulting in Tau Phosphorylation and Loss of Hippocampal Neurons: Support for the Amyloid Hypothesis. *Journal of Neuroscience*, 24(35), 7707-7717. doi.
<http://www.jneurosci.org/cgi/content/abstract/24/35/7707>

Steiner, B., Kupsch, A., Siebert, E., Hosmann, K., Klempin, F., Morgenstern, R., & Winter, C. (2008). Unilateral lesion of the subthalamic nucleus transiently provokes bilateral subacute glial cell proliferation in the adult rat substantia nigra. *Neuroscience Letters*, 430(2), 103-108. doi.

Steiner, B., Winter, C., Hosman, K., Siebert, E., Kempermann, G., Petrus, D. S., & Kupsch, A. (2006). Enriched environment induces cellular plasticity in the adult substantia nigra and improves motor behavior function in the 6-OHDA rat model of Parkinson's disease. *Experimental Neurology*, 199(2), 291-300. doi.

Steinkellner, T., Zell, V., Farino, Z. J., Sonders, M. S., Villeneuve, M., Freyberg, R. J., . . . Hnasko, T. S. (2018). Role for VGLUT2 in selective vulnerability of midbrain dopamine neurons. *The Journal of Clinical Investigation*, 128(2), 774-788. doi: 10.1172/jci95795. <https://doi.org/10.1172/JCI95795>

Stemberger, S., Jamnig, A., Stefanova, N., Lepperdinger, G., Reindl, M., & Wenning, G. K. (2011). Mesenchymal stem cells in a transgenic mouse model of multiple system atrophy: immunomodulation and neuroprotection. *PLoS ONE*, 6(5), e19808-e19808. doi.

Stemberger, S., Poewe, W., Wenning, G. K., & Stefanova, N. (2010). Targeted overexpression of human α -synuclein in oligodendroglia induces lesions linked to MSA-like progressive autonomic failure. *Experimental Neurology*, 224(2), 459-464. doi.

Stemick, J., Gauer, C., Wihan, J., Mocer, S., Xiang, W., von Hörsten, S., . . . Winkler, J. (2020). Compensatory neuritogenesis of serotonergic afferents within the striatum of a transgenic rat model of Parkinson's disease. *Brain Research*, 147119. doi: <https://doi.org/10.1016/j.brainres.2020.147119>. <http://www.sciencedirect.com/science/article/pii/S0006899320304777>

Stenberg, L., Stöbel, M., Ronchi, G., Geuna, S., Yin, Y., Mommert, S., . . . Haastert-Talini, K. (2017). Regeneration of long-distance peripheral nerve defects after delayed reconstruction in healthy and diabetic rats is supported by immunomodulatory chitosan nerve guides. [journal article]. *BMC Neuroscience*, 18(1), 53. doi: 10.1186/s12868-017-0374-z. <https://doi.org/10.1186/s12868-017-0374-z>
<http://dx.doi.org/10.1186/s12868-017-0374-z>

Stepanek, L., Stoker, A. W., Stoeckli, E., & Bixby, J. L. (2005). Receptor Tyrosine Phosphatases Guide Vertebrate Motor Axons during Development. *Journal of Neuroscience*, 25(15), 3813- 3823. doi: 10.1523/jneurosci.4531-04.2005. <http://www.jneurosci.org/cgi/content/abstract/25/15/3813>

Stephan, M., Radicke, A., Leutloff, S., Schmiedl, A., Pabst, R., von Hörsten, S., . . . Nave, H. (2011). Dipeptidyl peptidase IV (DPP4)-deficiency attenuates diet-induced obesity in rats: Possible implications for the hypothalamic neuropeptidergic system. *Behavioural Brain Research*, 216(2), 712-718. doi.

Stephenson, A. R., Edler, M. K., Erwin, J. M., Jacobs, B., Hopkins, W. D., Hof, P. R., . . . Raghanti, M. A. (2016). Cholinergic innervation of the basal ganglia in human and other anthropoid primates. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.24067. <http://dx.doi.org/10.1002/cne.24067>

Stephenson, S. E. M., Aumann, T. D., Taylor, J. M., Riseley, J. R., Li, R., Mann, J. R., . . . Lockhart, P. J. (2018). Generation and characterisation of a parkin-Pacrg knockout mouse line and a Pacrg knockout mouse line. *Scientific Reports*, 8(1), 7528. doi: 10.1038/s41598-018-25766-1. <https://doi.org/10.1038/s41598-018-25766-1>

Stepień, T., & Obara, B. (2008). The cycloid and skeletonization methods for morphometric analysis of fetal brain vessels. *Folia Neuropathologica*, 46(4), 278-285. doi.

Stettler, D. D., Das, A., Bennett, J., & Gilbert, C. D. (2002). Lateral connectivity and contextual interactions in macaque primary visual cortex. *Neuron*, 36(4), 739-750. doi.

Steullet, P., Cabungcal, J.-H., Kulak, A., Kraftsik, R., Chen, Y., Dalton, T. P., . . . Do, K. Q. (2010). Redox Dysregulation Affects the Ventral But Not Dorsal Hippocampus: Impairment of Parvalbumin Neurons, Gamma Oscillations, and Related Behaviors. *Journal of Neuroscience*, 30(7), 2547-2558. doi: 10.1523/jneurosci.3857-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/7/2547>

Stevens, H. E., Smith, K. M., Maragnoli, M. E., Fagel, D., Borok, E., Shanabrough, M., . . . Vaccarino, F. M. (2010). Fgfr2 Is Required for the Development of the Medial Prefrontal Cortex and Its Connections with Limbic Circuits. *Journal of Neuroscience*, 30(16), 5590-5602.

doi: 10.1523/jneurosci.5837-

09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/16/5590>

Stevens, H. E., Su, T., Yanagawa, Y., & Vaccarino, F. M. (2012). Prenatal stress delays inhibitory neuron progenitor migration in the developing neocortex.

Psychoneuroendocrinology, (0). doi:

10.1016/j.psyneuen.2012.07.011.

<http://www.sciencedirect.com/science/article/pii/S0306453012002636>

Stevens, W. D., Fortin, T., & Pappas, B. A. (2002). Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure. *Stroke*, 33(4), 1107-1112. doi:

10.1161/01.str.0000014204.05597.0c. <http://stroke.ahajournals.org/cgi/content/abstract/33/4/1107>

Stimpson, C. D., Barger, N., Tagliatella, J. P., Gendron-Fitzpatrick, A., Hof, P. R., Hopkins, W. D., & Sherwood, C. C. (2015). Differential serotonergic innervation of the amygdala in bonobos and chimpanzees. *Social Cognitive and Affective Neuroscience*. doi:

10.1093/scan/nsv128.

[http://scan.oxfordjournals.org/content/early/2015/10/15/scan.nsv1](http://scan.oxfordjournals.org/content/early/2015/10/15/scan.nsv128.abst...)

[28.abst...](http://scan.oxfordjournals.org/content/early/2015/10/15/scan.nsv128.abst...)

Stimpson, C. D., Tetreault, N. A., Allman, J. M., Jacobs, B., Butti, C., Hof, P. R., & Sherwood, C. C. (2011). Biochemical specificity of von Economo neurons in hominoids. *American Journal of Human Biology*, 23(1), 22-28. doi: 10.1002/ajhb.21135.

<http://dx.doi.org/10.1002/ajhb.21135>

Stinnett, G. R., Lin, S., Korotcov, A. V., Korotcova, L., Morton, P. D., Ramachandra, S. D., . . . Ishibashi, N. (2017). Microstructural Alterations and Oligodendrocyte Dysmaturation in White Matter After Cardiopulmonary Bypass in a Juvenile Porcine Model.

[10.1161/JAHA.117.005997]. *Journal of the American Heart Association*, 6(8).

doi: <http://jaha.ahajournals.org/content/6/8/e005997.abstract>

Stock, K., Garthe, A., de Almeida Sassi, F., Glass, R., Wolf, S. A., & Kettenmann, H. (2014). The capsaicin receptor TRPV1 as a novel modulator of neural precursor cell proliferation. *Stem Cells*, n/a-n/a. doi: 10.1002/stem.1805.

<http://dx.doi.org/10.1002/stem.1805>

Stock, K., Kumar, J., Synowitz, M., Petrosino, S., Imperatore, R., Smith, E. S. J., . . . Glass, R. (2012). Neural precursor cells induce cell death of high-grade astrocytomas through stimulation of TRPV1. [10.1038/nm.2827]. *Nature Medicine*, advance online publication.

doi: <http://www.nature.com/nm/journal/vaop/ncurrent/abs/nm.2827.html#suppleme>

h

<http://dx.doi.org/10.1038/nm.2827>

Stockman, S. L., & McCarthy, M. M. (2016). Predator odor exposure of rat pups has opposite effects on play by juvenile males and females. *Pharmacology Biochemistry and Behavior*. doi: <http://dx.doi.org/10.1016/j.pbb.2016.08.008>.

<http://www.sciencedirect.com/science/article/pii/S0091305716301496>

Stoica, B. A., Loane, D. J., Zhao, Z., Kabadi, S. V., Hanscom, M., Byrnes, K., & Faden, A. I. (2013). PARP-1 Inhibition Attenuates Neuronal Loss, Microglia Activation and Neurological Deficits

After Traumatic Brain Injury. *Journal of Neurotrauma*, (ja).

doi: <http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3194>

Stojakovic, A., Trushin, S., Sheu, A., Khalili, L., Chang, S.-Y., Li, X., . . . Trushina, E. (2021). Partial inhibition of mitochondrial complex I ameliorates Alzheimer's disease pathology and cognition in APP/PS1 female mice. *Communications Biology*, 4(1), 61. doi: 10.1038/s42003-020-01584-y. <https://doi.org/10.1038/s42003-020-01584-y>

Stolberg, V. R., Martin, B., Mancuso, P., Olszewski, M. A., Freeman, C. M., Curtis, J. L., & Chensue, S. W. (2013). Role of CC Chemokine Receptor 4 in Natural Killer Cell Activation during Acute Cigarette Smoke Exposure. *American Journal of Pathology*, (o). doi: <http://dx.doi.org/10.1016/j.ajpath.2013.10.017>.
<http://www.sciencedirect.com/science/article/pii/S0002944013007293>

Stoll, E. A., Habibi, B. A., Mikheev, A. M., Lasienne, J., Massey, S. C., Swanson, K. R., . . . Horner, P. J. (2011). Increased Re-Entry into Cell Cycle Mitigates Age-Related Neurogenic Decline in the Murine Subventricular Zone. *Stem Cells*, 29(12), 2005-2017. doi: 10.1002/stem.747. <http://dx.doi.org/10.1002/stem.747>

Stolp, H. B., Ek, C. J., Johansson, P. A., Dziegielewska, K. M., Potter, A. M., Habgood, M. D., & Saunders, N. R. (2007). Effect of minocycline on inflammation-induced damage to the blood-brain barrier and white matter during development. *European Journal of Neuroscience*, 26(12), 3465-3474. doi: 10.1111/j.1460-9568.2007.05973.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05973.x>

Stoltenberg, M., Bush, A. I., Bach, G., Smidt, K., Larsen, A., Rungby, J., . . . Danscher, G. (2007). Amyloid plaques arise from zinc-enriched cortical layers in APP/PS1 transgenic mice and are paradoxically enlarged with dietary zinc deficiency. *Neuroscience*, 150(2), 357-369. doi.

Stone, S. S. D., Teixeira, C. M., DeVito, L. M., Zaslavsky, K., Josselyn, S. A., Lozano, A. M., & Frankland, P. W. (2011). Stimulation of Entorhinal Cortex Promotes Adult Neurogenesis and Facilitates Spatial Memory. *Journal of Neuroscience*, 31(38), 13469-13484. doi: 10.1523/jneurosci.3100-11.2011. <http://www.jneurosci.org/content/31/38/13469.abstract>

Stopczynski, R. E., Poloskey, S. L., & Haber, S. N. (2008). Cell proliferation in the striatum during postnatal development: preferential distribution in subregions of the ventral striatum. *Brain Structure and Function*, 213(1), 119-127. doi.

Storace, D. A., Higgins, N. C., Chikar, J. A., Oliver, D. L., & Read, H. L. (2012). Gene Expression Identifies Distinct Ascending Glutamatergic Pathways to Frequency-Organized Auditory Cortex in the Rat Brain. *Journal of Neuroscience*, 32(45), 15759-15768. doi: 10.1523/jneurosci.1310-12.2012. <http://www.jneurosci.org/content/32/45/15759.abstract>

Storace, D. A., Higgins, N. C., & Read, H. L. (2010). Thalamic label patterns suggest primary and ventral auditory fields are distinct core regions. *Journal of Comparative Neurology*, 518(10), 1630-1646. doi.

Storace, D. A., Higgins, N. C., & Read, H. L. (2010). Thalamocortical pathway specialization for sound frequency resolution. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.22501. <http://dx.doi.org/10.1002/cne.22501>

Stöbel, M., Rehra, L., & Haastert-Talini, K. (2017). Reflex-based grasping, skilled forelimb reaching, and electrodiagnostic evaluation for comprehensive analysis of functional recovery—The 7-mm rat median nerve gap repair model revisited. *Brain and Behavior*, e00813-n/a. doi: 10.1002/brb3.813. <http://dx.doi.org/10.1002/brb3.813>

Stowe, A. M., Plautz, E. J., Eisner-Janowicz, I., Frost, S. B., Barbay, S., Zoubina, E. V., . . . Nudo, R. J. (2007). VEGF protein associates to neurons in remote regions following cortical infarct. *Journal of Cerebral Blood Flow and Metabolism*, 27, 76-85. doi.

Stowe, A. M., Plautz, E. J., Nguyen, P., Frost, S. B., Eisner-Janowicz, I., Barbay, S., . . . J., R. (2007). Neuronal HIF-1 α protein and VEGFR-2 immunoreactivity in functionally related motor areas following a focal M1 infarct. *Journal of Cerebral Blood Flow and Metabolism*. doi.

Stoyka, L. E., Arrant, A. E., Thrasher, D. R., Russell, D. L., Freire, J., Mahoney, C. L., . . . Volpicelli-Daley, L. A. (2020). Behavioral defects associated with amygdala and cortical dysfunction in mice with seeded α -synuclein inclusions. *Neurobiology of Disease*, 134, 104708. doi: <https://doi.org/10.1016/j.nbd.2019.104708>. <http://www.sciencedirect.com/science/article/pii/S0969996119303833>

Stozicka, Z., Zilka, N., Novak, P., Kovacech, B., Bugos, O., Novak, M., & others. (2010). Genetic background modifies neurodegeneration and neuroinflammation driven by misfolded human tau protein in rat model of tauopathy: implication for immunomodulatory approach to Alzheimer's disease. *Journal of neuroinflammation*, 7(1), 64-64. doi.

Strackx, E., Gantert, M., Moers, V., van Kooten, I. A. J., Rieke, R., Hürter, H., . . . others. (2011). Increased Number of Cerebellar Granule Cells and Astrocytes in the Internal Granule Layer in Sheep Following Prenatal Intra-amniotic Injection of Lipopolysaccharide. *The Cerebellum*, 1-13. doi.

Strackx, E., Van den Hove, D. L. A., Steinbusch, H. P., Steinbusch, H. W. M., Vles, J. S. H., Blanco, C. E., & Gavilanes, A. W. D. (2008). A combined behavioral and morphological study on the effects of fetal asphyxia on the nigrostriatal dopaminergic system in adult rats. *Experimental Neurology*, 211(2), 413-422. doi.

Strackx, E., Van den Hove, D. L. A., Steinbusch, H. P., Steinbusch, H. W. M., Vles, J. S. H., Blanco, C. E., & Gavilanes, A. W. D. (2010). Fetal asphyxia leads to the loss of striatal presynaptic boutons in adult rats. *International Journal of Developmental Neuroscience*, 28(3), 277-281. doi.

Strahan, J. A., Walker, W. H., Montgomery, T. R., & Forger, N. G. (2016). Minocycline causes widespread cell death and increases microglial labeling in the neonatal mouse brain. *Developmental Neurobiology*, n/a-n/a. doi: 10.1002/dneu.22457. <http://dx.doi.org/10.1002/dneu.22457>

Straiko, M. M., Young, C., Cattano, D., Creeley, C. E., Wang, H., Smith, D. J., . . . Olney, J. W. (2009). Lithium protects against anesthesia-induced developmental neuroapoptosis. *Anesthesiology Review*, 110(4), 862-868. doi.

Stranahan, A. M., Haberman, R. P., & Gallagher, M. (2010). Cognitive Decline Is Associated with Reduced Reelin Expression in the Entorhinal Cortex of Aged Rats. *Cerebral Cortex*, bhq106. doi: 10.1093/cercor/bhq106. <http://cercor.oxfordjournals.org/cgi/content/abstract/bhq106v1>

Stranahan, A. M., Jiam, N. T., Spiegel, A. M., & Gallagher, M. (2012). Aging reduces total neuron number in the dorsal component of the rodent prefrontal cortex. *Journal of Comparative Neurology*, 520(6), 1318-1326. doi: 10.1002/cne.22790. <http://dx.doi.org/10.1002/cne.22790>

Stranahan, A. M., Khalil, D., & Gould, E. (2007). Running induces widespread structural alterations in the hippocampus and entorhinal cortex. *Hippocampus*, 17(11), 1017-1022. doi.

Stratmann, G., Sall, J. W., Bell, J. S., Alvi, R. S., May, L. V., Ku, B., . . . others. (2010). Isoflurane does not affect brain cell death, hippocampal neurogenesis, or long-term neurocognitive outcome in aged rats. *Anesthesiology*, 112(2), 305-305. doi.

Stratmann, G., Sall, J. W., May, L. D. V., Bell, J. S., Magnusson, K. R., Rau, V., . . . others. (2009). Isoflurane differentially affects neurogenesis and long-term neurocognitive function in 60- day-old and 7-day-old rats. *Anesthesiology*, 110(4), 834-834. doi.

Streffing-Hellhake, P., Luft, A. R., & Hosp, J. A. (2020). Motor Learning Induces Profound but Delayed Dendritic Plasticity in M1 Layer II/III Pyramidal Neurons. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2020.06.039>. <http://www.sciencedirect.com/science/article/pii/S0306452220304188>

Strekalova, T., Bahzenova, N., Trofimov, A., Schmitt-Böhrer, A. G., Markova, N., Grigoriev, V., . . . Bachurin, S. (2017). Pro-neurogenic, Memory-Enhancing and Anti-stress Effects of DF302, a Novel Fluorine Gamma-Carboline Derivative with Multi-target Mechanism of Action. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-017-0745-6. <https://doi.org/10.1007/s12035-017-0745-6>

Stringer, J., Groenewegen, E., Liew, S. H., & Hutt, K. J. (2019). Nicotinamide mononucleotide does not protect the ovarian reserve from cancer treatments. *REP-19-0337*. doi: 10.1530/rep-19-0337. <https://rep.bioscientifica.com/view/journals/rep/aop/rep-19-0337.xml>

Stringer, J. M., Swindells, E. O. K., Zerafa, N., Liew, S. H., & Hutt, K. J. (2018). Multi-dose 5- Fluorouracil is highly toxic to growing ovarian follicles in mice. *Toxicological Sciences*, kfy189-kfy189. doi: 10.1093/toxsci/kfy189. <http://dx.doi.org/10.1093/toxsci/kfy189>

Stroh, T., van Schouwenburg, M. R., Beaudet, A., & Tannenbaum, G. S. (2009). Subcellular Dynamics of Somatostatin Receptor Subtype 1 in the Rat Arcuate Nucleus: Receptor Localization and Synaptic Connectivity Vary in Parallel with the Ultradian Rhythm of Growth Hormone Secretion. *Journal of Neuroscience*, 29(25), 8198-8205. doi:

10.1523/jneurosci.0336-

09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/25/8198>

Stromberg, I., Gemma, C., Vila, J., & Bickford, P. C. (2005). Blueberry-and spirulina-enriched diets enhance striatal dopamine recovery and induce a rapid, transient microglia activation after injury of the rat nigrostriatal dopamine system. *Experimental Neurology*, 196(2), 298-307. doi.

Strong, M. K., Southwell, A. L., Yonan, J. M., Hayden, M. R., MacGregor, G. R., Thompson, L. M., & Steward, O. (2012). Age-Dependent Resistance to Excitotoxicity in Htt CAG140 Mice and the Effect of Strain Background. *Journal of Huntington's Disease*. doi: 10.3233/jhd-129005. <http://dx.doi.org/10.3233/JHD-129005>

Stuebner, S., Faus-Kessler, T., Fischer, T., Wurst, W., & Prakash, N. (2010). Fzd3 and Fzd6 deficiency results in a severe midbrain morphogenesis defect. *Developmental Dynamics*, 239(1), 246-260. doi.

Sturm, E., Fellner, L., Krismer, F., Poewe, W., Wenning, G. K., & Stefanova, N. (2016). Neuroprotection by Epigenetic Modulation in a Transgenic Model of Multiple System Atrophy. [journal article]. *Neurotherapeutics*, 1-9. doi: 10.1007/s13311-016-0447-1
1. <http://dx.doi.org/10.1007/s13311-016-0447-1>

Stutzmann, G. E., McEwen, B. S., & LeDoux, J. E. (1998). Serotonin Modulation of Sensory Inputs to the Lateral Amygdala: Dependency on Corticosterone. *Journal of Neuroscience*, 18(22), 9529-9538. doi.
<http://www.jneurosci.org/cgi/content/abstract/18/22/9529>

Stygelbout, V., Leroy, K., Pouillon, V., Ando, K., D'Amico, E., Jia, Y., . . . Brion, J.-P. (2014). Inositol trisphosphate 3-kinase B is increased in human Alzheimer brain and exacerbates mouse Alzheimer pathology. *Brain*. doi: 10.1093/brain/awt344.
<http://brain.oxfordjournals.org/content/early/2014/01/08/brain.awt344.ab...>

Su, C., Yang, X., & Lou, J. (2016). Geniposide reduces α -synuclein by blocking microRNA-21/lysosome-associated membrane protein 2A interaction in Parkinson disease models. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2016.05.011>.
<http://www.sciencedirect.com/science/article/pii/S0006899316303663>

Su, C.-J., Shen, Z., Cui, R.-X., Huang, Y., Xu, D.-L., Zhao, F.-L., . . . Yu, Y.-L. (2020). Thioredoxin-Interacting Protein (TXNIP) Regulates Parkin/PINK1-mediated Mitophagy in Dopaminergic Neurons Under High-glucose Conditions: Implications for Molecular Links Between Parkinson's Disease and Diabetes. *Neuroscience bulletin*. doi: 10.1007/s12264-019-00459-5
5. <https://doi.org/10.1007/s12264-019-00459-5>

Su, D., Hooshmand, M. J., Galvan, M. D., Nishi, R. A., Cummings, B. J., & Anderson, A. J. (2020). Complement C6 deficiency exacerbates pathophysiology after spinal cord injury. *Scientific Reports*, 10(1), 19500. doi: 10.1038/s41598-020-76441-3.
<https://doi.org/10.1038/s41598-020-76441-3>

Su, H., Wang, L., Cai, J., Yuan, Q., Yang, X., Yao, X., . . . Wu, W. (2013). Transplanted motoneurons derived from human induced pluripotent stem cells form functional connections with target muscle. *Stem Cell Research*, (0). doi: <http://dx.doi.org/10.1016/j.scr.2013.02.007>.
<http://www.sciencedirect.com/science/article/pii/S187350611300024X>

Su, H., Wang, L., Huang, W., Qin, D., Cai, J., Yao, X., . . . Pei, D. (2013). Immediate expression of Cdh2 is essential for efficient neural differentiation of mouse induced pluripotent stem cells. *Stem Cell Research*, (0). doi: <http://dx.doi.org/10.1016/j.scr.2013.01.003>.
<http://www.sciencedirect.com/science/article/pii/S1873506113000044>

Su, H., Zhang, W., Guo, J., Guo, A., Yuan, Q., & Wu, W. (2009). Lithium enhances the neuronal differentiation of neural progenitor cells in vitro and after transplantation into the avulsed ventral horn of adult rats through the secretion of brain-derived neurotrophic factor. *Journal of Neurochemistry*, 108(6), 1385-1398. doi.

Su, H. X., & Cho, E. Y. P. (2003). Sprouting of axon-like processes from axotomized retinal ganglion cells induced by normal and preinjured intravitreal optic nerve grafts. *Brain Research*, 991(1-2), 150-162. doi.

Su, J., Wang, H., Yang, Y., Wang, J., Li, H., Huang, D., . . . Huang, F. (2018). RESP18 deficiency has protective effects in dopaminergic neurons in an MPTP mouse model of Parkinson's disease. *Neurochemistry International*, 118, 195-204. doi: <https://doi.org/10.1016/j.neuint.2018.06.010>.
<http://www.sciencedirect.com/science/article/pii/S0197018618302316>

Su, W., Matsumoto, S., Banine, F., Srivastava, T., Dean, J., Foster, S., . . . Sherman, L. S. (2019). A modified flavonoid accelerates oligodendrocyte maturation and functional remyelination. *Glia*, 0(0). doi: 10.1002/glia.23715. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23715>

Su, X., Kells, A. P., Huang, E. J., Lee, H. S., Hadaczek, P., Beyer, J., . . . others. (2009). Safety evaluation of AAV2-GDNF gene transfer into the dopaminergic nigrostriatal pathway in aged and parkinsonian rhesus monkeys. *Human Gene Therapy*, 20(12), 1627-1640. doi.

Su, X. W., Li, X. Y., Banasr, M., Duman, R. S., & others. (2009). Eszopiclone and fluoxetine enhance the survival of newborn neurons in the adult rat hippocampus. *International Journal of Neuropsychopharmacology*, 12(10). doi.

Su, X. W., Li, X. Y., Banasr, M., Koo, J. W., Shahid, M., Henry, B., & Duman, R. S. (2009). Chronic treatment with AMPA receptor potentiator Org 26576 increases neuronal cell proliferation and survival in adult rodent hippocampus. *Psychopharmacology*, 206(2), 215-222. doi.

Subbarayan, M. S., Hudson, C., Moss, L. D., Nash, K. R., & Bickford, P. C. (2020). T cell infiltration and upregulation of MHCII in microglia leads to accelerated neuronal loss in an α -synuclein rat model of Parkinson's disease. *Journal of neuroinflammation*, 17(1), 242. doi: 10.1186/s12974-020-01911-4. <https://doi.org/10.1186/s12974-020-01911-4>

Subramaniam, M., Kern, B., Vogel, S., Klose, V., Schneider, G., & Roeper, J. (2014). Selective increase of in vivo firing frequencies in DA SN neurons after proteasome inhibition in the ventral midbrain. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.12660. <http://dx.doi.org/10.1111/ejn.12660>

Suh, S. W., Fan, Y., Hong, S. M., Liu, Z., Matsumori, Y., Weinstein, P. R., . . . Liu, J. (2005). Hypoglycemia induces transient neurogenesis and subsequent progenitor cell loss in the rat hippocampus. *Diabetes*, 54(2), 500-500. doi.

Suh, S. W., Won, S. J., Hamby, A. M., Yoo, B. H., Fan, Y., Sheline, C. T., . . . Liu, J. (2009). Decreased brain zinc availability reduces hippocampal neurogenesis in mice and rats. *Journal of Cerebral Blood Flow and Metabolism*, 29(9), 1579-1588. doi.

Sui, Y., Horne, M. K., & Stanić, D. (2012). Reduced Proliferation in the Adult Mouse Subventricular Zone Increases Survival of Olfactory Bulb Interneurons. *PLoS ONE*, 7(2), e31549-e31549. doi.

Sui, Y. I., Stanić, D., Tomas, D., Jarrott, B., & Horne, M. K. (2009). Meloxicam reduces lipopolysaccharide-induced degeneration of dopaminergic neurons in the rat substantia nigra pars compacta. *Neuroscience Letters*, 460(2), 121-125. doi.

Sun, C., Sun, H., Wu, S., Lee, C. C., Akamatsu, Y., Wang, R. K., . . . Liu, J. (2013). Conditional Ablation of Neuroprogenitor Cells in Adult Mice Impedes Recovery of Poststroke Cognitive Function and Reduces Synaptic Connectivity in the Perforant Pathway. *The Journal of Neuroscience*, 33(44), 17314-17325. doi. <http://www.jneurosci.org/content/33/44/17314.short>

Sun, F. Y., Sun, X., Wang, J. J., Zhang, Q. W., & Wang, Y. Q. (2012). Assessment of Neurogenesis in Models of Focal Cerebral Ischemia. *Springer Protocols Handbooks*. doi.

Sun, G., Zhao, P., Fan, L., Bao, Z., Tu, Y., Li, C., . . . Ji, J. (2020). Curcumin alleviates neuroinflammation, enhances hippocampal neurogenesis, and improves spatial memory after traumatic brain injury. *Brain Research Bulletin*. doi: <https://doi.org/10.1016/j.brainresbull.2020.05.009>. <http://www.sciencedirect.com/science/article/pii/S0361923020305037>

Sun, H., Le, T., Chang, T. T. J., Habib, A., Wu, S., Shen, F., . . . Liu, J. (2011). AAV-mediated netrin-1 overexpression increases peri-infarct blood vessel density and improves motor function recovery after experimental stroke. *Neurobiology of Disease*. doi.

Sun, H., Liang, R., Yang, B., Zhou, Y., Liu, M., Fang, F., . . . Hu, G. (2016). Aquaporin-4 mediates communication between astrocyte and microglia: Implications of neuroinflammation in experimental Parkinson's disease. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.01.003>. <http://www.sciencedirect.com/science/article/pii/S0306452216000221>

Sun, J., Sha, B., Zhou, W., & Yang, Y. (2010). VEGF-mediated angiogenesis stimulates neural stem cell proliferation and differentiation in the premature brain. *Biochemical and Biophysical Research Communications*, 394(1), 146-152. doi.

Sun, J., Zhou, W., Ma, D., & Yang, Y. (2010). Endothelial cells promote neural stem cell proliferation and differentiation associated with VEGF activated Notch and Pten signaling. *Developmental Dynamics*, 239(9), 2345-2353. doi: <http://dx.doi.org/10.1002/dvdy.22377>

Sun, J., Zhou, W., Sha, B., & Yang, Y. (2010). Ischemia induced neural stem cell proliferation and differentiation in neonatal rat involved vascular endothelial growth factor and transforming growth factor-beta pathways. *Brain and Development*, 32(3), 191-200. doi:

Sun, L. Y., & Bartke, A. (2007). Adult Neurogenesis in the Hippocampus of Long-Lived Mice During Aging. *Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 62, 117-125. doi:

Sun, L. Y., Evans, M. S., Hsieh, J., Panici, J., & Bartke, A. (2005). Increased Neurogenesis in Dentate Gyrus of Long-Lived Ames Dwarf Mice. *Endocrinology*, 146(3), 1138-1144. doi: 10.1210/en.2004-1115. <http://endo.endojournals.org/cgi/content/abstract/146/3/1138>

Sun, M., Hölter, S., Stepan, J., Garrett, L., Genius, J., Kremmer, E., . . . Graw, J. (2013). Crybb2 coding for β B2-crystallin affects sensorimotor gating and hippocampal function. *Mammalian Genome*, 24(9-10), 333-348. doi: 10.1007/s00335-013-9478-7. <http://dx.doi.org/10.1007/s00335-013-9478-7>

Sun, M., Kong, L., Wang, X., Holmes, C., Gao, Q., Zhang, G. R., . . . Geller, A. I. (2004). Coexpression of tyrosine hydroxylase, GTP cyclohydrolase I, aromatic amino acid decarboxylase, and vesicular monoamine transporter 2 from a helper virus-free herpes simplex virus type 1 vector supports high-level, long-term biochemical and behavioral correction of a rat model of Parkinson's disease. *Human Gene Therapy*, 15(12), 1177-1196. doi:

Sun, M., Kong, L., Wang, X., Lu, X., Gao, Q., & Geller, A. I. (2005). Comparison of the capability of GDNF, BDNF, or both, to protect nigrostriatal neurons in a rat model of Parkinson's disease. *Brain Research*, 1052(2), 119-129. doi:

Sun, S., Sun, J., Jiang, W., Wang, W., & Ni, L. (2019). Nav1.7 via Promotion of ERK in the Trigeminal Ganglion Plays an Important Role in the Induction of Pulpitis Inflammatory Pain. *BioMed Research International*, 2019, 11. doi: 10.1155/2019/6973932. <https://doi.org/10.1155/2019/6973932>

Sun, X., Xiong, Z., Zhang, Y., Meng, Y., Xu, G., Xia, Z., . . . others. (2011). Harpagoside attenuates MPTP/MPP⁺ induced dopaminergic neurodegeneration and movement disorder via elevating glial cell line-derived neurotrophic factor. *Journal of Neurochemistry*. doi:

Sun, X., Zhang, Q. W., Xu, M., Guo, J. J., Shen, S. W., Wang, Y. Q., & Sun, F. Y. (2011). New striatal neurons form projections to substantia nigra in adult rat brain after stroke. *Neurobiology of Disease*. doi:

Sun, Y., Gao, Y., Tidei, J. J., Shen, M., Hoang, J. T., Wagner, D., & Zhao, X. (2018). Loss of MeCP2 in immature neurons leads to impaired network integration. *Human Molecular Genetics*, ddy338-ddy338. doi: 10.1093/hmg/ddy338. <http://dx.doi.org/10.1093/hmg/ddy338>

Sun, Y., Li, T., Xie, C., Xu, Y., Zhou, K., Rodriguez, J., . . . Zhu, C. (2017). Haploinsufficiency in the mitochondrial protein CHCHD4 reduces brain injury in a mouse model of neonatal hypoxia- ischemia. [Original Article]. *Cell Death Dis*, 8, e2781. doi: 10.1038/cddis.2017.196. <http://dx.doi.org/10.1038/cddis.2017.196>

Sun, Z., Ma, X., Yang, H., Chen, S., He, S., Sun, R., . . . Zhang, J. (2020). Characterization of Age- dependent Behavior Deficits in the PGC-1 α Knockout Mouse, in Relevance to the Parkinson's Disease Model. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2020.05.015>. <http://www.sciencedirect.com/science/article/pii/S0306452220303109>

Sundberg, M., Bogetofte, H., Lawson, T., Jansson, J., Smith, G., Astradsson, A., . . . Isacson, O. (2013). Improved Cell Therapy Protocols for Parkinson's Disease Based on Differentiation Efficiency and Safety of hESC-, hiPSC-, and Non-Human Primate iPSC-Derived Dopaminergic Neurons. *Stem Cells*, 31(8), 1548-1562. doi: 10.1002/stem.1415. <http://dx.doi.org/10.1002/stem.1415>

Sundberg, M., Savola, S., Hienola, A., Korhonen, L., & Lindholm, D. (2006). Glucocorticoid Hormones Decrease Proliferation of Embryonic Neural Stem Cells through Ubiquitin- Mediated Degradation of Cyclin D1. *Journal of Neuroscience*, 26(20), 5402-5410. doi: 10.1523/jneurosci.4906-05.2006. <http://www.jneurosci.org/cgi/content/abstract/26/20/5402>

Suo, H., Wang, P., Tong, J., Cai, L., Liu, J., Huang, D., . . . Huang, F. (2015). NRSF is an essential mediator for the neuroprotection of trichostatin A in the MPTP mouse model of Parkinson's disease. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2015.07.015>. <http://www.sciencedirect.com/science/article/pii/S0028390815300216>

Surendran, K., Boyle, S., Barak, H., Kim, M., Stomberski, C., McCright, B., & Kopan, R. (2010). The contribution of Notch1 to nephron segmentation in the developing kidney is revealed in a sensitized Notch2 background and can be augmented by reducing Mint dosage. *Developmental Biology*, 337(2), 386-395. doi.

Süß, P., Kalinichenko, L., Baum, W., Reichel, M., Kornhuber, J., Loskarn, S., . . . Schlachetzki, J. C. M. (2015). Hippocampal structure and function are maintained despite severe innate peripheral inflammation. *Brain, Behavior, and Immunity*, (o). doi: <http://dx.doi.org/10.1016/j.bbi.2015.05.011>. <http://www.sciencedirect.com/science/article/pii/S0889159115001579>

Suttkus, A., Holzer, M., Morawski, M., & Arendt, T. (2015). The neuronal extracellular matrix restricts distribution and internalization of aggregated Tau-protein. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.11.040>. <http://www.sciencedirect.com/science/article/pii/S0306452215010398>

Suttkus, A., Rohn, S., Weigel, S., Glöckner, P., Arendt, T., & Morawski, M. (2014). AggreCAN, link protein and tenascin-R are essential components of the perineuronal net to protect neurons against iron-induced oxidative stress. *Cell death & disease*, 5(3), e1119. doi: <http://www.nature.com/cddis/journal/v5/n3/full/cddis201425a.html>

Suwelack, D., Hurtado-Lorenzo, A., Millan, E., Gonzalez-Nicolini, V., Wawrowsky, K., Lowenstein, P. R., & Castro, M. G. (2004). Neuronal expression of the transcription factor Gli1 using the T α 1 α -tubulin promoter is neuroprotective in an experimental model of Parkinson's disease. *Gene Therapy*, 11(24), 1742-1752. doi.

Suzuki, K., Okada, K., Wakuda, T., Shinmura, C., Kamenoy, Y., Iwata, K., . . . others. (2010). Destruction of dopaminergic neurons in the midbrain by 6-hydroxydopamine decreases hippocampal cell proliferation in rats: reversal by fluoxetine. *PLoS ONE*, 5(2), e9260-e9260. doi.

Suzuki, M., McHugh, J., Tork, C., Shelley, B., Klein, S. M., Aebischer, P., & Svendsen, C. N. (2007). GDNF secreting human neural progenitor cells protect dying motor neurons, but not their projection to muscle, in a rat model of familial ALS. *PLoS ONE*, 2(8), e689-e689. doi.

Suzuki, S., Kawamata, J., Iwahara, N., Matsumura, A., Hisahara, S., Matsushita, T., . . . Shimohama, S. (2014). Intravenous mesenchymal stem cell administration exhibits therapeutic effects against 6-hydroxydopamine-induced dopaminergic neurodegeneration and glial activation in rats. *Neuroscience Letters*, (0). doi: <http://dx.doi.org/10.1016/j.neulet.2014.10.039>.
<http://www.sciencedirect.com/science/article/pii/S0304394014008519>

Suzuki, T., Bramlett, H. M., & Dietrich, W. D. (2003). The importance of gender on the beneficial effects of posttraumatic hypothermia. *Experimental Neurology*, 184(2), 1017-1026. doi.

Suzuki, T., Bramlett, H. M., Ruenes, G., & Dietrich, W. D. (2004). The effects of early post- traumatic hyperthermia in female and ovariectomized rats. *Journal of Neurotrauma*, 21(7), 842-853. doi.

Svarcbahs, R., Julku, U. H., & Myöhänen, T. T. (2016). Inhibition of Prolyl Oligopeptidase Restores Spontaneous Motor Behavior in the α -Synuclein Virus Vector-Based Parkinson's Disease Mouse Model by Decreasing α -Synuclein Oligomeric Species in Mouse Brain. *Journal of Neuroscience*, 36(49), 12485-12497. doi: <http://www.jneurosci.org/content/36/49/12485>

Svarcbahs, R., Julku, U. H., Norrbacka, S., & Myöhänen, T. T. (2018). Removal of prolyl oligopeptidase reduces alpha-synuclein toxicity in cells and in vivo. *Scientific Reports*, 8(1), 1552. doi: 10.1038/s41598-018-19823-y. <https://doi.org/10.1038/s41598-018-19823-y>

Svedin, P., Hagberg, H., Savman, K., Zhu, C., & Mallard, C. (2007). Matrix Metalloproteinase-9 Gene Knock-out Protects the Immature Brain after Cerebral Hypoxia-Ischemia. *Journal of Neuroscience*, 27(7), 1511-1518. doi: 10.1523/jneurosci.4391-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/7/1511>

Swan, A. A., Clutton, J. E., Chary, P. K., Cook, S. G., Liu, G. G., & Drew, M. R. (2014). Characterization of the role of adult neurogenesis in touch-screen discrimination learning. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22337. <http://dx.doi.org/10.1002/hipo.22337>

Swanger, S. A., Neuhuber, B., Himes, B. T., Bakshi, A., & Fischer, I. (2005). Analysis of allogeneic and syngeneic bone marrow stromal cell graft survival in the spinal cord. *Cell Transplantation*, 14(10), 775-786. doi.

Swanson, C., & Emborg, M. (2014). Expression of peroxisome proliferator-activated receptor- gamma in the substantia nigra of hemiparkinsonian nonhuman primates. *Neurological Research*, 0(0), 1743132813Y.0000000305. doi: doi:10.1179/1743132813Y.0000000305. <http://www.maneyonline.com/doi/abs/10.1179/1743132813Y.0000000305>

Swanson, C. R., Joers, V., Bondarenko, V., Brunner, K., Simmons, H. A., Ziegler, T. E., . . . Emborg, M. E. (2011). The PPAR-g agonist pioglitazone modulates inflammation and induces neuroprotection in parkinsonian monkeys. *Journal of Neuroinflammation*, 8, 91. doi.

Swartz, K. R., Fee, D. B., Joy, K. M., Roberts, K. N., Sun, S., Scheff, N. N., . . . Scheff, S. W. (2007). Gender Differences in Spinal Cord Injury Are Not Estrogen-Dependent. *Journal of Neurotrauma*, 24(3), 473-480. doi.

Sweet, R. A., Bergen, S. E., Sun, Z., Marcisin, M. J., Sampson, A. R., & Lewis, D. A. (2007). Anatomical evidence of impaired feedforward auditory processing in schizophrenia. *Biological Psychiatry*, 61(7), 854-864. doi.

Sweet, R. A., Bergen, S. E., Sun, Z., Sampson, A. R., Pierri, J. N., & Lewis, D. A. (2004). Pyramidal cell size reduction in schizophrenia: evidence for involvement of auditory feedforward circuits. *Biological Psychiatry*, 55(12), 1128-1137. doi.

Sweet, R. A., Dorph-Petersen, K. A., & Lewis, D. A. (2005). Mapping auditory core, lateral belt, and parabelt cortices in the human superior temporal gyrus. *Journal of Comparative Neurology*, 491(3), 270-289. doi.

Sweet, R. A., Henteleff, R. A., Zhang, W., Sampson, A. R., & Lewis, D. A. (2008). Reduced Dendritic Spine Density in Auditory Cortex of Subjects with Schizophrenia

Neuropsychopharmacology. doi.

Sweet, R. A., Pierri, J. N., Auh, S., Sampson, A. R., & Lewis, D. A. (2003). Reduced Pyramidal Cell Somal Volume in Auditory Association Cortex of Subjects with Schizophrenia. *Neuropsychopharmacology*, 28, 599-609. doi.

Sweigard, J. H., Cashman, S. M., & Kumar-Singh, R. (2010). Adenovirus vectors targeting distinct cell types in the retina. *Investigative Ophthalmology and Visual Science*, 51(4), 2219- 2228. doi.

Swiegers, J., Bhagwandin, A., Sherwood, C. C., Bertelsen, M. F., Maseko, B. C., Hemingway, J., . . . Manger, P. R. (2018). The distribution, number, and certain neurochemical identities of infracortical white matter neurons in a lar gibbon (*Hylobates lar*) brain. *Journal of Comparative Neurology*, 0(0). doi: doi:10.1002/cne.24545. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24545>

Sychowski, D. J., Love, J., Greene, R., & Peterson, D. A. (2019). Investigation of the Neuroinflammatory Response in Hippocampal Subfields After a Single Mild Traumatic Brain Injury (mTBI) in Rats. doi.
<https://publications.lakeforest.edu/gss/gss2019/program/20/>

Szalkowski, C. E., Booker, A. B., Truong, D. T., Threlkeld, S. W., Rosen, G. D., & Fitch, R. H. (2013). Knockdown of the Candidate Dyslexia Susceptibility Gene Homolog *Dyx1c1* in Rodents: Effects on Auditory Processing, Visual Attention, and Cortical and Thalamic Anatomy. *Developmental Neuroscience*. doi.

Szalkowski, C. E., Fiondella, C. F., Truong, D. T., Rosen, G. D., LoTurco, J. J., & Fitch, R. H. (2012). The effects of *Kiaa0319* knockdown on cortical and subcortical anatomy in male rats.

International Journal of Developmental Neuroscience, (0).

doi: <http://dx.doi.org/10.1016/j.ijdevneu.2012.11.008>.

<http://www.sciencedirect.com/science/article/pii/S0736574812005990>

Szegő, É. M., Gerhardt, E., Kermer, P., & Schulz, J. B. (2011). A30P α -synuclein impairs dopaminergic fiber regeneration and interacts with L-DOPA replacement in MPTP-treated mice. *Neurobiology of Disease*. doi.

Szegő, É. M., Gerhardt, E., Outeiro, T. F., & Kermer, P. (2011). Dopamine-depletion and increased α -synuclein load induce degeneration of cortical cholinergic fibers in mice. *Journal of the Neurological Sciences*. doi.

Szegő, É. M., Outeiro, T. F., Kermer, P., & Schulz, J. B. (2012). Impairment of the septal cholinergic neurons in MPTP-treated A30P α -synuclein mice. *Neurobiology of Aging*. doi.

Szulwach, K. E., Li, X., Smrt, R. D., Li, Y., Luo, Y., Lin, L., . . . Jin, P. (2010). Cross talk between microRNA and epigenetic regulation in adult neurogenesis. *Journal of Cell Biology*, 189(1), 127-141. doi: 10.1083/jcb.200908151.
<http://jcb.rupress.org/content/189/1/127.abstract>

Ta, T. A., Koenig, C. M., Golub, M. S., Pessah, I. N., Qi, L., Aronov, P. A., & Berman, R. F. (2011). Bioaccumulation and behavioral effects of 2, 2', 4, 4'-tetrabromodiphenyl ether (BDE-47) in perinatally exposed mice. *Neurotoxicology and Teratology*. doi.

Ta, T.-T., Dikmen, H. O., Schilling, S., Chausse, B., Lewen, A., Hollnagel, J.-O., & Kann, O. (2019). Priming of microglia with IFN- γ slows neuronal gamma oscillations in situ. *Proceedings of the National Academy of Sciences*, 201813562. doi. <https://www.pnas.org/content/early/2019/02/15/1813562116.short>

Tabar, V., Panagiotakos, G., Greenberg, E. D., Chan, B. K., Sadelain, M., Gutin, P. H., & Studer, L. (2005). Migration and differentiation of neural precursors derived from human embryonic stem cells in the rat brain. *Nature Biotechnology*, 23, 601-606. doi.

Taffe, M. A., Kotzebue, R. W., Crean, R. D., Crawford, E. F., Edwards, S., & Mandym, C. D. (2010). Long-lasting reduction in hippocampal neurogenesis by alcohol consumption in adolescent nonhuman primates. *Proceedings of the National Academy of Sciences*, 107(24), 11104-11109. doi: 10.1073/Proceedings of the National Academy of Sciences.0912810107. <http://www.Proceedings of the National Academy of Sciences.org/content/107/24/11104.abstract>

Tagalakakis, A. D., Kenny, G. D., Bienemann, A. S., McCarthy, D., Munye, M. M., Taylor, H., . . . Hart, S. L. (2013). PEGylation improves the receptor-mediated transfection efficiency of peptide-targeted, self-assembling, anionic nanocomplexes. *Journal of Controlled Release*, (0).

doi: <http://dx.doi.org/10.1016/j.jconrel.2013.11.014>.

<http://www.sciencedirect.com/science/article/pii/S0168365913009036>

Taghizadehghalehjoughi, A., Hacimuftuoglu, A., Cetin, M., Ugur, A. B., Galateanu, B., Mezhuiev, Y., . . . El-Aty, A. A. (2018). Effect of metformin/irinotecan-loaded poly-lactic-co- glycolic acid nanoparticles on glioblastoma: in vitro and in vivo studies. *Nanomedicine*, 13(13), 1595-1606. doi: 10.2217/nnm-2017-

0386. <https://www.futuremedicine.com/doi/abs/10.2217/nnm-2017-0386>

Tagliaferro, P., Kareva, T., Oo, T. F., Yarygina, O., Kholodilov, N., & Burke, R. E. (2015). An Early Axonopathy in a hLRRK2(R1441G) Transgenic Model of Parkinson Disease. *Neurobiology of Disease*.

doi: <http://dx.doi.org/10.1016/j.nbd.2015.07.009>.

<http://www.sciencedirect.com/science/article/pii/S0969996115300139>

Takahashi, H., Brasnjevic, I., Rutten, B. P. F., Van Der Kolk, N., Perl, D. P., Bouras, C., . . . Dickstein, D. L. (2010). Hippocampal interneuron loss in an APP/PS1 double mutant mouse and in Alzheimer's disease. *Brain Structure and Function*, 214(2), 145-160. doi.

Takahashi, N., Sakurai, T., Bozdagi-Gunal, O., Dorr, N. P., Moy, J., Krug, L., . . . others. (2011). Increased expression of receptor phosphotyrosine phosphatase- β

/ ζ is associated with molecular, cellular, behavioral and cognitive schizophrenia phenotypes. *Translational Psychiatry*, 1(5), e8-e8. doi.

Takahashi, R. H., Capetillo-Zarate, E., Lin, M. T., Milner, T. A., & Gouras, G. K. (2013). Accumulation of Intraneuronal β -Amyloid 42 Peptides Is Associated with Early Changes in Microtubule-Associated Protein 2 in Neurites and Synapses. *Plos one*, 8(1), e51965. doi: 10.1371/journal.pone.0051965.

<http://dx.doi.org/10.1371/journal.pone.0051965>

Takahashi, T., Zhu, Y., Hata, T., Shimizu-Okabe, C., Suzuki, K., & Nakahara, D. (2009). Intracranial self-stimulation enhances neurogenesis in hippocampus of adult mice and rats. *Neuroscience*, 158(2), 402-411. doi.

Takami, T., Oudega, M., Bates, M. L., Wood, P. M., Kleitman, N., & Bunge, M. B. (2002). Schwann Cell But Not Olfactory Ensheathing Glia Transplants Improve Hindlimb Locomotor Performance in the Moderately Contused Adult Rat Thoracic Spinal Cord. *Journal of Neuroscience*, 22(15), 6670-6681.

doi: <http://www.jneurosci.org/cgi/content/abstract/22/15/6670>

Takase, H. M., & Nusse, R. (2016). Paracrine Wnt/ β -catenin signaling mediates proliferation of undifferentiated spermatogonia in the adult mouse testis. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1601461113.

<http://www.pnas.org/content/early/2016/02/23/1601461113.abstract>

Takeda, A., Sakamoto, K., Tamano, H., Fukura, K., Inui, N., Suh, S. W., . . . Yokogoshi, H. (2011). Facilitated neurogenesis in the developing hippocampus after intake of theanine, an amino acid in tea leaves, and object recognition memory. *Cellular and Molecular Neurobiology*, 1-10. doi.

Takeuchi, H., Yanagida, T., Inden, M., Takata, K., Kitamura, Y., Yamakawa, K., . . . others. (2009). Nicotinic receptor stimulation protects nigral dopaminergic neurons in rotenone-induced Parkinson's disease models. *Journal of Neuroscience Research*, 87(2), 576-585. doi.

Tal, Y., Anavi, S., Reisman, M., Samach, A., Tirosh, O., & Troen, A. M. (2016). The neuroprotective properties of a novel variety of passion fruit. *Journal of Functional Foods*, 23, 359-369. doi: <http://dx.doi.org/10.1016/j.jff.2016.02.039>. <http://www.sciencedirect.com/science/article/pii/S1756464616000955>

Talbot, K., Wang, H. Y., Kazi, H., Han, L. Y., Bakshi, K. P., & Stucky, A. (2012). Demonstrated brain insulin resistance in Alzheimer's disease patients is associated with IGF-1 resistance, IRS-1 dysregulation, and cognitive decline. *Journal of Clinical Investigation*, 122. doi: 10.1172/jci59903. <http://dx.doi.org/10.1172/JCI59903>

Talishinsky, A., & Rosen, G. D. (2012). Systems Genetics of the Lateral Septal Nucleus in Mouse: Heritability, Genetic Control, and Covariation with Behavioral and Morphological Traits. *Plos one*, 7(8), e44236. doi.

Tallaksen-Greene, S. J., Sadagurski, M., Zeng, L., Mauch, R., Perkins, M., Banduseela, V. C., . . . Albin, R. L. (2014). Differential Effects of Delayed Aging on Phenotype and Striatal Pathology in a Murine Model of Huntington Disease. *The Journal of Neuroscience*, 34(47), 15658-15668. doi. <http://www.jneurosci.org/content/34/47/15658.short>

Tam, W. Y., Leung, C. K. Y., Tong, K. K., & Kwan, K. M. (2011). Foxp4 is essential in maintenance of purkinje cell dendritic arborization in the mouse cerebellum. *Neuroscience*, 172, 562-571. doi.

Tamaki, S. J., Jacobs, Y., Dohse, M., Capela, A., Cooper, J. D., Reitsma, M., . . . Uchida, N. (2009). Neuroprotection of Host Cells by Human Central Nervous System Stem Cells in a Mouse Model of Infantile Neuronal Ceroid Lipofuscinosis. *Cell Stem Cell*, 5(3), 310-319. doi. <http://linkinghub.elsevier.com/retrieve/pii/S1934590909002318>

Tamaki, T., Hirata, M., Nakajima, N., Saito, K., Hashimoto, H., Soeda, S., . . . Watanabe, M. (2016). A Long-Gap Peripheral Nerve Injury Therapy Using Human Skeletal Muscle-Derived Stem Cells (Sk-SCs): An Achievement of Significant Morphological, Numerical and Functional Recovery. *Plos one*, 11(11), e0166639. doi: 10.1371/journal.pone.0166639. <http://dx.doi.org/10.1371%2Fjournal.pone.0166639>

Tamaki, T., Hirata, M., Soeda, S., Nakajima, N., Saito, K., Nakazato, K., . . . Mochida, J. (2014). Preferential and Comprehensive Reconstitution of Severely Damaged Sciatic Nerve Using Murine Skeletal Muscle-Derived Multipotent Stem Cells. *Plos one*, 9(3), e91257. doi: 10.1371/journal.pone.0091257. <http://dx.doi.org/10.1371%2Fjournal.pone.0091257>

Taman, F. D., Kervancioglu, P., Kervancioglu, A. S., & Turhan, B. (2019). The importance of volume and area fractions of cerebellar volume and vermian subregion areas: a stereological study on MR images. [journal article]. Child's Nervous System. doi: 10.1007/s00381-019-04369-9. <https://doi.org/10.1007/s00381-019-04369-9>

Tan, O., Ergen, D., Atik, B., Gundogdu, C., Calik, I., & Can, I. (2008). The Effect of Perforator Location on Epigastric Perforator Flap Survival: An Experimental and Stereological Study in Guinea Pigs. Journal of Reconstructive Microsurgery, 24(1), 43-43. doi.

Tan, R. H., Kril, J. J., McGinley, C., Hassani, M., Masuda-Suzukake, M., Hasegawa, M., . . . Halliday, G. M. (2015). Cerebellar neuronal loss in als cases with ATXN2 intermediate repeat expansions. Annals of Neurology, n/a-n/a. doi: 10.1002/ana.24565. <http://dx.doi.org/10.1002/ana.24565>

Tan, S. S., Zhan, W., Phoon, C. J., Han, X., Marre, D., Boodhun, S., . . . Morrison, W. A. (2017). Melatonin promotes survival of non-vascularized fat grafts and enhances the viability and migration of human adipose-derived stem cells via down-regulation of acute inflammatory cytokines. Journal of Tissue Engineering and Regenerative Medicine, n/a-n/a. doi: 10.1002/term.2463. <http://dx.doi.org/10.1002/term.2463>

Tan, X., Liu, Wenying A., Zhang, X.-J., Shi, W., Ren, S.-Q., Li, Z., . . . Shi, S.-H. (2016). Vascular Influence on Ventral Telencephalic Progenitors and Neocortical Interneuron Production. Developmental Cell, 36(6), 624-638. doi: <http://dx.doi.org/10.1016/j.devcel.2016.02.023>. <http://www.sciencedirect.com/science/article/pii/S1534580716300788>

Tan, Y., Sgobio, C., Arzberger, T., Machleid, F., Tang, Q., Findeis, E., . . . Koeglsperger, T. (2019). Loss of fragile X mental retardation protein precedes Lewy pathology in Parkinson's disease. [journal article]. Acta Neuropathologica. doi: 10.1007/s00401-019-02099-5. <https://doi.org/10.1007/s00401-019-02099-5>

Tanabe, S., Inoue, K.-i., Tsuge, H., Uezono, S., Nagaya, K., Fujiwara, M., . . . Takada, M. (2017). The use of an optimized chimeric envelope glycoprotein enhances the efficiency of retrograde gene transfer of a pseudotyped lentiviral vector in the primate brain. Neuroscience Research. doi: <http://dx.doi.org/10.1016/j.neures.2017.02.007>. <http://www.sciencedirect.com/science/article/pii/S0168010216303236>

Tanabe, S., Uezono, S., Tsuge, H., Fujiwara, M., Miwa, M., Kato, S., . . . Takada, M. (2019). A note on retrograde gene transfer efficiency and inflammatory response of lentiviral vectors pseudotyped with FuG-E vs. FuG-B2 glycoproteins. Scientific Reports, 9(1), 3567. doi: 10.1038/s41598-019-39535-1. <https://doi.org/10.1038/s41598-019-39535-1>

Tang, F.-L., Erion, J. R., Tian, Y., Liu, W., Yin, D.-M., Ye, J., . . . Xiong, W.-C. (2015). VPS35 in Dopamine Neurons Is Required for Endosome-to-Golgi Retrieval of Lamp2a, a Receptor of Chaperone-Mediated Autophagy That Is Critical for α -Synuclein Degradation and Prevention of Pathogenesis of Parkinson's Disease. The Journal of Neuroscience, 35(29), 10613-10628. doi. <http://www.jneurosci.org/content/35/29/10613.short>

Tang, M., Miyamoto, Y., & Huang, E. J. (2009). Multiple roles of β -catenin in controlling the neurogenic niche for midbrain dopamine neurons. *Development*, 136(12), 2027-2038. doi: 10.1242/dev.034330.
<http://dev.biologists.org/cgi/content/abstract/136/12/2027>

Tang, M., Villaescusa, J. C., Luo, S. X., Guitarte, C., Lei, S., Miyamoto, Y., . . . Huang, E. J. (2010). Interactions of Wnt/ β

-catenin signaling and sonic hedgehog regulate the neurogenesis of ventral midbrain dopamine neurons. *Journal of Neuroscience*, 30(27), 9280-9291. doi.

Tang, M., Wu, G., Wang, Z., Yang, N., Shi, H., He, Q., . . . Tang, Z. (2016). Voltage-gated potassium channels involved in regulation of physiological function in MrgprA3-specific itch neurons. *Brain Research*, 1636, 161-171.
doi: <http://dx.doi.org/10.1016/j.brainres.2016.02.014>.
<http://www.sciencedirect.com/science/article/pii/S0006899316300488>

Tang, M. K., Kindler, P. M., Cai, D. Q., Chow, P. H., Li, M., & Lee, K. K. H. (2004). Heart-type fatty acid binding proteins are upregulated during terminal differentiation of mouse cardiomyocytes, as revealed by proteomic analysis. *Cell and Tissue Research*, 316(3), 339-347. doi.

Tang, T.-S., Chen, X., Liu, J., & Bezprozvanny, I. (2007). Dopaminergic Signaling and Striatal Neurodegeneration in Huntington's Disease. *Journal of Neuroscience*, 27(30), 7899-7910. doi: 10.1523/jneurosci.1396-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/30/7899>

Tang, T.-S., Guo, C., Wang, H., Chen, X., & Bezprozvanny, I. (2009). Neuroprotective Effects of Inositol 1,4,5-Trisphosphate Receptor C-Terminal Fragment in a Huntington's Disease Mouse Model. *Journal of Neuroscience*, 29(5), 1257-1266. doi: 10.1523/jneurosci.4411-08.2009.
<http://www.jneurosci.org/cgi/content/abstract/29/5/1257>

Tang, X., Jiao, L., Zheng, M., Yan, Y., Nie, Q., Wu, T., . . . Lin, X. (2018). Tau Deficiency Down-Regulated Transcription Factor Orthodenticle Homeobox 2 Expression in the Dopaminergic Neurons in Ventral Tegmental Area and Caused No Obvious Motor Deficits in Mice. *Neuroscience*.
doi: <https://doi.org/10.1016/j.neuroscience.2018.01.002>.
<http://www.sciencedirect.com/science/article/pii/S0306452218300186>

Tang, Y., Lopez, I., & Baloh, R. W. (2001). Age-related change of the neuronal number in the human medial vestibular nucleus: a stereological investigation. *Journal of Vestibular Research*, 11(6), 357-364. doi.

Tang, Y., Lopez, I., & Ishiyama, A. (2002). Application of unbiased stereology on archival human temporal bone. *Laryngoscope*, 112(3), 526-533. doi.

Tang, Y. P., & Wade, J. (2010). Sex-and age-related differences in ribosomal proteins L17 and L37, as well as androgen receptor protein, in the song control system of zebra finches. *Neuroscience*, 171(4), 1131-1140. doi.

Tang, Y. P., & Wade, J. (2011). Developmental Changes in the Sexually Dimorphic Expression of Secretory Carrier Membrane Protein 1 and Its Co-Localisation with Androgen Receptor Protein in the Zebra Finch Song System. *Journal of Neuroendocrinology*, 23(7), 584-590. doi: 10.1111/j.1365-2826.2011.02146.x. <http://dx.doi.org/10.1111/j.1365-2826.2011.02146.x>

Tang, Y. P., & Wade, J. (2012). 17 β -Estradiol Regulates the Sexually Dimorphic Expression of BDNF and TrkB Proteins in the Song System of Juvenile Zebra Finches. *Plos one*, 7(8), e43687. doi.

Tang, Y. P., & Wade, J. (2013). Developmental Changes in BDNF Protein in the Song Control Nuclei of Zebra Finches. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.07.062>. <http://www.sciencedirect.com/science/article/pii/S0306452213006568>

Tanti, A., Kim, J. J., Wakid, M., Davoli, M. A., Turecki, G., & Mechawar, N. (2017). Child abuse associates with an imbalance of oligodendrocyte-lineage cells in ventromedial prefrontal white matter. [Original Article]. *Molecular Psychiatry*. doi: 10.1038/mp.2017.231. <http://dx.doi.org/10.1038/mp.2017.231>

Tao, C. S., Dhamija, P., Booij, L., & Menard, J. L. (2017). Adversity in early adolescence promotes an enduring anxious phenotype and increases serotonergic innervation of the infralimbic medial prefrontal cortex. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.09.004>. <http://www.sciencedirect.com/science/article/pii/S0306452217306383>

Tao, F., Li, Q., Liu, S., Wu, H., Skinner, J., Hurtado, A., . . . Johns, R. A. (2012). Role of Neuregulin- 1/ErbB Signaling in Stem Cell Therapy for Spinal Cord Injury-induced Chronic Neuropathic Pain. *Stem Cells*, N/A-N/A. doi: 10.1002/stem.1258. <http://dx.doi.org/10.1002/stem.1258>

Tao, J. D., Barnette, A. R., Griffith, J. L., Neil, J. J., & Inder, T. E. (2011). Histopathologic correlation with diffusion tensor imaging after chronic hypoxia in the immature ferret. *Pediatric Research*. doi.

Tao, Y., Vermilyea, S. C., Zammit, M., Lu, J., Olsen, M., Metzger, J. M., . . . Zhang, S.-C. (2021). Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. *Nature Medicine*. doi: 10.1038/s41591-021-01257-1. <https://doi.org/10.1038/s41591-021-01257-1>

Tapia-Rodríguez, M., Esquivelzeta-Rabell, J. F., & Gutiérrez-Ospina, G. (2012). Chronically reinforced, operant olfactory conditioning increases the number of newborn GABAergic olfactory periglomerular neurons in the adult rat. *Journal of Chemical Neuroanatomy*, (0). doi: 10.1016/j.jchemneu.2012.09.001. http://www.sciencedirect.com/science/article/pii/S0891_061812000579

Tapias, V., Cannon, J. R., & Greenamyre, J. T. (2010). Melatonin treatment potentiates neurodegeneration in a rat rotenone Parkinson's disease model. *Journal of Neuroscience Research*, 88(2), 420-427. doi.

Tapias, V., Greenamyre, J. T., & Watkins, S. C. (2012). Automated imaging system for fast quantitation of neurons, cell morphology and neurite morphometry in vivo and in vitro. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2012.11.018>.

<http://www.sciencedirect.com/science/article/pii/S0969996112003816>

Tarlac, V., Kelly, L., Nag, N., Allen-Graham, J., Anderson, R., & Storey, E. (2012). *HLA-DR3-DQ2 Mice Do Not Develop Ataxia in the Presence of High Titre Anti-gliadin Antibodies. The Cerebellum*, 1-7. doi: 10.1007/s12311-012-0425-z.

<http://dx.doi.org/10.1007/s12311-012-0425-z>

Tassone, F., Greco, C. M., Hunsaker, M. R., Seritan, A. L., Berman, R. F., Gane, L. W., . . . Hagerman, R. J. (2012). Neuropathological, Clinical, and Molecular Pathology in Female Fragile X Premutation Carriers with and without FXTAS. *Genes, Brain and Behavior*, no-no. doi: 10.1111/j.1601-183X.2012.00779.x.

<http://dx.doi.org/10.1111/j.1601-183X.2012.00779.x>

Tata, D. A., Marciano, V. A., & Anderson, B. J. (2006). Synapse loss from chronically elevated glucocorticoids: relationship to neuropil volume and cell number in hippocampal area CA3. *Journal of Comparative Neurology*, 498(3), 363-374. doi.

Tatapudy, S., Bruening, S., Gleason, G., & Toth, M. (2008). Validation and use of a computer- assisted counting procedure to quantify BrdU-labeled proliferating cells in the early postnatal mouse hippocampus. *Journal of Neuroscience Methods*, 172(2), 173-177. doi.

Tatar, A., Korkmaz, M., Yayla, M., Polat, E., Uslu, H., Halici, Z., & Parlak, S. N. (2016). The potential role of amlodipine on experimentally induced bacterial rhinosinusitis. *Brazilian Journal of Otorhinolaryngology*.

doi: <http://dx.doi.org/10.1016/j.bjorl.2016.08.006>.

<http://www.sciencedirect.com/science/article/pii/S1808869416301690>

Tatar, A., Parlak, S. N., Yayla, M., Ugan, R. A., Polat, E., & Halici, Z. (2015). Effects of allergic rhinitis and desloratadine on the submandibular gland in a rat allergy model. *International Forum of Allergy & Rhinology*, n/a-n/a. doi:

10.1002/alr.21589. <http://dx.doi.org/10.1002/alr.21589>

Tate, C. C., Garcia, A. J., & LaPlaca, M. C. (2007). Plasma fibronectin is neuroprotective following traumatic brain injury. *Experimental Neurology*, 207(1), 13-22. doi.

Tate, M. C., Lindquist, R. A., Nguyen, T., Sanai, N., Barkovich, A. J., Huang, E. J., . . . Alvarez-Buylla, A. (2014). Postnatal growth of the human pons: A morphometric and immunohistochemical analysis. *Journal of Comparative Neurology*, n/a-n/a. doi:

10.1002/cne.23690. <http://dx.doi.org/10.1002/cne.23690>

Tatenhorst, L., Tönges, L., Saal, K.-A., Koch, J. C., Szego, É. M., Bähr, M., & Lingor, P. (2014). Rho Kinase Inhibition by Fasudil in the Striatal 6-Hydroxydopamine Lesion Mouse Model of Parkinson Disease. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.000000000000095.

doi: http://journals.lww.com/jneuropath/Fulltext/publishahead/Rho_Kinase_Inhi..

Taylor, A. N., Rahman, S. U., Tio, D. L., Gardner, S. M., Kim, C. J., & Sutton, R. L. (2010). Injury severity differentially alters sensitivity to dexamethasone after traumatic brain injury. *Journal of Neurotrauma*, 27(6), 1081-1089. doi.

Taylor, H., Barua, N., Bienemann, A., Wyatt, M., Castrique, E., Foster, R., . . . Gill, S. (2013). Clearance and Toxicity of Recombinant Methionyl Human Glial Cell Line-Derived Neurotrophic Factor (r-metHu GDNF) Following Acute Convection-Enhanced Delivery into the Striatum. *PLoS ONE*, 8(3), e56186. doi: 10.1371/journal.pone.0056186. <http://dx.doi.org/10.1371%2Fjournal.pone.0056186>

Taylor, T. N., Alter, S. P., Wang, M., Goldstein, D. S., & Miller, G. W. (2013). Reduced vesicular storage of catecholamines causes progressive degeneration in the locus ceruleus. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.08.033>. <http://www.sciencedirect.com/science/article/pii/S0028390813004000>

Taylor, T. N., Potgieter, D., Anwar, S., Senior, S. L., Janezic, S., Threlfell, S., . . . Wade-Martins, R. (2013). Region-specific deficits in dopamine, but not norepinephrine, signaling in a novel A30P α -synuclein BAC transgenic mouse. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2013.10.005>. <http://www.sciencedirect.com/science/article/pii/S0969996113002787>

Taylor-Reinwald, L., Grant, E., Goate, A., Morris, J., & Cairns, N. (2011). Neuropathology of preclinical and incipient Alzheimer's dementia. *Alzheimer's and Dementia*, 7(4), S303T303-S303T303. doi.

Taymans, J. M., Kia, H. K., & Langlois, X. (2006). Activator of G protein signaling type 3 mRNA is widely distributed in the rat brain and is particularly abundant in the subventricular zone- olfactory bulb system of neural precursor cell proliferation, migration and differentiation. *Neuroscience Letters*, 391(3), 116-121. doi.

Taymans, J.-M., Van den Haute, C., & Baekelandt, V. (2006). Distribution of PINK1 and LRRK2 in rat and mouse brain. *Journal of Neurochemistry*, 98(3), 951-961. doi: 10.1111/j.1471-4159.2006.03919.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2006.03919.x>

Tchantchou, F., Fourney, W. L., Leiste, U. H., Vaughan, J., Rangghran, P., Puche, A., & Fiskum, G. (2017). Neuropathology and neurobehavioral alterations in a rat model of traumatic brain injury to occupants of vehicles targeted by underbody blasts. *Experimental Neurology*, 289, 9-20. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.12.001>. <http://www.sciencedirect.com/science/article/pii/S0014488616304010>

Tchantchou, F., Goodfellow, M., Li, F., Ramsue, L., Miller, C., Puche, A., & Fiskum, G. (2020). Hyperhomocysteinemia-Induced Oxidative Stress Exacerbates Cortical Traumatic Brain Injury Outcomes in Rats. *Cellular and Molecular Neurobiology*. doi: 10.1007/s10571-020-00866-7. <https://doi.org/10.1007/s10571-020-00866-7>

Tchantchou, F., Puche, A. C., Leiste, U., Fournier, W., Blanpied, T. A., & Fiskum, G. (2017). Rat Model of Brain Injury to Occupants of Vehicles Targeted by Land Mines: Mitigation by Elastomeric Frame Designs. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5401. <https://doi.org/10.1089/neu.2017.5401>

Tecuapetla, F., Matias, S., Dugue, G. P., Mainen, Z. F., & Costa, R. M. (2014). Balanced activity in basal ganglia projection pathways is critical for contraversive movements. *Nature Communications*, 5. doi: <http://www.nature.com/ncomms/2014/140708/ncomms5315/full/ncomms5315.html>

Tegelberg, S., Kopra, O., Joensuu, T., Cooper, J. D., & Lehesjoki, A. E. (2012). Early Microglial Activation Precedes Neuronal Loss in the Brain of the Cstb-/- Mouse Model of Progressive Myoclonus Epilepsy, EPM1. *Journal of Neuropathology and Experimental Neurology*, 71(1), 40. doi: 10.1016/j.jneurosci.2012.05.029.

Temel, Y., Blokland, A., & Lim, L. W. (2012). Deactivation of the parvalbumin-positive interneurons in the hippocampus after fear-like behaviour following electrical stimulation of the dorsolateral periaqueductal grey of rats. *Behavioural Brain Research*, (0). doi: 10.1016/j.bbr.2012.05.029. <http://www.sciencedirect.com/science/article/pii/S0166432812003671>

Templin, T., & Simmons, A. M. (2005). Cellular and spatial changes in the anuran superior olive across metamorphosis. *Hearing Research*, 207, 87-98. doi: 10.1016/j.jneurosci.2012.05.029.

Tendilla-Beltrán, H., Meneses-Prado, S., Antonio Vázquez-Roque, R., Tapia-Rodríguez, M., Judith Vázquez-Hernández, A., Coatl-Cuaya, H., . . . Flores, G. (2019). Risperidone ameliorates prefrontal cortex neural atrophy and oxidative/nitrosative stress in brain and peripheral blood of rats with neonatal ventral hippocampus lesion. *The Journal of Neuroscience*, 1249- 1219. doi: 10.1523/jneurosci.1249-19.2019. <http://www.jneurosci.org/content/early/2019/09/11/JNEUROSCI.1249-19.2019>

Tenkova, T., Young, C., Dikranian, K., Labruyere, J., & Olney, J. W. (2003). Ethanol-induced apoptosis in the developing visual system during synaptogenesis. *Investigative Ophthalmology and Visual Science*, 44(7), 2809-2809. doi: 10.1016/j.jneurosci.2012.05.029.

Teo, J. D., Morris, M. J., & Jones, N. M. (2016). Maternal obesity increases inflammation and exacerbates damage following neonatal hypoxic-ischaemic brain injury in rats. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2016.10.010>. <http://www.sciencedirect.com/science/article/pii/S0889159116304731>

Teo, R. T. Y., Ferrari Bardile, C., Tay, Y. L., Yusof, N. A. B. M., Kreidy, C. A., Tan, L. J., & Pouladi, M. A. (2019). Impaired Remyelination in a Mouse Model of Huntington Disease. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-019-1579-1. <https://doi.org/10.1007/s12035-019-1579-1>

Tereshchenko, J., Maddalena, A., Bähr, M., & Kügler, S. (2014). Pharmacologically controlled, discontinuous GDNF gene therapy restores motor function in a rat model of Parkinson's disease. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.01.009>.
<http://www.sciencedirect.com/science/article/pii/S0969996114000230>

Tervonen, T. A., Louhivuori, V., Sun, X., Hokkanen, M. E., Kratochwil, C. F., Zebryk, P., ... Castrén, M. L. (2009). Aberrant differentiation of glutamatergic cells in neocortex of mouse model for fragile X syndrome. *Neurobiology of Disease*, 33(2), 250-259. doi.

Terzi, M. Y., Casalis, P., Lang, V., Zille, M., Bruendl, E., Stoerr, E.-M., ... Piña, A. L. (2014). Effects of pigment epithelium derived factor on traumatic brain injury. *Restorative Neurology and Neuroscience*. doi.
<http://iospress.metapress.com/content/n0970q1p22w31845/>

Tewarie, R. D. S. N., Hurtado, A., Ritfeld, G. J., Rahiem, S. T., Wendell, D. F., Barroso, M. M. S., ... Oudega, M. (2009). Bone marrow stromal cells elicit tissue sparing after acute but not delayed transplantation into the contused adult rat thoracic spinal cord. *Journal of Neurotrauma*, 26(12), 2313-2322. doi.

Thakur, P., Breger, L. S., Lundblad, M., Wan, O. W., Mattsson, B., Luk, K. C., ... Björklund, A. (2017). Modeling Parkinson's disease pathology by combination of fibril seeds and α -synuclein overexpression in the rat brain. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1710442114.

<http://www.pnas.org/content/early/2017/09/11/1710442114.abstract>

Thallmair, M., Ray, J., Stallcup, W. B., & Gage, F. H. (2006). Functional and morphological effects of NG2 proteoglycan deletion on hippocampal neurogenesis. *Experimental Neurology*, 202(1), 167-178. doi.

Thannickal, T. C., John, J., Shan, L., Swaab, D. F., Wu, M.-F., Ramanathan, L., ... Siegel, J. M. (2018). Opiates increase the number of hypocretin-producing cells in human and mouse brain and reverse cataplexy in a mouse model of narcolepsy. [10.1126/scitranslmed.aao4953]. *Science translational medicine*, 10(447).

doi: <http://stm.sciencemag.org/content/10/447/eaao4953.abstract>

Thannickal, T. C., Lai, Y.-Y., & Siegel, J. M. (2007). Hypocretin (orexin) cell loss in Parkinson's disease. *Brain*, 130(6), 1586-1595. doi:

10.1093/brain/awm097. <http://brain.oxfordjournals.org/cgi/content/abstract/130/6/1586>

Thannickal, T. C., Moore, R. Y., Nienhuis, R., Ramanathan, L., Gulyani, S., Aldrich, M., ... Siegel, J. M. (2000). Reduced Number of Hypocretin Neurons in Human Narcolepsy. *Neuron*, 27, 469-474. doi.

Thannickal, T. C., Nienhuis, R., & Siegel, J. M. (2009). Localized loss of hypocretin (orexin) cells in narcolepsy without cataplexy. *Sleep*, 32(8), 993-993. doi.

Thannickal, T. C., Siegel, J. M., Nienhuis, R., & Moore, R. Y. (2003). Pattern of Hypocretin (Orexin) Soma and Axon Loss, and Gliosis, in Human Narcolepsy. *Brain Pathology*, 13(3), 340-

351. doi: doi:10.1111/j.1750-3639.2003.tb00033.x.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1750-3639.2003.tb00033...>

Theodore, S., Cao, S., McLean, P. J., & Standaert, D. G. (2008). Targeted overexpression of human alpha-synuclein triggers microglial activation and an adaptive immune response in a mouse model of Parkinson disease. *Journal of Neuropathology and Experimental Neurology*, 67(12), 1149-1149. doi.

Theodorou, M., Rauser, B., Zhang, J., Prakash, N., Wurst, W., & Schick, J. A. (2015). Limitations of in vivo reprogramming to dopaminergic neurons via a tricistronic strategy. *Human Gene Therapy Methods*. doi: 10.1089/hgtb.2014.152.
<http://dx.doi.org/10.1089/hgtb.2014.152>

Theofilas, P., Ehrenberg, A. J., Dunlop, S., Alho, A. T., Nguy, A., Paraizo Leite, R. E., . . . Grinberg, L. T. (2016). Locus coeruleus volume and cell population changes during Alzheimer's disease progression: A stereological study in human postmortem brains with potential implication for early-stage biomarker discovery. *Alzheimer's & Dementia*. doi: <http://dx.doi.org/10.1016/j.jalz.2016.06.2362>.
<http://www.sciencedirect.com/science/article/pii/S1552526016326796>

Theofilas, P., Polichiso, L., Wang, X., Lima, L. C., Alho, A. T. L., Leite, R. E. P., . . . Grinberg, L. T. (2014). A novel approach for integrative studies on neurodegenerative diseases in human brains. *Journal of Neuroscience Methods*, (0). doi: <http://dx.doi.org/10.1016/j.jneumeth.2014.01.030>.
<http://www.sciencedirect.com/science/article/pii/S0165027014000417>

Theus, M. H., Brickler, T., Meza, A. L., Coutermarsh-Ott, S., Hazy, A., Gris, D., & Allen, I. C. (2017). Loss of NLRX1 Exacerbates Neural Tissue Damage and NF- κ B Signaling following Brain Injury. *The Journal of Immunology*, ji1700251. doi: <http://www.jimmunol.org/content/early/2017/10/07/jimmunol.1700251>

Theus, M. H., Ricard, J., Bethea, J. R., & Liebl, D. J. (2010). EphB3 limits the expansion of neural progenitor cells in the subventricular zone by regulating p53 during homeostasis and following traumatic brain injury. *Stem Cells*, 28(7), 1231-1242. doi.

Theus, M. H., Wei, L., Cui, L., Francis, K., Hu, X., Keogh, C., & Yu, S. P. (2008). In vitro hypoxic preconditioning of embryonic stem cells as a strategy of promoting cell survival and functional benefits after transplantation into the ischemic rat brain. *Experimental Neurology*, 210(2), 656-670. doi.

Thévenot, E., Jordão, J. F., O'Reilly, M. A., Markham, K., Ying-Qi, L., Foust, K., . . . Aubert, I. (2012). Targeted delivery of scAAV9 to the brain using MRI-guided focused ultrasound. *Human Gene Therapy*, (ja). doi.

Thind, K. K., Yamawaki, R., Phanwar, I., Zhang, G., Wen, X., & Buckmaster, P. S. (2010). Initial loss but later excess of GABAergic synapses with dentate granule cells in a rat model of temporal lobe epilepsy. *Journal of Comparative Neurology*, 518(5), 647-667. doi.

Thinyane, K., Baier, P. C., Schindehutte, J., Mansouri, A., Paulus, W., Trenkwalder, C., . . . Fuchs, E. (2005). Fate of pre-differentiated mouse embryonic stem cells transplanted in unilaterally 6-hydroxydopamine lesioned rats: Histological characterization of the grafted cells. *Brain Research*, 1045(1-2), 80-87. doi.

Thiruchelvam, M., McCormack, A., Richfield, E. K., Baggs, R. B., Tank, A. W., Di Monte, D. A., & Cory-Slechta, D. A. (2003). Age-related irreversible progressive nigrostriatal dopaminergic neurotoxicity in the paraquat and maneb model of the Parkinson's disease phenotype.

European Journal of Neuroscience, 18(3), 589-600. doi: doi:10.1046/j.1460-9568.2003.02781.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02781.x>

Thiruchelvam, M., Prokopenko, O., Cory-Slechta, D. A., Richfield, E. K., Buckley, B., & Mirochnitchenko, O. (2005). Overexpression of Superoxide Dismutase or Glutathione Peroxidase Protects against the Paraquat + Maneb-induced Parkinson Disease Phenotype. Journal of Biological Chemistry, 280(23), 22530-22539. doi:

10.1074/jbc.M500417200. <http://www.jbc.org/cgi/content/abstract/280/23/22530>

Thomas, B., Banerjee, R., Starkova, N. N., Zhang, S. F., Calingasan, N. Y., Yang, L., . . . others. (2011). Mitochondrial permeability transition pore component cyclophilin D distinguishes nigrostriatal dopaminergic death paradigms in the MPTP mouse model of Parkinson's disease. Antioxidants and redox signaling. doi.

Thomas, B., Mandir, A. S., West, N., Liu, Y., Andrabi, S. A., Stirling, W., . . . Lee, M. K. (2011). Resistance to MPTP-Neurotoxicity in α -Synuclein Knockout Mice Is Complemented by Human α -Synuclein and Associated with Increased β

-Synuclein and Akt Activation. PLoS ONE, 6(1), e16706-e16706. doi.

Thomas, B., von Coelln, R., Mandir, A. S., Trinkaus, D. B., Farah, M. H., Leong Lim, K., . . . Dawson, T. M. (2007). MPTP and DSP-4 susceptibility of substantia nigra and locus coeruleus catecholaminergic neurons in mice is independent of parkin activity. Neurobiology of Disease, 26(2), 312-322. doi.

Thomas, R. M., Hotsenpiller, G., & Peterson, D. A. (2007). Acute Psychosocial Stress Reduces Cell Survival in Adult Hippocampal Neurogenesis without Altering Proliferation. Journal of Neuroscience, 27(11), 2734-2743. doi: 10.1523/jneurosci.3849-06.2007. <http://www.jneurosci.org/cgi/content/abstract/27/11/2734>

Thomas, R. M., Urban, J. H., & Peterson, D. A. (2006). Acute exposure to predator odor elicits a robust increase in corticosterone and a decrease in activity without altering proliferation in the adult rat hippocampus. Experimental Neurology, 201(2), 308-315. doi.

Thomasy, D. H. K., & Opp, P. M. R. (2018). Hypocretin mediates sleep and wake disturbances in a mouse model of traumatic brain injury. Journal of Neurotrauma, 0(ja), null. doi: 10.1089/neu.2018.5810.

<https://www.liebertpub.com/doi/abs/10.1089/neu.2018.5810>

Thomasy, H. E., Febinger, H. Y., Ringgold, K. M., Gemma, C., & Opp, M. R. (2016). Hypocretinergic and cholinergic contributions to sleep-wake disturbances in a mouse model of traumatic brain injury. Neurobiology of Sleep and Circadian Rhythms.

doi: <http://dx.doi.org/10.1016/j.nbscr.2016.03.001>.

<http://www.sciencedirect.com/science/article/pii/S2451994416300013>

Thome, A. D., Harms, A. S., Volpicelli-Daley, L. A., & Standaert, D. G. (2016). microRNA-155 Regulates Alpha-Synuclein-Induced Inflammatory Responses in Models of Parkinson Disease. *The Journal of Neuroscience*, 36(8), 2383-2390. doi: <http://www.jneurosci.org/content/36/8/2383.short#>

Thome, A. D., Standaert, D. G., & Harms, A. S. (2015). Fractalkine Signaling Regulates the Inflammatory Response in an α -Synuclein Model of Parkinson Disease. *Plos one*, 10(10), e0140566. doi: 10.1371/journal.pone.0140566. <http://dx.doi.org/10.1371%2Fjournal.pone.0140566>

Thompson, V. B., Koprach, J. B., Chen, E. Y., Kordower, J. H., Terpstra, B., & Lipton, J. W. (2011). Prenatal exposure to MDMA alters noradrenergic neurodevelopment in the rat. *Neurotoxicology and Teratology*. doi.

Thompson, W., Karpus, W., & Van Eldik, L. (2008). MCP-1-deficient mice show reduced neuroinflammatory responses and increased peripheral inflammatory responses to peripheral endotoxin insult. *Journal of Neuroinflammation*, 5(1), 35. doi: <http://www.jneuroinflammation.com/content/5/1/35>

Thomsen, G. M., Le Belle, J. E., Harnisch, J. A., Mc Donald, W. S., Hovda, D. A., Sofroniew, M. V., ... Harris, N. G. (2014). Traumatic brain injury reveals novel cell lineage relationships within the subventricular zone. *Stem Cell Research*, 13(1), 48-60. doi: <http://dx.doi.org/10.1016/j.scr.2014.04.013>. <http://www.sciencedirect.com/science/article/pii/S187350611400049X>

Threlkeld, S. W., Gaudet, C. M., La Rue, M. E., Dugas, E., Hill, C. A., Lim, Y.-P., & Stonestreet, B. S. (2014). Effects of inter-alpha inhibitor proteins on neonatal brain injury: Age, task and treatment dependent neurobehavioral outcomes. *Experimental Neurology*, 261(0), 424-433. doi: <http://dx.doi.org/10.1016/j.expneurol.2014.07.012>. <http://www.sciencedirect.com/science/article/pii/S0014488614002404>

Thuret, S., Thallmair, M., Horky, L. L., & Gage, F. H. (2012). Enhanced Functional Recovery in MRL/MpJ Mice after Spinal Cord Dorsal Hemisection. *PLoS ONE*, 7(2), e30904-e30904. doi.

Thuret, S., Toni, N., Aigner, S., Yeo, G. W., & Gage, F. H. (2009). Hippocampus-dependent learning is associated with adult neurogenesis in MRL/MpJ mice. *Hippocampus*, 19(7), 658- 669. doi.

Tian, R., Hou, Z., Hao, S., Wu, W., Mao, X., Tao, X., ... Liu, B. (2016). Hydrogen-rich water attenuates brain damage and inflammation after traumatic brain injury in rats. *Brain Research*. doi: <http://dx.doi.org/10.1016/j.brainres.2016.01.029>. <http://www.sciencedirect.com/science/article/pii/S0006899316300063>

Tien, D., Ohara, P. T., Larson, A. A., & Jasmin, L. (2003). Vagal afferents are necessary for the establishment but not the maintenance of kainic acid-induced hyperalgesia in mice. *Pain*, 102(1), 39-49. doi.

Tien, L.-T., Lee, Y.-J., Pang, Y., Lu, S., Lee, J. W., Tseng, C.-H., . . . Fan, L.-W. (2017). Neuroprotective Effects of Intranasal IGF-1 against Neonatal Lipopolysaccharide-Induced Neurobehavioral Deficits and Neuronal Inflammation in the Substantia Nigra and Locus Coeruleus of Juvenile Rats. *Developmental Neuroscience*. doi: <https://www.karger.com/Article/Abstract/477898>

Tiernan, C. T., Mufson, E. J., Kanaan, N. M., & Counts, S. E. (2018). Tau Oligomer Pathology in Nucleus Basalis Neurons During the Progression of Alzheimer Disease. *Journal of Neuropathology and Experimental Neurology*, *nlx120*-*nlx120*. doi: 10.1093/jnen/nlx120. <http://dx.doi.org/10.1093/jnen/nlx120>

Tilley, E., Whyte, S., Nichols, S., Powell, Z., Chan, F., Cunningham, M. O., . . . Davies, C. H. (2019). The role of astrocytes in seizure generation: insights from a novel in vitro seizure model based on mitochondrial dysfunction. *Brain*, *142*(2), 391-411. doi: 10.1093/brain/awy320. <https://dx.doi.org/10.1093/brain/awy320>

Timbie, C., & Barbas, H. (2014). Specialized Pathways from the Primate Amygdala to Posterior Orbitofrontal Cortex. *The Journal of Neuroscience*, *34*(24), 8106-8118. doi: <http://www.jneurosci.org/content/34/24/8106.short>

Timbie, C., & Barbas, H. (2015). Pathways for Emotions: Specializations in the Amygdalar, Mediodorsal Thalamic, and Posterior Orbitofrontal Network. *The Journal of Neuroscience*, *35*(34), 11976-11987. doi: <http://www.jneurosci.org/content/35/34/11976.short>

Tinkler, G. P., Tobin, J. R., & Voytko, M. L. (2004). Effects of two years of estrogen loss or replacement on nucleus basalis cholinergic neurons and cholinergic fibers to the dorsolateral prefrontal and inferior parietal cortex of monkeys. *Journal of Comparative Neurology*, *469*(4), 507-521. doi:

Tinnes, S., Schäfer, M. K. E., Flubacher, A., Münzner, G., Frotscher, M., & Haas, C. A. (2011). Epileptiform activity interferes with proteolytic processing of Reelin required for dentate granule cell positioning. *Faseb Journal*, *25*(3), 1002-1013. doi:

Tischfield, D. J., Saraswat, D. K., Furash, A., Fowler, S. C., Fuccillo, M. V., & Anderson, S. A. (2017). Loss of the neurodevelopmental gene *Zswim6* alters striatal morphology and motor regulation. *Neurobiology of Disease*, *103*, 174-183. doi: <https://doi.org/10.1016/j.nbd.2017.04.013>. <http://www.sciencedirect.com/science/article/pii/S0969996117300876>

Titworth, W. L., Cheng, X., Ke, Y., Deng, L., Burckardt, K. A., Pendleton, C., . . . Xu, X. M. (2009). Differential expression of sPLA2 following spinal cord injury and a functional role for sPLA2- IIa in mediating oligodendrocyte death. *Glia*, *57*(14), 1521-1537. doi:

Titworth, W. L., Onifer, S. M., Liu, N. K., & Xu, X. M. (2007). Focal phospholipases A2 group III injections induce cervical white matter injury and functional deficits with delayed recovery concomitant with Schwann cell remyelination. *Experimental Neurology*, *207*(1), 150-162. doi:

Titus, D. J., Johnstone, T., Johnson, N. H., London, S. H., Chapalamadugu, M., Hogenkamp, D., . . . Atkins, C. M. (2019). Positive allosteric modulation of the $\alpha 7$ nicotinic acetylcholine

receptor as a treatment for cognitive deficits after traumatic brain injury. Plos one, 14(10), e0223180. doi: 10.1371/journal.pone.0223180. <https://doi.org/10.1371/journal.pone.0223180>

Titus, D. J., Wilson, N. M., Alcazar, O., Calixte, D. A., Dalton Dietrich, W., Gurney, M. E., & Atkins, C. M. (2018). A Negative Allosteric Modulator of PDE4D Enhances Learning after Traumatic Brain Injury. *Neurobiology of Learning and Memory*. doi: <https://doi.org/10.1016/j.nlm.2017.12.008>.
<https://www.sciencedirect.com/science/article/pii/S1074742717302162>

Titus, D. J., Wilson, N. M., Freund, J. E., Carballosa, M. M., Sikah, K. E., Furones, C., . . . Atkins, C. M. (2016). Chronic Cognitive Dysfunction after Traumatic Brain Injury Is Improved with a Phosphodiesterase 4B Inhibitor. *The Journal of Neuroscience*, 36(27), 7095-7108. doi: <http://www.jneurosci.org/content/36/27/7095.short>

Tiwari, M., Herman, B., & Morgan, W. W. (2011). A knockout of the caspase 2 gene produces increased resistance of the nigrostriatal dopaminergic pathway to MPTP-induced toxicity Section/category: Neurological Disorders. *Experimental Neurology*. doi.

Tizabi, Y., Hauser, S. R., Tyler, K. Y., Getachew, B., Madani, R., Sharma, Y., & Manaye, K. F. (2010). Effects of nicotine on depressive-like behavior and hippocampal volume of female WKY rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 34(1), 62-69. doi.

Tobin, M. K., Musaraca, K., Disouky, A., Shetti, A., Bheri, A., Honer, W. G., . . . Lazarov, O. (2019). Human Hippocampal Neurogenesis Persists in Aged Adults and Alzheimer's Disease Patients. *Cell Stem Cell*. doi: <https://doi.org/10.1016/j.stem.2019.05.003>.
<http://www.sciencedirect.com/science/article/pii/S1934590919302073>

Todd, K. L., Baker, K. L., Eastman, M. B., Kolling, F. W., Trausch, A. G., Nelson, C. E., & Conover, J. C. (2017). EphA4 regulates neuroblast and astrocyte organization in a neurogenic niche. [10.1523/JNEUROSCI.3738-16.2017]. *The Journal of Neuroscience*. doi: <http://www.jneurosci.org/content/early/2017/03/03/JNEUROSCI.3738-16.2017...>

Tolson, K. P., Gemelli, T., Gautron, L., Elmquist, J. K., Zinn, A. R., & Kublaoui, B. M. (2010). Postnatal Sim1 Deficiency Causes Hyperphagic Obesity and Reduced Mc4r and Oxytocin Expression. *Journal of Neuroscience*, 30(10), 3803-3812. doi: 10.1523/jneurosci.5444-09.2010.
<http://www.jneurosci.org/cgi/content/abstract/30/10/3803>

Tom, C. M., Younesi, S., Meer, E., Bresee, C., Godoy, M., & Mattis, V. B. (2017). Survival of iPSC- derived grafts within the striatum of immunodeficient mice: Importance of developmental stage of both transplant and host recipient. *Experimental Neurology*. doi: <https://doi.org/10.1016/j.expneurol.2017.07.018>.
<http://www.sciencedirect.com/science/article/pii/S0014488617301929>

Tomas, D., Prijanto, A. H., Burrows, E. L., Hannan, A. J., Horne, M. K., & Aumann, T. D. (2015). Environmental Modulations of the Number of Midbrain Dopamine Neurons in Adult Mice. *JoVE (Journal of Visualized Experiments)*, (95), e52329-e52329. doi: <http://www.jove.com/video/52329/environmental-modulations-number-midbrain...>

Tomas, D., Stanic, D., Chua, H. K., White, K., Boon, W. C., & Horne, M. (2016). Restoration of the Dopamine Transporter through Cell Therapy Improves Dyskinesia in a Rat Model of Parkinson's Disease. *Plos one*, 11(4), e0153424. doi: 10.1371/journal.pone.0153424. <http://dx.doi.org/10.1371%2Fjournal.pone.0153424>

Tomori, Z., Krekule, I., & Kubínová, L. (2001). DISECTOR program for unbiased estimation of particle number, numerical density and mean volume. *Image Analytical Stereology*, 20, 119-130. doi.

Ton, S. T. (2017). *The Effects of Alcohol and Traumatic Brain Injury on Neural Stem Cell Responses*. Loyola University Chicago.

Ton, S. T., Tsai, S.-Y., Vaagenes, I. C., Glavin, K., Wu, J., Hsu, J., . . . Kartje, G. L. (2019). Subventricular zone neural precursor cell responses after traumatic brain injury and binge alcohol in male rats. *Journal of Neuroscience Research*, 0(0). doi: doi:10.1002/jnr.24382. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jnr.24382>

Tono-Okada, K., Okada, Y., Masuda, M., Hoshi, A., Akatsuka, A., Teramoto, A., . . . Tamaki, T. (2010). Micro 3D Culture System using Hyaluronan-Collagen Capsule for Skeletal Muscle- Derived Stem Cells. *Open Tissue Engineering and Regenerative Medicine Journal*, 3, 18-27. doi.

Toossi, H., del Cid-Pellitero, E., & Jones, B. E. (2016). GABA Receptors on Orexin and Melanin- Concentrating Hormone Neurons Are Differentially Homeostatically Regulated Following Sleep Deprivation. [10.1523/ENEURO.0077-16.2016]. *eneuro*, 3(3). doi. <http://eneuro.org/content/3/3/ENEURO.0077-16.2016.abstract>

Toossi, H., Del Cid-Pellitero, E., & Jones, B. E. (2017). Homeostatic regulation through GABA and acetylcholine muscarinic receptors of motor trigeminal neurons following sleep deprivation. [journal article]. *Brain Structure and Function*, 1-16. doi: 10.1007/s00429-017- 1392-4. <http://dx.doi.org/10.1007/s00429-017-1392-4>

Toossi, H., Del Cid-Pellitero, E., Stroh, T., & Jones, B. E. (2012). Somatostatin varicosities contain the vesicular GABA transporter and contact orexin neurons in the hypothalamus. *European Journal of Neuroscience*, no-no. doi: 10.1111/j.1460-9568.2012.08253.x. <http://dx.doi.org/10.1111/j.1460-9568.2012.08253.x>

Torner, L., Karg, S., Blume, A., Kandasamy, M., Kuhn, H.-G., Winkler, J., . . . Neumann, I. D. (2009). Prolactin Prevents Chronic Stress-Induced Decrease of Adult Hippocampal Neurogenesis and Promotes Neuronal Fate. *Journal of Neuroscience*, 29(6), 1826-1833. doi: 10.1523/jneurosci.3178-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/6/1826>

Torre-Muruzabal, T., Devoght, J., Van den Haute, C., Brône, B., Van der Perren, A., & Baekelandt, V. (2019). Chronic nigral neuromodulation aggravates behavioral deficits and synaptic changes in an α -synuclein based rat model for Parkinson's disease. *Acta Neuropathologica Communications*, 7(1), 160. doi: 10.1186/s40478-019-0814-3. <https://doi.org/10.1186/s40478-019-0814-3>

Torres, L. B., Araujo, B. H. S., Marruaz, K. S., de Souza, J. S., Sousa, B. S., Silva, S. G. d., . . . Cavalleiro, E. A. (2014). Parvalbumin expression and distribution in the hippocampal formation of *Cebus apella*. *American Journal of Primatology*, n/a-n/a. doi: 10.1002/ajp.22366. <http://dx.doi.org/10.1002/ajp.22366>

Torres-Berrio, A., Lopez, J. P., Bagot, R. C., Nouel, D., Dal-Bo, G., Cuesta, S., . . . Flores, C. (2016). DCC confers susceptibility to depression-like behaviors in humans and mice and is regulated by miR-218. *Biological Psychiatry*. doi: <http://dx.doi.org/10.1016/j.biopsych.2016.08.017>. <http://www.sciencedirect.com/science/article/pii/S0006322316327147>

Torres-Platas, S. G., Comeau, S., Rachalski, A., Dal Bo, G., Cruceanu, C., Turecki, G., . . . Mechawar, N. (2014). Morphometric characterization of microglial phenotypes in human cerebral cortex. *Journal of neuroinflammation*, 11, 12. doi: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3906907/>

Torres-Platas, S. G., Cruceanu, C., Chen, G. G., Turecki, G., & Mechawar, N. (2014). Evidence for increased microglial priming and macrophage recruitment in the dorsal anterior cingulate white matter of depressed suicides. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2014.05.007>. <http://www.sciencedirect.com/science/article/pii/S0889159114001299>

Torul, D., Bereket, M. C., Onger, M. E., & Altun, G. (2018). Comparison of the Regenerative Effects of Platelet Rich Fibrin and Plasma Rich in Growth Factors on Injured Peripheral Nerve: An Experimental Study. *Journal of Oral and Maxillofacial Surgery*. doi: <https://doi.org/10.1016/j.joms.2018.04.012>. <https://www.sciencedirect.com/science/article/pii/S0278239118303768>

Totterdell, S., Lau, Y. S., Petroske, E., Callen, S., & Meredith, G. E. (2002). Progression of Neurodegeneration in a New Mouse Model of Parkinson's Disease. *Advances in Behavioral Biology*, 52, 465-474. doi.

Touitou, V., Johnson, M. A., Guo, Y., Miller, N. R., & Bernstein, S. L. (2013). Sustained Neuroprotection From a Single Intravitreal Injection of PGJ2 in a Rodent Model of Anterior Ischemic Optic Neuropathy. *Investigative Ophthalmology and Visual Science*. doi: 10.1167/iov.13-12055. <http://www.iovs.org/content/early/2013/10/07/iov.13-12055.abstract>

Tran, H. T., LaFerla, F. M., Holtzman, D. M., & Brody, D. L. (2011). Controlled Cortical Impact Traumatic Brain Injury in 3xTg-AD Mice Causes Acute Intra-Axonal Amyloid- β Accumulation and Independently Accelerates the Development of Tau Abnormalities. *Journal of Neuroscience*, 31(26), 9513-9525. doi: 10.1523/jneurosci.0858-11.2011. <http://www.jneurosci.org/content/31/26/9513.abstract>

Tran, H. T., Sanchez, L., & Brody, D. L. (2012). Inhibition of JNK by a Peptide Inhibitor Reduces Traumatic Brain Injury-Induced Tauopathy in Transgenic Mice. *Journal of Neuropathology and Experimental Neurology*, 71(2), 116-116. doi.

Tran, H. T., Sanchez, L., Esparza, T. J., & Brody, D. L. (2011). Distinct Temporal and Anatomical Distributions of Amyloid- β and Tau Abnormalities following Controlled Cortical Impact in Transgenic Mice. *PLoS ONE*, 6(9), e25475-e25475. doi.

Traub, R. J., Cao, D.-Y., Karpowicz, J., Pandya, S., Ji, Y., Dorsey, S. G., & Dessem, D. (2014). A clinically relevant animal model of TMD and IBS co-morbidity. *The Journal of Pain*, (0). doi: <http://dx.doi.org/10.1016/j.jpain.2014.06.008>. <http://www.sciencedirect.com/science/article/pii/S1526590014007913>

Traverson, M., Heiden, M., Stanciu, L. A., Nauman, E. A., Jones-Hall, Y., & Breur, G. J. (2018). In Vivo Evaluation of Biodegradability and Biocompatibility of Fe₃₀Mn Alloy. *Vet Comp Orthop Traumatol*, 31(01), 010-016. doi: 10.3415/vcot-17-06-0080.

Trawitzki, B. F., Lilge, L., de Figueiredo, F. A. T., Macedo, A. P., & Issa, J. P. M. (2017). Low- intensity laser therapy efficacy evaluation in mice subjected to acute arthritis condition. *Journal of Photochemistry and Photobiology B: Biology*, 174, 126-132. doi: <http://dx.doi.org/10.1016/j.jphotobiol.2017.07.028>. <http://www.sciencedirect.com/science/article/pii/S101134416308545>

Tremblay, M. E., Saint-Pierre, M., Bourhis, E., Lévesque, D., Rouillard, C., & Cicchetti, F. (2006). Neuroprotective effects of cystamine in aged parkinsonian mice. *Neurobiology of Aging*, 27(6), 862-870. doi.

Tremblay, P., Beaudet, M.-J., Tremblay, E., Rueda, N., Thomas, T., & Vallières, L. (2011). Matrix metalloproteinase 2 attenuates brain tumour growth, while promoting macrophage recruitment and vascular repair. *Journal of Pathology*, 224(2), 222-233. doi: 10.1002/path.2854. <http://dx.doi.org/10.1002/path.2854>

Trévia, N., Almeida, I. N. F., Oliveira, P. S., Warwick, L. V., Marques, V., Santos, D. C., . . . Picanço-Diniz, C. W. (2011). Enriched environment contributes to recovery of visual acuity and increases perineuronal nets in monocular-deprived animals. *Psychology and Neuroscience*, 4(1), 49-56. doi.

Trigueiros-Cunha, N., Leão, P., Renard, N., Tavares, M. A., & Eybalin, M. (2006). Prenatal cocaine exposure accelerates morphological changes and transient expression of tyrosine hydroxylase in the cochlea of developing rats. *Brain Research*, 1086(1), 55-64. doi.

Trinh, A.-T., Harvey-Girard, E., Teixeira, F., & Maler, L. (2015). Cryptic laminar and columnar organization in the dorsolateral pallium of a weakly electric fish. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23874. <http://dx.doi.org/10.1002/cne.23874>

Tripanichkul, W., Stanic, D., Drago, J., Finkelstein, D. I., & Horne, M. K. (2003). D₂ Dopamine receptor blockade results in sprouting of DA axons in the intact animal but prevents sprouting following nigral lesions. *European Journal of Neuroscience*, 17(5), 1033-1045. doi: doi:10.1046/j.1460-9568.2003.02547.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2003.02547.x>

Tripathi, S. J., Chakraborty, S., Srikumar, B. N., Raju, T. R., & Shankaranarayana Rao, B. S. (2018). Inactivation of Basolateral Amygdala Prevents Stress-Induced Astroglial Loss in the

Prefrontal Cortex. [journal article]. Molecular Neurobiology. doi: 10.1007/s12035-018-1057-1. <https://doi.org/10.1007/s12035-018-1057-1>

Tripathi, S. J., Chakraborty, S., Srikumar, B. N., Raju, T. R., & Shankaranarayana Rao, B. S. (2018). Prevention of chronic immobilization stress-induced enhanced expression of glucocorticoid receptors in the prefrontal cortex by inactivation of basolateral amygdala. *Journal of Chemical Neuroanatomy*. doi: <https://doi.org/10.1016/j.jchemneu.2017.12.006>. <https://www.sciencedirect.com/science/article/pii/S0891061817301801>

Tripathi, S. J., Chakraborty, S., Srikumar, B. N., Raju, T. R., & Shankaranarayana Rao, B. S. (2019). Basolateral amygdalar inactivation blocks chronic stress-induced lamina-specific reduction in prefrontal cortex volume and associated anxiety-like behavior. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 88, 194-207. doi: <https://doi.org/10.1016/j.pnpbp.2018.07.016>. <https://www.sciencedirect.com/science/article/pii/S0278584618301933>

Trivedi, A., Tercovich, K. G., Casbon, A. J., Raber, J., Lowell, C., & Noble-Haeusslein, L. J. (2021). Neutrophil-specific deletion of Syk results in recruitment-independent stabilization of the barrier and a long-term improvement in cognitive function after traumatic injury to the developing brain. *Neurobiology of Disease*, 157, 105430. doi: <https://doi.org/10.1016/j.nbd.2021.105430>. <https://www.sciencedirect.com/science/article/pii/S0969996121001790>

Tronel, S., Lemaire, V., Charrier, V., Montaron, M.-F., & Abrous, D. (2014). Influence of ontogenetic age on the role of dentate granule neurons. *Brain Structure and Function*, 1-17. doi: 10.1007/s00429-014-0715-y. <http://dx.doi.org/10.1007/s00429-014-0715-y>

Trouche, S., Koren, V., Doig, N. M., Ellender, T. J., El-Gaby, M., Lopes-dos-Santos, V., . . . Dupret, D. (2019). A Hippocampus-Accumbens Tripartite Neuronal Motif Guides Appetitive Memory in Space. *Cell*. doi: <https://doi.org/10.1016/j.cell.2018.12.037>. <http://www.sciencedirect.com/science/article/pii/S0092867418316519>

Trouche, S., Perestenko, P. V., van de Ven, G. M., Bratley, C. T., McNamara, C. G., Campo-Urriza, N., . . . Dupret, D. (2016). Recoding a cocaine-place memory engram to a neutral engram in the hippocampus. [Brief Communication]. *Nature Neuroscience*, advance online publication. doi: 10.1038/nn.4250
<http://www.nature.com/neuro/journal/vaop/ncurrent/abs/nn.4250.html#suppl.....http://dx.doi.org/10.1038/nn.4250>

Truitt, W. A., Johnson, P. L., Dietrich, A. D., Fitz, S. D., & Shekhar, A. (2009). Anxiety-like behavior is modulated by a discrete subpopulation of interneurons in the basolateral amygdala. *Neuroscience*, 160(2), 284-294. doi.

Truong, D. T., Bonet, A., Rendall, A. R., Rosen, G. D., & Fitch, R. H. (2013). A Behavioral Evaluation of Sex Differences in a Mouse Model of Severe Neuronal Migration Disorder. *Plos*

one, 8(g), e73144. doi:

10.1371/journal.pone.0073144. <http://dx.doi.org/10.1371%2Fjournal.pone.0073144>

Truong, D. T., Rendall, A. R., Rosen, G. D., & Fitch, R. H. (2014). Morphometric changes in subcortical structures of the central auditory pathway in mice with bilateral nodular heterotopia. *Behavioural Brain Research*, (0).

doi: <http://dx.doi.org/10.1016/j.bbr.2014.12.046>.

<http://www.sciencedirect.com/science/article/pii/S0166432814008493>

Truong, D. T., Venna, V. R., McCullough, L. D., & Fitch, R. H. (2012). Deficits in auditory, cognitive, and motor processing following reversible middle cerebral artery occlusion in mice. *Experimental Neurology*, (0). doi:

10.1016/j.expneurol.2012.08.011.

<http://www.sciencedirect.com/science/article/pii/S0014488612003202>

Trutzer, I. M., García-Cabezas, M. Á., & Zikopoulos, B. (2019). Postnatal development and maturation of layer 1 in the lateral prefrontal cortex and its disruption in autism. [journal article]. *Acta Neuropathologica Communications*, 7(1), 40. doi:

10.1186/s40478-019-0684-

8. <https://doi.org/10.1186/s40478-019-0684-8>

Trzeciecka, A., Paterno, J. J., Toropainen, E., Koskela, A., Podracka, L., Korhonen, E., . . . Smedowski, A. (2016). Long-term topical application of preservative-free prostaglandin analogues evokes macrophage infiltration in the ocular adnexa. *European Journal of Pharmacology*, 788, 12-20.

doi: <http://dx.doi.org/10.1016/j.ejphar.2016.06.014>. <http://www.sciencedirect.com/science/article/pii/S0014299916303727>

Tsai, E., Alkherayf, F., Olariu, E., Berthiaume, A., Nguyen, T. B., Santos, M. P. D., . . . Cameron, I. (2008). Clinical Value of Tractography in the Spinal Cord. *Journal of Neurotrauma*, 25, 854- 935. doi.

Tsai, J.-L., Josepriya, T. A., Hu, K.-Y., Yan, H.-Y., Shen, S.-T., & Song, Y.-L. (2013). Grouper interleukin-12, linked by an ancient disulfide bond architecture, exhibits cytokine and chemokine activities. *Fish & Shellfish Immunology*, (0).

doi: <http://dx.doi.org/10.1016/j.fsi.2013.10.009>.

<http://www.sciencedirect.com/science/article/pii/S1050464813008061>

Tsai, M. H., Wei, I., Jiang-Shieh, Y. F., Jou, M. J., Ko, M. H., Chen, H. M., . . . others. (2008). Expression of protein gene product 9.5, tyrosine hydroxylase and serotonin in the pineal gland of rats with streptozotocin-induced diabetes. *Neuroscience Research*, 60(3), 233-243. doi.

Tsai, M.-S., Lee, M.-L., Chang, C.-Y., Fan, H.-H., Yu, I. S., Chen, Y.-T., . . . Lin, S.-W. (2015). Functional and structural deficits of the dentate gyrus network coincide with emerging spontaneous seizures in an Scn1a mutant Dravet Syndrome model during development. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2015.02.010>.

<http://www.sciencedirect.com/science/article/pii/S0969996115000376>

Tschanz, S., Schneider, J. P., & Knudsen, L. (2013). Design-based stereology: Planning, volumetry and sampling are crucial steps for a successful study. *Annals of Anatomy - Anatomischer Anzeiger*, (0). doi: <http://dx.doi.org/10.1016/j.aanat.2013.04.011>.
<http://www.sciencedirect.com/science/article/pii/S0940960213000964>

Tschanz, S. A., Burri, P. H., & Weibel, E. R. (2011). A simple tool for stereological assessment of digital images: the STEPanizer. *Journal of Microscopy*, no-no. doi: 10.1111/j.1365-2818.2010.03481.x. <http://dx.doi.org/10.1111/j.1365-2818.2010.03481.x>

Tse, V., Xu, L., Yung, Y., Santarelli, J., Juan, D., Fabel, K., . . . Harsh, G. (2003). The temporal- spatial expression of VEGF, angiopoietins-1 and 2, and Tie-2 during tumor angiogenesis and their functional correlation with tumor neovascular architecture. *Neurological Research*, 25(7), 729-738. doi.

Tsen, A. R., Long, P. M., Driscoll, H. E., Davies, M. T., Teasdale, B. A., Penar, P. L., . . . Jaworski, D. M. (2013). Triacetin-based acetate supplementation as a chemotherapeutic adjuvant therapy in glioma. *International Journal of Cancer*, n/a-n/a. doi: 10.1002/ijc.28465. <http://dx.doi.org/10.1002/ijc.28465>

Tsenkina, Y., Ricard, J., Runko, E., Quiala- Acosta, M. M., Mier, J., & Liebl, D. J. (2015). EphB3 receptors function as dependence receptors to mediate oligodendrocyte cell death following contusive spinal cord injury. [Original Article]. *Cell Death Dis*, 6, e1922. doi: 10.1038/cddis.2015.262. <http://dx.doi.org/10.1038/cddis.2015.262>

Tsika, E., Kannan, M., Foo, C. S.-Y., Dikeman, D., Glauser, L., Gellhaar, S., . . . Moore, D. J. (2014). Conditional expression of Parkinson's disease-related R1441C LRRK2 in midbrain dopaminergic neurons of mice causes nuclear abnormalities without neurodegeneration. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.08.027>.
<http://www.sciencedirect.com/science/article/pii/S0969996114002587>

Tsika, E., Nguyen, A. P. T., Dusanochet, J., Colin, P., Schneider, B. L., & Moore, D. J. (2015). Adenoviral-mediated expression of G2019S LRRK2 induces striatal pathology in a kinase- dependent manner in a rat model of Parkinson's disease. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2015.02.019>.
<http://www.sciencedirect.com/science/article/pii/S0969996115000534>

Tsukahara, S., Tsuda, M. C., Kurihara, R., Kato, Y., Kuroda, Y., Nakata, M., . . . Ogawa, S. (2011). Effects of Aromatase or Estrogen Receptor Gene Deletion on Masculinization of the Principal Nucleus of the Bed Nucleus of the Stria Terminalis of Mice. *Neuroendocrinology*, 94(2), 137-147. doi.

Tsunemi, T., Ashe, T. D., Morrison, B. E., Soriano, K. R., Au, J., Roque, R. A. V., . . . La Spada, A. R. (2012). PGC-1 α Rescues Huntington's Disease Proteotoxicity by Preventing Oxidative Stress and Promoting TFEB Function. *Science translational medicine*, 4(142), 142ra197. doi: 10.1126/scitranslmed.3003799.
<http://stm.sciencemag.org/content/4/142/142ra97.abstract>

Tsuru-Aoyagi, K., Potts, M. B., Trivedi, A., Pfankuch, T., Raber, J., Wendland, M., . . . Noble-Haeusslein, L. J. (2009). Glutathione peroxidase activity modulates recovery in the injured immature brain. *Annals of Neurology*, 65(5), 540-549. doi.

Tucker, G. T., Casey, C., Phillips, P. J., Connor, H., Ward, J. D., & Woods, H. F. (1981). Metformin kinetics in healthy subjects and in patients with diabetes mellitus. *British Journal of Clinical Pharmacology*, 12. doi: 10.1111/j.1365-2125.1981.tb01206.x. <http://dx.doi.org/10.1111/j.1365-2125.1981.tb01206.x>

Tucker, S. M., Borchelt, D. R., & Troncoso, J. C. (2008). Limited Clearance of Pre-Existing Amyloid Plaques After Intracerebral Injection of A β Antibodies in Two Mouse Models of Alzheimer's Disease. *Journal of Neuropathology and Experimental Neurology*, 67(1), 30-30. doi.

Tug, N., Uslu, U., Cumbul, A., Eyuboglu, S., Cam, C., Karateke, A., & Yilmaz, B. (2011). Effects of the gonadotropin-releasing hormone antagonist cetorelix in the early postimplantation period on rat pregnancy. *European Journal of Obstetrics and Gynecology and Reproductive Biology*, 155(2), 166-170. doi.

Tung, L.-W., Lu, G.-L., Lee, Y.-H., Yu, L., Lee, H.-J., Leishman, E., . . . Chiou, L.-C. (2016). Orexins contribute to restraint stress-induced cocaine relapse by endocannabinoid-mediated disinhibition of dopaminergic neurons. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms12199. <http://dx.doi.org/10.1038/ncomms12199>

Tuoc, T., Dere, E., Radyushkin, K., Pham, L., Nguyen, H., Tonchev, A. B., . . . Stoykova, A. (2016). Ablation of BAF170 in Developing and Postnatal Dentate Gyrus Affects Neural Stem Cell Proliferation, Differentiation, and Learning. [journal article]. *Molecular Neurobiology*, 1-18. doi: 10.1007/s12035-016-9948-5. <http://dx.doi.org/10.1007/s12035-016-9948-5>

Turan, R. B., & Okur, A. (2012). The Variation of the Yarn Cross-Section in Fabric. *Textile Research Journal*. doi.

Turan, R. B., Okur, A., Deveci, R., & Açikel, M. (2012). Predicting the Intra-Yarn Porosity by Image Analysis Method. *Textile Research Journal*. doi.

Turcato, F., Kim, P., Barnett, A., Jin, Y., Scerba, M., Casey, A., . . . Luo, Y. (2018). Sequential combined Treatment of Pifithrin- α and Posiphen Enhances Neurogenesis and Functional Recovery After Stroke. *Cell Transplantation*, 0963689718766328. doi: 10.1177/0963689718766328. <https://doi.org/10.1177/0963689718766328>

Turegano-Lopez, M., Santuy, A., DeFelipe, J., & Merchan-Perez, A. (2019). Size, Shape, and Distribution of Multivesicular Bodies in the Juvenile Rat Somatosensory Cortex: A 3D Electron Microscopy Study. *Cerebral Cortex*. doi: 10.1093/cercor/bhz211. <https://doi.org/10.1093/cercor/bhz211>

Türer, A., Coşkun Türer, Ç., Durmuşlar, M. C., Ballı, U., & Önger, M. E. (2016). The influence of oral administration of rosuvastatin on calvarial bone healing in rats. *Journal of Cranio- Maxillofacial Surgery*.

doi: <http://dx.doi.org/10.1016/j.jcms.2016.04.021>.
<http://www.sciencedirect.com/science/article/pii/S1010518216300300>

Türkmen, E., & Pata, Y. S. (2019). Prevention of tracheal stenosis with pirfenidone after tracheotomy: An experimental study. *The Laryngoscope*, 0(0). doi: doi:10.1002/lary.27704. <https://onlinelibrary.wiley.com/doi/abs/10.1002/lary.27704>

Turner, C. P., Gutierrez, S., Liu, C., Miller, L., Chou, J., Finucane, B., . . . Phillips, A. (2012). Strategies to defeat ketamine-induced neonatal brain injury. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.02.015. <http://www.sciencedirect.com/science/article/pii/S0306452212001388>

Turner, R. C., Naser, Z. J., Bailes, J. E., Smith, D. W., Fisher, J. A., & Rosen, C. L. (2012). Effect of slosh mitigation on histologic markers of traumatic brain injury. *Journal of Neurosurgery*, 0(0), 1-9. doi: doi:10.3171/2012.8.JNS12358. <http://thejns.org/doi/abs/10.3171/2012.8.JNS12358>

Turner, R. C., Naser, Z. J., Logsdon, A. F., DiPasquale, K. H., Jackson, G. J., Robson, M. J., . . . Rosen, C. L. (2013). Modeling clinically relevant blast parameters based on scaling principles produces functional & histological deficits in rats. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.07.008>.
<http://www.sciencedirect.com/science/article/pii/S0014488613002185>

Turner, R. C., Naser, Z. J., Lucke-Wold, B. P., Logsdon, A. F., Vangilder, R. L., Matsumoto, R. R., . . . Rosen, C. L. (2017). Single low-dose lipopolysaccharide preconditioning: neuroprotective against axonal injury and modulates glial cells. [Lipopolysaccharide preconditioning, oncostatin M receptor, diffuse axonal injury, gliosis, neuroprotection]. *Neuroimmunology and Neuroinflammation*, 4(1), 6-15. doi. <http://nnjournal.net/article/view/1695>

Tuunanen, J., & Pitkänen, A. (2000). Do seizures cause neuronal damage in rat amygdala kindling? *Epilepsy Research*, 39(2), 171-176. doi.

Tyler, C. R., & Allan, A. M. (2013). Adult Hippocampal Neurogenesis and mRNA Expression are Altered by Perinatal Arsenic Exposure in Mice and Restored by Brief Exposure to Enrichment. *Plos one*, 8(9), e73720. doi: 10.1371/journal.pone.0073720. <http://dx.doi.org/10.1371%2Fjournal.pone.0073720>

Tyler, C. R., Solomon, B. R., Ulibarri, A. L., & Allan, A. M. (2014). Fluoxetine treatment ameliorates depression induced by perinatal arsenic exposure via a neurogenic mechanism. *Neurotoxicology*, 44(0), 98-109. doi: <http://dx.doi.org/10.1016/j.neuro.2014.06.006>. <http://www.sciencedirect.com/science/article/pii/S0161813X14000977>

Tyrrell, L. P., & Fernández-Juricic, E. (2017). The Hawk-Eyed Songbird: Retinal Morphology, Eye Shape, and Visual Fields of an Aerial Insectivore. *The American Naturalist*, 0(0), 000-000. doi: doi:10.1086/691404. <http://www.journals.uchicago.edu/doi/abs/10.1086/691404>

Tyrrell, L. P., Teixeira, L. B. C., Dubielzig, R. R., Pita, D., Baumhardt, P., Moore, B. A., & Fernández-Juricic, E. (2019). A novel cellular structure in the retina of insectivorous birds.

Scientific Reports, 9(1), 15230. doi: 10.1038/s41598-019-51774-w. <https://doi.org/10.1038/s41598-019-51774-w>

Tzakis, N., Bosnic, T., Ritchie, T., Dixon, K., & Holahan, M. R. (2016). The effect of AMPA receptor blockade on spatial information acquisition, consolidation and expression in juvenile rats. *Neurobiology of Learning and Memory*, 133, 145-156. doi: <http://dx.doi.org/10.1016/j.nlm.2016.06.023>.
<http://www.sciencedirect.com/science/article/pii/S1074742716300983>

Ubeda-Bañon, I., Saiz-Sanchez, D., Flores-Cuadrado, A., Rioja-Corroto, E., Gonzalez-Rodriguez, M., Villar-Conde, S., . . . Martinez-Marcos, A. (2020). The human olfactory system in two proteinopathies: Alzheimer's and Parkinson's diseases. *Translational Neurodegeneration*, 9(1), 22. doi: 10.1186/s40035-020-00200-7. <https://doi.org/10.1186/s40035-020-00200-7>

Ubhi, K., Inglis, C., Mante, M., Patrick, C., Adame, A., Spencer, B., . . . Masliah, E. (2012). Fluoxetine ameliorates behavioral and neuropathological deficits in a transgenic model mouse of α -synucleinopathy. *Experimental Neurology*. doi.

Ubhi, K., Rockenstein, E., Doppler, E., Mante, M., Adame, A., Patrick, C., . . . others. (2009). Neurofibrillary and neurodegenerative pathology in APP-transgenic mice injected with AAV2-mutant TAU: neuroprotective effects of Cerebrolysin. *Acta Neuropathologica*, 117(6), 699-712. doi.

Ubhi, K., Rockenstein, E., Mante, M., Inglis, C., Adame, A., Patrick, C., & Masliah, E. (2010). Alpha-synuclein deficient mice are resistant to toxin-induced multiple system atrophy. *Neuroreport*, 21(6), 457-457. doi.

Ubhi, K., Rockenstein, E., Mante, M., Inglis, C., Adame, A., Patrick, C., . . . Masliah, E. (2010). Neurodegeneration in a Transgenic Mouse Model of Multiple System Atrophy Is Associated with Altered Expression of Oligodendroglial-Derived Neurotrophic Factors. *Journal of Neuroscience*, 30(18), 6236-6246. doi: 10.1523/jneurosci.0567-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/18/6236>

Üçel, U. İ., Can, Ö. D., Demir Özkay, Ü., & Ulupinar, E. (2020). Antiamnesic effects of tofisopam against scopolamine-induced cognitive impairments in rats. *Pharmacology Biochemistry and Behavior*, 190, 172858. doi: <https://doi.org/10.1016/j.pbb.2020.172858>.
<http://www.sciencedirect.com/science/article/pii/S0091305719305192>

Uchida, K., Otsuka, H., Morishita, M., Tsukahara, S., Sato, T., Sakimura, K., & Itoi, K. (2019). Female-biased sexual dimorphism of corticotropin-releasing factor neurons in the bed nucleus of the stria terminalis. [journal article]. *Biology of Sex Differences*, 10(1), 6. doi: 10.1186/s13293-019-0221-2. <https://doi.org/10.1186/s13293-019-0221-2>

Uchida, N., Chen, K., Dohse, M., Hansen, K. D., Dean, J., Buser, J. R., . . . Back, S. A. (2012). Human Neural Stem Cells Induce Functional Myelination in Mice with Severe Dysmyelination. *Science translational medicine*, 4(155), 155ra136. doi:

10.1126/scitranslmed.3004371.

<http://stm.sciencemag.org/content/4/155/155ra136.abstract>

Uddin, M., Opzao, J., Wildman, D., Sherwood, C., Hof, P., Goodman, M., & Grossman, L. (2008). Molecular evolution of the cytochrome c oxidase subunit 5A gene in primates. *BMC Evolutionary Biology*, 8(1), 8. doi: <http://www.biomedcentral.com/1471-2148/8/8>

Ueda, S., Sakakibara, S., Nakadate, K., Noda, T., Shinoda, M., & Joyce, J. N. (2005). Degeneration of dopaminergic neurons in the substantia nigra of zitter mutant rat and protection by chronic intake of vitamin E. *Neuroscience Letters*, 380(3), 252-256. doi.

Ueda, S., Sakakibara, S., & Yoshimoto, K. (2005). Effect of long-lasting serotonin depletion on environmental enrichment-induced neurogenesis in adult rat hippocampus and spatial learning. *Neuroscience*, 135(2), 395-402. doi.

Ueda, S., Yamaguchi, T., & Ehara, A. (2020). Neonatal shaking brain injury changes psychological stress-induced neuronal activity in adult male rats. *Neuroscience Letters*, 134744. doi: <https://doi.org/10.1016/j.neulet.2020.134744>. <http://www.sciencedirect.com/science/article/pii/S0304394020300148>

Ueda, S., Yoshimoto, K., Kadowaki, T., Hirata, K., & Sakakibara, S. (2010). Improved learning in microencephalic rats. *Congenital Anomalies*, 50(1), 58-63. doi.

Uhlmann, R. E., Rother, C., Rasmussen, J., Schelle, J., Bergmann, C., Ullrich Gavilanes, E. M., . . . Jucker, M. (2020). Acute targeting of pre-amyloid seeds in transgenic mice reduces Alzheimer-like pathology later in life. *Nature Neuroscience*, 23(12), 1580-1588. doi: 10.1038/s41593-020-00737-w. <https://doi.org/10.1038/s41593-020-00737-w>

Ullah, F., Asgarov, R., Venigalla, M., Liang, H., Niedermayer, G., Münch, G., & Gyengesi, E. (2020). Effects of a solid lipid curcumin particle formulation on chronic activation of microglia and astroglia in the GFAP-IL6 mouse model. *Scientific Reports*, 10(1), 2365. doi: 10.1038/s41598-020-58838-2. <https://doi.org/10.1038/s41598-020-58838-2>

Ullmann, J. F. P., Moore, B. A., Temple, S. E., Fernández-Juricic, E., & Collin, S. P. (2012). The Retinal Wholemount Technique: A Window to Understanding the Brain and Behaviour. *Brain, Behavior and Evolution*, 79(1), 26-44. doi.

Ullner, P. M., Di Nardo, A., Goldman, J. E., Schobel, S., Yang, H., Engelstad, K., . . . De Vivo, D. C. (2009). Murine Glut-1 transporter haploinsufficiency: postnatal deceleration of brain weight and reactive astrogliosis. *Neurobiology of Disease*, 36(1), 60-69. doi.

Ullrich, N., Strecker, J.-K., Minnerup, J., & Schilling, M. (2014). The temporo-spatial localization of polymorphonuclear cells related to the neurovascular unit after transient focal cerebral ischemia. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2014.08.037>. <http://www.sciencedirect.com/science/article/pii/S0006899314011123>

Ulubay, M., Yahyazadeh, A., Deniz, Ö. G., Kivrak, E. G., Altunkaynak, B. Z., Erdem, G., & Kaplan, S. (2014). Effects of prenatal 900 MHz electromagnetic field exposures on the histology of rat kidney. *International Journal of Radiation Biology*, 0(ja), 1-25. doi: [doi:10.3109/09553002.2014.950436](https://doi.org/10.3109/09553002.2014.950436).
<http://informahealthcare.com/doi/abs/10.3109/09553002.2014.950436>

Ulupinar, E., Erol, K., Ay, H., & Yucel, F. (2015). Rearing conditions differently affect the motor performance and cerebellar morphology of prenatally stressed juvenile rats. *Behavioural Brain Research*, 278(0), 235-243. doi: [http://dx.doi.org/10.1016/j.bbr.2014.10.003](https://doi.org/10.1016/j.bbr.2014.10.003).
<http://www.sciencedirect.com/science/article/pii/S0166432814006500>

Ulusoy, A., Musgrove, R., Rusconi, R., Klinkenberg, M., Helwig, M., Schneider, A., & Di Monte, D. (2015). Neuron-to-neuron α -synuclein propagation in vivo is independent of neuronal injury. *Acta Neuropathologica Communications*, 3(1), 1-13. doi: 10.1186/s40478-015-0198-y. <http://dx.doi.org/10.1186/s40478-015-0198-y>

Ulusoy, A., Phillips, R. J., Helwig, M., Klinkenberg, M., Powley, T. L., & Di Monte, D. A. (2016). Brain-to-stomach transfer of α -synuclein via vagal preganglionic projections. [journal article]. *Acta Neuropathologica*, 1-13. doi: 10.1007/s00401-016-1661-y. <http://dx.doi.org/10.1007/s00401-016-1661-y>

Ulusoy, A., Rusconi, R., Pérez-Revuelta, B. I., Musgrove, R. E., Helwig, M., Winzen-Reichert, B., & Di Monte, D. A. (2013). Caudo-rostral Brain Spreading of α -Synuclein through Vagal Connections. *EMBO Molecular Medicine*, n/a-n/a. doi: 10.1002/emmm.201302475. <http://dx.doi.org/10.1002/emmm.201302475>

Umeano, O., Wang, H., Dawson, H., Lei, B., Umeano, A., Kernagis, D., & James, M. L. (2017). Female gonadal hormone effects on microglial activation and functional outcomes in a mouse model of moderate traumatic brain injury. *World Journal of Critical Care Medicine*, 6(2), 107-115. doi: 10.5492/wjccm.v6.i2.107. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5415850/>

Unal, B., Ibanez-Sandoval, O., Shah, F., Abercrombie, E. D., & Tepper, J. M. (2011). Distribution of tyrosine hydroxylase-expressing interneurons with respect to anatomical organization of the neostriatum. *Frontiers in Systems Neuroscience*, 5. doi: 10.3389/fnins.2011.00005

Unal, B., Kara, A., Aksak, S., & Unal, D. (2010). A Stereological Assessment Method for Estimating the Surface Area of Cycloids. *The Eurasian Journal of Medicine*, 42(2), 66-73. doi: 10.31801/eurjmed.4226673

Unal, B., Shah, F., Kothari, J., & Tepper, J. (2013). Anatomical and electrophysiological changes in striatal TH interneurons after loss of the nigrostriatal dopaminergic pathway. *Brain Structure and Function*, 1-19. doi: 10.1007/s00429-013-0658-8. <http://dx.doi.org/10.1007/s00429-013-0658-8>

Unal, D., Aksak, S., Halici, Z., Sengul, O., Polat, B., Unal, B., & Halici, M. (2011). Effects of diabetes mellitus on the rat liver during the postmenopausal period. *Journal of molecular histology*, 1-15. doi: 10.1007/s00795-011-0795-1

Unal, G., Crump, M. G., Viney, T. J., Éltes, T., Katona, L., Klausberger, T., & Somogyi, P. (2018). Spatio-temporal specialization of GABAergic septo-hippocampal neurons for rhythmic network activity. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-018-1626-0. <https://doi.org/10.1007/s00429-018-1626-0>

Underwood, M. D., Kassir, S. A., Bakalian, M. J., Galfalvy, H., Mann, J. J., & Arango, V. (2011). Neuron density and serotonin receptor binding in prefrontal cortex in suicide. *International Journal of Neuropsychopharmacology*, 1(1), 1-13. doi.

Underwood, M. D., Kassir, S. A., Bakalian, M. J., Galfalvy, H., Mann, J. J., & Arango, V. (2013). Research Article Neuron density and serotonin receptor binding in prefrontal cortex in suicide. doi.

Unkrue, B., Pekcec, A., Fuest, C., Wehmeyer, A., Balda, M., Horn, A., . . . Potschka, H. (2009). Cellular localization of Y-box binding protein 1 in brain tissue of rats, macaques, and humans. *BioMed Central Neuroscience*, 10(1), 28. doi. <http://www.biomedcentral.com/1471-2202/10/28>

Unsain, N., Higgins, Julia M., Parker, Kristen N., Johnstone, Aaron D., & Barker, Philip A. (2013). XIAP Regulates Caspase Activity in Degenerating Axons. *Cell Reports*, (0). doi: <http://dx.doi.org/10.1016/j.celrep.2013.07.015>. <http://www.sciencedirect.com/science/article/pii/S2211124713003628>

Upadhyay, D., Hattiangady, B., Shetty, G. A., Zanirati, G., Kodali, M., & Shetty, A. K. (2016). Neural Stem Cell or Human Induced Pluripotent Stem Cell-Derived GABA-ergic Progenitor Cell Grafting in an Animal Model of Chronic Temporal Lobe Epilepsy *Current Protocols in Stem Cell Biology*: John Wiley & Sons, Inc.

Uppal, N., Wicinski, B., Buxbaum, J. D., Heinsen, H., Schmitz, C., & Hof, P. R. (2014). Neuropathology of the Anterior Midcingulate Cortex in Young Children With Autism. *Journal of Neuropathology and Experimental Neurology*, Publish Ahead of Print, 10.1097/NEN.0000000000000108. doi. <http://journals.lww.com/jneuropath/Fulltext/publishahead/Neuropathology...>

Upton, D., Fuller, E., Colvin, E., Walters, K., Jimenez, M., Desai, R., . . . Allan, C. (2015). Granulosa Cell-Specific Brca1 Loss Alone or Combined with Trp53 Haploinsufficiency and Transgenic FSH Expression Fails to Induce Ovarian Tumors. *Hormones and Cancer*, 1-11. doi: 10.1007/s12672-015-0222-5. <http://dx.doi.org/10.1007/s12672-015-0222-5>

Upton, D. H., Walters, K. A., Allavena, R. E., Jimenez, M., Desai, R., Handelsman, D. J., & Allan, C. M. (2016). Global or Granulosa Cell-Specific Pten Mutations in Combination with Elevated FSH Levels Fail to Cause Ovarian Tumours in Mice. [journal article]. *Hormones and Cancer*, 1-11. doi: 10.1007/s12672-016-0272-3. <http://dx.doi.org/10.1007/s12672-016-0272-3>

Urbach, A., Brueckner, J., & Witte, O. W. (2014). Cortical spreading depolarization stimulates gliogenesis in the rat entorhinal cortex. [Original Article]. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1038/jcbfm.2014.232. <http://dx.doi.org/10.1038/jcbfm.2014.232>

Urban, E., Bury, S., Barbay, H., Guggenmos, D., Dong, Y., & Nudo, R. (2012). Gene expression changes of interconnected spared cortical neurons 7 days after ischemic infarct of the primary motor cortex in the rat. *Molecular and Cellular Biochemistry*, 1-20. doi: 10.1007/s11010-012-1390-z. <http://dx.doi.org/10.1007/s11010-012-1390-z>

Uribe, V., Wong, B. K. Y., Graham, R. K., Cusack, C. L., Skotte, N. H., Pouladi, M. A., . . . Hayden, M. R. (2012). Rescue from excitotoxicity and axonal degeneration accompanied by age-dependent behavioral and neuroanatomical alterations in caspase-6-deficient mice. *Human Molecular Genetics*, dds005. doi: 10.1093/hmg/ddso05. <http://hmg.oxfordjournals.org/cgi/content/abstract/ddso05v2>

Urrea, C., Castellanos, D. A., Sagen, J., Tsoulfas, P., Bramlett, H. M., & Dietrich, W. D. (2007). Widespread cellular proliferation and focal neurogenesis after traumatic brain injury in the rat. *Restorative Neurology and Neuroscience*, 25(1), 65-76. doi.

Utagawa, A., Bramlett, H. M., Daniels, L., Lotocki, G., Dekaban, G. A., Weaver, L. C., & Dietrich, W. D. (2008). Transient blockage of the CD11d/CD18 integrin reduces contusion volume and macrophage infiltration after traumatic brain injury in rats. *Brain Research*, 1207, 155-163. doi.

Uylings, H., Arigita, E. J. S., de Vos, K., Pool, C. W., Evers, P., & Rajkowska, G. (2010). 3-D Cytoarchitectonic parcellation of human orbitofrontal cortex: Correlation with postmortem MRI. *Psychiatry Research: Neuroimaging*, 183(1), 1-20. doi.

Uzkeser, M., Sahin, H., Ozogul, B., Cayir, Y., Alper, F., & Emet, M. (2013). Defining the percentage of intra-abdominal hemorrhage in abdominal computerized tomography using stereology in patients with blunt liver injury and determining its relationship with outcomes. *Journal of Trauma and Acute Care Surgery*, 74(1), 224-229. doi: 10.1097/TA.1090b1013e318270df318270e. doi. http://journals.lww.com/jtrauma/Fulltext/2013/01000/Defining_the_percent..

Uzunoglu, E., Ilgin, C., Yuruker, S., & Grduysus, M. (2015). Radiological, stereological, and microscopic evaluation of the quality of canal fillings in oval-shaped root canals prepared with self-adjusting file. *Scanning*, n/a-n/a. doi: 10.1002/sca.21289. <http://dx.doi.org/10.1002/sca.21289>

Vadasz, C., Smiley, J. F., Figarsky, K., Saito, M., Toth, R., Gyetvai, B. M., . . . Wang, R. (2007). Mesencephalic dopamine neuron number and tyrosine hydroxylase content: genetic control and candidate genes. *Neuroscience*, 149(3), 561-572. doi.

Valko, P. O., Gavrilov, Y. V., Yamamoto, M., Finn, K., Reddy, H., Haybaeck, J., . . . Baumann, C. R. (2014). Damage to histaminergic tuberomammillary neurons and other hypothalamic neurons with traumatic brain injury. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24298. <http://dx.doi.org/10.1002/ana.24298>

Valko, P. O., Gavrilov, Y. V., Yamamoto, M., Reddy, H., Haybaeck, J., Mignot, E., . . . Scammell, T. E. (2013). Increase of histaminergic tuberomammillary neurons in narcolepsy. *Annals of Neurology*, n/a-n/a. doi: 10.1002/ana.24019. <http://dx.doi.org/10.1002/ana.24019>

Vallieres, L., Campbell, I. L., Gage, F. H., & Sawchenko, P. E. (2002). Reduced Hippocampal Neurogenesis in Adult Transgenic Mice with Chronic Astrocytic Production of Interleukin-6. *Journal of Neuroscience*, 22(2), 486-492. doi: <http://www.jneurosci.org/cgi/content/abstract/22/2/486>

Valonen, P. K., Lehtimäki, K. K., Väisänen, T. H., Kettunen, M. I., Gröhn, O. H. J., Ylä-Herttuala, S., & Kauppinen, R. A. (2004). Water diffusion in a rat glioma during ganciclovir-thymidine kinase gene therapy-induced programmed cell death in vivo: Correlation with cell density. *Journal of Magnetic Resonance Imaging*, 19(4), 389-396. doi.

Van Bokhoven, P., Oomen, C. A., Hoogendijk, W. J. G., Smit, A. B., Lucassen, P. J., & Spijker, S. (2011). Reduction in hippocampal neurogenesis after social defeat is long-lasting and responsive to late antidepressant treatment. *European Journal of Neuroscience*. doi.

Van Camp, N., Blockx, I., Verhoye, M., Casteels, C., Coun, F., Leemans, A., . . . Van der Linden, A. (2009). Diffusion tensor imaging in a rat model of Parkinson's disease after lesioning of the nigrostriatal tract. *NMR in Biomedicine*, 22(7), 697-706. doi.

Van Camp, N., Vreys, R., Van Laere, K., Lauwers, E., Beque, D., Verhoye, M., . . . others. (2010). Morphologic and functional changes in the unilateral 6-hydroxydopamine lesion rat model for Parkinson's disease discerned with μ SPECT and quantitative MRI. *Magnetic Resonance Materials in Physics, Biology and Medicine*, 23(2), 65-75. doi.

Van Dellen, A., Cordery, P. M., Spires, T. L., Blakemore, C., & Hannan, A. J. (2008). Wheel running from a juvenile age delays onset of specific motor deficits but does not alter protein aggregate density in a mouse model of Huntington's disease. *BMC Neuroscience*, 9(1), 34-34. doi.

Van den Hove, D. L. A., Leibold, N. K., Strackx, E., Martinez-Claros, M., Lesch, K. P., Steinbusch, H. W. M., . . . Prickaerts, J. (2013). Prenatal stress and the effects of subsequent exposure to chronic mild stress; interdependent effects on emotional behavior and serotonergic system markers in the rat brain. *European Neuropsychopharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.euroneuro.2013.09.006>. <http://www.sciencedirect.com/science/article/pii/S0924977X13002721>

Van der Perren, A., Macchi, F., Toelen, J., Carlon, M. S., Maris, M., de Loor, H., . . . Baekelandt, V. (2015). FK506 reduces neuroinflammation and dopaminergic neurodegeneration in an α -synuclein-based rat model for Parkinson's disease. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2015.01.014>. <http://www.sciencedirect.com/science/article/pii/S0197458015000470>

Van der Perren, A., Toelen, J., Carlon, M., Van Den Haute, C., Coun, F., Heeman, B., . . . others. (2011). Efficient and stable transduction of dopaminergic neurons in rat substantia nigra by rAAV 2/1, 2/2, 2/6.2, 2/7, 2/8 and 2/9. *Gene Therapy*, 18(5), 517-527. doi.

Van der Perren, A., Toelen, J., Casteels, C., Macchi, F., Van Rompuy, A.-S., Sarre, S., . . . Baekelandt, V. (2014). Longitudinal follow-up and characterization of a robust rat model for Parkinson's disease based on overexpression of alpha-synuclein with adeno-associated viral vectors. *Neurobiology of Aging*. doi:

10.1016/j.neurobiolaging.2014.11.015.

[http://www.neurobiologyofaging.org/article/S0197-4580\(14\)00786-6/abstract](http://www.neurobiologyofaging.org/article/S0197-4580(14)00786-6/abstract)

van Dijk, R. M., Huang, S.-h., Slomianka, L., & Amrein, I. (2016). Taxonomic separation of hippocampal networks: principal cell populations and adult neurogenesis. [Original Research]. *Frontiers in Neuroanatomy*, 10. doi: 10.3389/fnana.2016.00022.

<http://www.frontiersin.org/Journal/Abstract.aspx?s=742&name=neuroanatomy..>

van Dijk, R. M., Lazic, S. E., Slomianka, L., Wolfer, D. P., & Amrein, I. (2015). Large scale phenotyping links adult hippocampal neurogenesis to the reaction to novelty.

Hippocampus, n/a-n/a. doi: 10.1002/hipo.22548. <http://dx.doi.org/10.1002/hipo.22548>

van Hasselt, F. N., Cornelisse, S., Yuan Zhang, T., Meaney, M. J., Velzing, E. H., Krugers, H. J., & Joëls, M. (2012). Adult hippocampal glucocorticoid receptor expression and dentate synaptic plasticity correlate with maternal care received by individuals early in life. *Hippocampus*, 22(2), 255-266. doi: 10.1002/hipo.20892.

<http://dx.doi.org/10.1002/hipo.20892>

van Heusden, F., Macey-Dare, A., Gordon, J., Krajewski, R., Sharott, A., & Ellender, T. (2021). Diversity in striatal synaptic circuits arises from distinct embryonic progenitor pools in the ventral telencephalon. *Cell Reports*, 35(4), 109041.

doi: <https://doi.org/10.1016/j.celrep.2021.109041>.

<https://www.sciencedirect.com/science/article/pii/S221124721003570>

van Kann, E., Cozzi, B., Hof, P. R., & Oelschläger, H. H. (2017). Qualitative and Quantitative Analysis of Primary Neocortical Areas in Selected Mammals. *Brain, Behavior and Evolution*. doi: <https://www.karger.com/Article/Abstract/477431>

van Kooten, I. A. J., Palmen, S. J. M. C., von Cappel, P., Steinbusch, H. W. M., Korr, H., Heinsen, H., . . . Schmitz, C. (2008). Neurons in the fusiform gyrus are fewer and smaller in autism. *Brain*, 131(4), 987-999. doi:

10.1093/brain/awn033. <http://brain.oxfordjournals.org/cgi/content/abstract/131/4/987>

van Praag, H., Christie, B. R., Sejnowski, T. J., & Gage, F. H. (1999). Running enhances neurogenesis, learning, and long-term potentiation in mice. *Proceedings of the National Academy of Sciences*, 96(23), 13427-13431. doi: 10.1073/Proceedings of the National Academy of Sciences.96.23.13427. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/96/23/13427>

van Praag, H., Shubert, T., Zhao, C., & Gage, F. H. (2005). Exercise Enhances Learning and Hippocampal Neurogenesis in Aged Mice. *Journal of Neuroscience*, 25(38), 8680-8685. doi: <http://www.jneurosci.org/cgi/content/abstract/25/38/8680>

Van Raamsdonk, J., Pearson, J., Murphy, Z., Hayden, M., & Leavitt, B. (2006). Wild-type huntingtin ameliorates striatal neuronal atrophy but does not prevent other abnormalities in the YAC128 mouse model of Huntington disease. *BMC Neuroscience*, 7(1), 80-80. doi:

Van Raamsdonk, J. M., Gibson, W. T., Pearson, J., Murphy, Z., Lu, G., Leavitt, B. R., & Hayden, M. R. (2006). Body weight is modulated by levels of full-length Huntingtin. *Human Molecular*

Genetics, 15(9), 1513-1523. doi:

10.1093/hmg/ddl072. <http://hmg.oxfordjournals.org/cgi/content/abstract/15/9/1513>

Van Raamsdonk, J. M., Metzler, M., Slow, E., Pearson, J., Schwab, C., Carroll, J., . . . Hayden, M. R. (2007). Phenotypic abnormalities in the YAC128 mouse model of Huntington disease are penetrant on multiple genetic backgrounds and modulated by strain. *Neurobiology of Disease*, 26(1), 189-200. doi.

Van Raamsdonk, J. M., Murphy, Z., Selva, D. M., Hamidizadeh, R., Pearson, J., Petersén, A., . . . Leavitt, B. R. (2007). Testicular degeneration in Huntington disease. *Neurobiology of Disease*, 26(3), 512-520. doi.

Van Raamsdonk, J. M., Murphy, Z., Slow, E. J., Leavitt, B. R., & Hayden, M. R. (2005). Selective degeneration and nuclear localization of mutant huntingtin in the YAC128 mouse model of Huntington disease. *Human Molecular Genetics*, 14(24), 3823-3835. doi: 10.1093/hmg/ddi407. <http://hmg.oxfordjournals.org/cgi/content/abstract/14/24/3823>

Van Raamsdonk, J. M., Pearson, J., Bailey, C. D. C., Rogers, D. A., Johnson, G. V. W., Hayden, M. R., & Leavitt, B. R. (2005). Cystamine treatment is neuroprotective in the YAC128 mouse model of Huntington disease. *Journal of Neurochemistry*, 95(1), 210-220. doi: 10.1111/j.1471-4159.2005.03357.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03357.x>

Van Rompuy, A.-S., Oliveras-Salvá, M., Van der Perren, A., Corti, O., Van den Haute, C., & Baekelandt, V. (2015). Nigral overexpression of alpha-synuclein in the absence of parkin enhances alpha-synuclein phosphorylation but does not modulate dopaminergic neurodegeneration. *Molecular Neurodegeneration*, 10(1), 1-14. doi. <http://link.springer.com/article/10.1186/s13024-015-0017-8/fulltext.html>

Vana, L., Kanaan, N. M., Ugwu, I. C., Wu, J., Mufson, E. J., & Binder, L. I. (2011). Progression of Tau Pathology in Cholinergic Basal Forebrain Neurons in Mild Cognitive Impairment and Alzheimer's Disease. *American Journal of Pathology*. doi. <http://linkinghub.elsevier.com/retrieve/pii/S0002944011007668?showall=true>

Vandal, M., Phillip, W. J., Tournissac, M., Tremblay, C., St-Amour, I., Drouin-Ouellet, J., . . . Calon, F. (2016). Impaired thermoregulation and beneficial effects of thermoneutrality in the 3xTg-AD model of Alzheimer's disease (AD). *Neurobiology of Aging*. doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2016.03.024>. <http://www.sciencedirect.com/science/article/pii/S0197458016300082>

Vandeputte, C., Reumers, V., Aelvoet, S.-A., Thiry, I., De Swaef, S., Van Den Haute, C., . . . Baekelandt, V. (2014). Bioluminescence imaging of stroke-induced endogenous neural stem cell response. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.05.014>. <http://www.sciencedirect.com/science/article/pii/S0969996114001326>

Vannini, E., Olimpico, F., Middei, S., Ammassari-Teule, M., de Graaf, E. L., McDonnell, L., . . . Caleo, M. (2016). Electrophysiology of glioma: a Rho GTPase-activating protein reduces tumor growth and spares neuron structure and function. *Neuro-oncology*. doi:

10.1093/neuonc/now114. <http://neuro-oncology.oxfordjournals.org/content/early/2016/06/12/neuonc...>

Varela, L., Schwartz, M. L., & Horvath, T. L. (2016). Mitochondria controlled by UCP2 determine hypoxia-induced synaptic remodeling in the cortex and hippocampus. *Neurobiology of Disease*.

doi: <http://dx.doi.org/10.1016/j.nbd.2016.01.004>.

<http://www.sciencedirect.com/science/article/pii/S0969996116300031>

Vargas, D. L., Nascimbene, C., Krishnan, C., Zimmerman, A. W., & Pardo, C. A. (2005). Neuroglial activation and neuroinflammation in the brain of patients with autism. *Annals of Neurology*, 57(1), 67-81. doi.

Varodayan, F. P., Minnig, M. A., Steinman, M. S., Oleata, C. S., Riley, M. W., Sabino, V., & Roberto, M. (2019). PACAP regulation of central amygdala GABAergic synapses is altered by restraint stress. *Neuropharmacology*, 107752.

doi: <https://doi.org/10.1016/j.neuropharm.2019.107752>.

<http://www.sciencedirect.com/science/article/pii/S0028390819303119>

Varoglu, A. O., Kuyucu, M., Demir, R., Acemoglu, H., Can, I., & Akcay, F. (2009). Prognostic values of lesion volume and biochemical markers in ischemic and hemorrhagic stroke: a stereological and clinical study. *International Journal of Neuroscience*, 119(12), 2206-2218. doi.

Varvel, N. H., Grathwohl, S. A., Degenhardt, K., Resch, C., Bosch, A., Jucker, M., & Neher, J. J. (2015). Replacement of brain-resident myeloid cells does not alter cerebral amyloid- β deposition in mouse models of Alzheimer's disease. *The Journal of Experimental Medicine*, 212(11), 1803-1809. doi:

10.1084/jem.20150478. <http://jem.rupress.org/content/212/11/1803.abstract>

Varvel, N. H., Neher, J. J., Bosch, A., Wang, W., Ransohoff, R. M., Miller, R. J., & Dingledine, R. (2016). Infiltrating monocytes promote brain inflammation and exacerbate neuronal damage after status epilepticus. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1604263113.

[http://www.pnas.org/content/early/2016/09/01/1604263113.ab stract](http://www.pnas.org/content/early/2016/09/01/1604263113.abstract)

Vazey, E. M., Dottori, M., Jamshidi, P., Tomas, D., Pera, M. F., Horne, M., & Connor, B. (2010). Comparison of Transplant Efficiency Between Spontaneously Derived and Noggin-Primed Human Embryonic Stem Cell Neural Precursors in the Quinolinic Acid Rat Model of Huntington's Disease. *Cell Transplantation*, 19(8), 1055-1062. doi.

Vázquez-Roque, R. A., Ramos, B., Tecuatl, C., Juárez, I., Adame, A., de la Cruz, F., ... Flores, G. (2012). Chronic administration of the neurotrophic agent cerebrolysin ameliorates the behavioral and morphological changes induced by neonatal ventral hippocampus lesion in a rat model of schizophrenia. *Journal of Neuroscience Research*, 90(1), 288-306. doi: 10.1002/jnr.22753. <http://dx.doi.org/10.1002/jnr.22753>

Vazquez-Sanroman, D., Segura, C. S., Toledo, R., Hernández, M. E., Manzo, J., & Miquel, M. (2013). The effects of enriched environment on BDNF expression in the mouse cerebellum

depending on the length of exposure. Behavioural Brain Research, (o).

doi: <http://dx.doi.org/10.1016/j.bbr.2012.12.047>.

<http://www.sciencedirect.com/science/article/pii/S0166432812008376>

Veena, J., Srikumar, B. N., Mahati, K., Bhagya, V., Raju, T. R., & Shankaranarayana Rao, B. S. (2009). Enriched environment restores hippocampal cell proliferation and ameliorates cognitive deficits in chronically stressed rats. *Journal of Neuroscience Research*, 87(4), 831- 843. doi.

Veena, J., Srikumar, B. N., Mahati, K., Raju, T. R., & Shankaranarayana Rao, B. S. (2011). Oxotremorine treatment restores hippocampal neurogenesis and ameliorates depression- like behaviour in chronically stressed rats. *Psychopharmacology*, 1-15. doi.

Veenema, A. H., de Kloet, E. R., de Wilde, M. C., Roelofs, A. J., Kawata, M., Buwalda, B., . . . Lucassen, P. J. (2007). Differential Effects of Stress on Adult Hippocampal Cell Proliferation in Low and High Aggressive Mice. *Journal of Neuroendocrinology*, 19(7), 489-498. doi: doi:10.1111/j.1365-2826.2007.01555.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2826.2007.01555.x>

Veeraraghavalu, K., Choi, S. H., Zhang, X., & Sisodia, S. S. (2010). Presenilin 1 Mutants Impair the Self-Renewal and Differentiation of Adult Murine Subventricular Zone-Neuronal Progenitors via Cell-Autonomous Mechanisms Involving Notch Signaling. *Journal of Neuroscience*, 30(20), 6903-6915. doi: 10.1523/jneurosci.0527-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/20/6903>

Veeravagu, A., Hou, L., Hsu, A., Cai, W., Greve, J., Chen, X., & Tse, V. (2008). The temporal correlation of dynamic contrast-enhanced magnetic resonance imaging with tumor angiogenesis in a murine glioblastoma model. *Neurological Research*, 30(9), 952-959. doi.

Vehmas, A. K., Borchelt, D. R., Price, D. L., McCarthy, D., Wills-Karp, M., Peper, M. J., . . . Troncoso, J. C. (2001). β -Amyloid Peptide Vaccination Results in Marked Changes in Serum and Brain A β Levels in APP^{sw}/PS1^{ΔE9} Mice, as Detected by SELDI-TOF-Based ProteinChip Technology. *DNA and Cell Biology*, 20(11), 713-721. doi.

Vehmas, A. K., Kawas, C. H., Stewart, W. F., & Troncoso, J. C. (2003). Immune reactive cells in senile plaques and cognitive decline in Alzheimer's disease. *Neurobiology of Aging*, 24(2), 321-331. doi.

Velazquez, R., Ash, J. A., Powers, B. E., Kelley, C. M., Strawderman, M., Luscher, Z. I., . . . Strupp, B. J. (2013). Maternal choline supplementation improves spatial learning and adult hippocampal neurogenesis in the Ts65Dn mouse model of Down syndrome. *Neurobiology of Disease*, (o).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.04.016>.

<http://www.sciencedirect.com/science/article/pii/S0969996113001307>

Venezia, S., Refolo, V., Polissidis, A., Stefanis, L., Wenning, G. K., & Stefanova, N. (2017). Toll- like receptor 4 stimulation with monophosphoryl lipid A ameliorates motor deficits and nigral neurodegeneration triggered by extraneuronal α -synucleinopathy. [journal article].

Molecular Neurodegeneration, 12(1), 52. doi: 10.1186/s13024-017-0195-

7. <http://dx.doi.org/10.1186/s13024-017-0195-7>

Venier, N. A., Colquhoun, A. J., Sasaki, H., Kiss, A., Sugar, L., Adomat, H., . . . Venkateswaran, V. (2014). Capsaicin: A novel radio-sensitizing agent for prostate cancer. *The Prostate*, n/a-n/a. doi: 10.1002/pros.22896. <http://dx.doi.org/10.1002/pros.22896>

Vercammen, L., Perren, A. V. d., Vaudano, E., Gijsbers, R., Debyser, Z., Haute, C. V. d., & Baekelandt, V. (2006). Parkin Protects against Neurotoxicity in the 6-Hydroxydopamine Rat Model for Parkinson's Disease. *Molecular Therapy*, 14(5), 716-723. doi.

Vercelli, A., Mereuta, O. M., Garbossa, D., Muraca, G., Mareschi, K., Rustichelli, D., . . . Fagioli, F. (2008). Human mesenchymal stem cell transplantation extends survival, improves motor performance and decreases neuroinflammation in mouse model of amyotrophic lateral sclerosis. *Neurobiology of Disease*, 31(3), 395-405. doi.

Vereczki, V., Martin, E., Rosenthal, R. E., Hof, P. R., Hoffman, G. E., & Fiskum, G. (2005). Normoxic resuscitation after cardiac arrest protects against hippocampal oxidative stress, metabolic dysfunction, and neuronal death. *Journal of Cerebral Blood Flow and Metabolism*. doi.

Verhovshek, T., Buckley, K. E., Sergeant, M. A., & Sengelaub, D. R. (2010). Testosterone metabolites differentially maintain adult morphology in a sexually dimorphic neuromuscular system. *Developmental Neurobiology*, 70(4), 206-221. doi.

Verhovshek, T., Cai, Y., Osborne, M. C., & Sengelaub, D. R. (2010). Androgen regulates brain-derived neurotrophic factor in spinal motoneurons and their target musculature. *Endocrinology*, 151(1), 253-253. doi.

Verhovshek, T., & Sengelaub, D. R. (2010). Trophic Effects of Brain-Derived Neurotrophic Factor Blockade in an Androgen-Sensitive Neuromuscular System. *Endocrinology*, 151(11), 5337-5348. doi.

Verina, T., Rohde, C. A., & Guilarte, T. R. (2007). Environmental lead exposure during early life alters granule cell neurogenesis and morphology in the hippocampus of young adult rats. *Neuroscience*, 145(3), 1037-1047. doi.

Verley, D. D. R., Torolira, M. D., Hessel, M. B. A., Sutton, D. R. L., & Harris, D. N. G. (2018). Cortical neuromodulation of remote regions after experimental TBI normalizes forelimb function but is temporally dependent. *Journal of Neurotrauma*, 0(ja), null. doi: 10.1089/neu.2018.5769. <https://www.liebertpub.com/doi/abs/10.1089/neu.2018.5769>

Verley, M. D. R., Torolira, M. D., Pulido, M. B., Gutman, D. B., Bragin, M. A., Mayer, D. A., & Harris, D. N. G. (2018). Remote changes in cortical excitability after experimental TBI and functional reorganization. *Journal of Neurotrauma*, 0(ja), null. doi: 10.1089/neu.2017.5536. <https://www.liebertpub.com/doi/abs/10.1089/neu.2017.5536>

Vermeij, W. P., Dollé, M. E. T., Reiling, E., Jaarsma, D., Payan-Gomez, C., Bombardieri, C. R., . . . Hoeijmakers, J. H. J. (2016). Restricted diet delays accelerated ageing and genomic stress in

DNA-repair-deficient mice. [Letter]. Nature, advance online publication. doi: 10.1038/nature19329

[http://www.nature.com/nature/journal/vaop/ncurrent/abs/nature19329.html#](http://www.nature.com/nature/journal/vaop/ncurrent/abs/nature19329.html#d)

<http://dx.doi.org/10.1038/nature19329>

Vernon, A., Johansson, S., & Modo, M. (2010). Non-invasive evaluation of nigrostriatal neuropathology in a proteasome inhibitor rodent model of Parkinson's disease. BMC Neuroscience, 11(1), 1. doi: <http://www.biomedcentral.com/1471-2202/11/1>

Vernon, A. C., Crum, W. R., Johansson, S. M., & Modo, M. (2011). Evolution of extra-nigral damage predicts behavioural deficits in a rat proteasome inhibitor model of Parkinson's disease. PLoS ONE, 6(2), e17269-e17269. doi:

Vernon, A. C., Crum, W. R., Lerch, J. P., Chege, W., Natesan, S., Modo, M., Kapur, S. (2013). Reduced Cortical Volume and Elevated Astrocyte Density in Rats Chronically Treated with Antipsychotic Drugs—Linking Magnetic Resonance Imaging Findings to Cellular Pathology. Biological Psychiatry, (0). doi: <http://dx.doi.org/10.1016/j.biopsych.2013.09.012>. <http://www.sciencedirect.com/science/article/pii/S0006322313008342>

Vernon, A. C., & Modo, M. (2011). Non-invasive MR Imaging of Neurodegeneration in a Rodent Model of Parkinson's Disease. Methods in Molecular Medicine, 711, 487-487. doi:

Vernon, A. C., Natesan, S., Crum, W. R., Cooper, J. D., Modo, M., Williams, S. C., & Kapur, S. (2011). Contrasting Effects of Haloperidol and Lithium on Rodent Brain Structure: A Magnetic Resonance Imaging Study with Postmortem Confirmation. Biological Psychiatry, (1873-2402 (Electronic)). doi:

Vernon, A. C., Natesan, S., Modo, M., & Kapur, S. (2010). Effect of chronic antipsychotic treatment on brain structure: a serial magnetic resonance imaging study with ex vivo and postmortem confirmation. Biological Psychiatry. doi:

Verwey, M., Grant, A., Meti, N., Adye-White, L., Torres-Berrio, A., Rioux, V.,.....Flores, C. (2016). Mesocortical Dopamine Phenotypes in Mice Lacking the Sonic Hedgehog Receptor Cdon. [10.1523/ENEURO.0009-16.2016]. eneuro. doi: <http://eneuro.org/content/early/2016/06/29/ENEURO.0009-16.2016.abstract>

Vetreno, R. P., Klintsova, A., & Savage, L. M. (2011). Stage-dependent alterations of progenitor cell proliferation and neurogenesis in an animal model of Wernicke-Korsakoff syndrome. Brain Research. doi:

Viana, L. C., Lima, C. M., Oliveira, M. A., Borges, R. P., Cardoso, T. T., Almeida, I. N. F., . . . Picanço-Diniz, C. (2013). Litter size, age-related memory impairments, and microglial changes in rat dentate gyrus: stereological analysis and three dimensional morphometry. Neuroscience, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.02.019>. <http://www.sciencedirect.com/science/article/pii/S030645221300153X>

- Vidal, P. M., Ulndreaj, A., Tetreault, L., Hong, J., & Fehlings, M. G. (2019). The changes in systemic monocytes in humans undergoing surgical decompression for degenerative cervical myelopathy may influence clinical neurological recovery. *Journal of Neuroimmunology*, 336, 577024. doi: <https://doi.org/10.1016/j.jneuroim.2019.577024>. <http://www.sciencedirect.com/science/article/pii/S0165572819301596>
- Vidyardhara, D. J., Yarreiphang, H., Abhilash, P. L., Raju, T. R., & Alladi, P. A. (2016). Differential expression of calbindin in nigral dopaminergic neurons in two mice strains with differential susceptibility to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. *Journal of Chemical Neuroanatomy*. doi: <http://dx.doi.org/10.1016/j.jchemneu.2016.01.001>. <http://www.sciencedirect.com/science/article/pii/S089106181600003X>
- Vidyardhara, D. J., Yarreiphang, H., Raju, T. R., & Alladi, P. A. (2016). Admixing of MPTP- Resistant and Susceptible Mice Strains Augments Nigrostriatal Neuronal Correlates to Resist MPTP-Induced Neurodegeneration. [journal article]. *Molecular Neurobiology*, 1-15. doi: 10.1007/s12035-016-0158-y. <http://dx.doi.org/10.1007/s12035-016-0158-y>
- Vigueras-Villaseñor, R. M., Ojeda, I., Gutierrez-Pérez, O., Chavez-Saldaña, M., Cuevas, O., Maria, D. S., & Rojas-Castañeda, J. C. (2011). Protective effect of α -tocopherol on damage to rat testes by experimental cryptorchidism. *International Journal of Experimental Pathology*, 92(2), 131-139. doi.
- Villalba, R. M., Pare, J.-F., Lee, S., Lee, S., & Smith, Y. (2019). Thalamic degeneration in MPTP- treated Parkinsonian monkeys: impact upon glutamatergic innervation of striatal cholinergic interneurons. [journal article]. *Brain Structure and Function*. doi: 10.1007/s00429-019-01967-w. <https://doi.org/10.1007/s00429-019-01967-w>
- Villeneuve, J., Tremblay, P., & Vallieres, L. (2005). Tumor Necrosis Factor Reduces Brain Tumor Growth by Enhancing Macrophage Recruitment and Microcyst Formation. *Cancer Research*, 65(9), 3928-3936. doi: 10.1158/0008-5472.can-04-3612. <http://cancerres.aacrjournals.org/cgi/content/abstract/65/9/3928>
- Vincent, A. E., Grady, J. P., Rocha, M. C., Alston, C. L., Rygiel, K. A., Barresi, R., . . . Turnbull, D. M. (2016). Mitochondrial dysfunction in myofibrillar myopathy. *Neuromuscular Disorders*. doi: 10.1016/j.nmd.2016.08.004. <http://dx.doi.org/10.1016/j.nmd.2016.08.004>
- Vincent, A. E., Rosa, H. S., Alston, C. L., Grady, J. P., Rygiel, K. A., Rocha, M. C., . . . Turnbull, D. M. (2016). Dysferlin mutations and mitochondrial dysfunction. *Neuromuscular Disorders*. doi: <http://dx.doi.org/10.1016/j.nmd.2016.08.008>. <http://www.sciencedirect.com/science/article/pii/S0960896616302395>
- Vincent, V. A. M., Robinson, C. C., Simsek, D., & Murphy, G. M. (2002). Macrophage colony stimulating factor prevents NMDA-induced neuronal death in hippocampal organotypic cultures. *Journal of Neurochemistry*, 82(6), 1388-1397. doi: 10.1046/j.1471-4159.2002.01087.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2002.01087.x>

Viollet, B., Guigas, B., Sanz Garcia, N., Leclerc, J., Foretz, M., & Andreelli, F. (2012). Cellular and molecular mechanisms of metformin: an overview. *Clinical Science*, 122. doi: 10.1042/cs20110386. <http://dx.doi.org/10.1042/CS20110386>

Visnyei, K., Tatsukawa, K. J., Erickson, R. I., Simonian, S., Oknaian, N., Carmichael, S. T., & Kornblum, H. I. (2006). Neural progenitor implantation restores metabolic deficits in the brain following striatal quinolinic acid lesion. *Experimental Neurology*, 197(2), 465-474. doi.

Vistoropsky-Katz, Y., Heiblum, R., Smorodinsky, N.-I., & Barnea, A. (2016). Active immunization against vasoactive intestinal polypeptide decreases neuronal recruitment and inhibits reproduction in zebra finches. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23971. <http://dx.doi.org/10.1002/cne.23971>

Viswanathan, J., Haapasalo, A., Böttcher, C., Miettinen, R., Kurkinen, K. M. A., Lu, A., . . . Hiltunen, M. (2011). Alzheimer's Disease-Associated Ubiquitin-1 Regulates Presenilin-1 Accumulation and Aggresome Formation. *Traffic*, 12(3), 330-348. doi: 10.1111/j.1600-0854.2010.01149.x. <http://dx.doi.org/10.1111/j.1600-0854.2010.01149.x>

Vit, J. P., Ohara, P. T., Tien, D. A., Fike, J. R., Eikmeier, L., Beitz, A., & Wilcox, G. L. (2006). The analgesic effect of low dose focal irradiation in a mouse model of bone cancer is associated with spinal changes in neuro-mediators of nociception. *Pain*, 120(1-2), 188-201. doi.

Vita, J.-P., Jasmina, L., Bhargava, A., & Ohara, P. T. (2008). Satellite glial cells in the trigeminal ganglion as a determinant of orofacial neuropathic pain. *Neuron Glia Biology*, 2(4), 247. doi.

Vitek, M., Li, F., & Colton, C. (2015). Apolipoprotein E and Mimetics as Targets and Therapeutics for Alzheimer's Disease. In G. M. Anantharamaiah & D. Goldberg (Eds.), *Apolipoprotein Mimetics in the Management of Human Disease* (pp. 157-182). Springer International Publishing.

Vizzard, M. A. (2001). Alterations in neuropeptide expression in lumbosacral bladder pathways following chronic cystitis. *Journal of Chemical Neuroanatomy*, 21(2), 125-138. doi.

Voda, J., Yamaji, T., & Gold, B. G. (2005). Neuroimmunophilin ligands improve functional recovery and increase axonal growth after spinal cord hemisection in rats. *Journal of Neurotrauma*, 22(10), 1150-1161. doi.

Vogt, J., Glumm, R., Schlüter, L., Schmitz, D., Rost, B. R., Streu, N., . . . others. (2011). Homeostatic regulation of NCAM polysialylation is critical for correct synaptic targeting. *Cellular and Molecular Life Sciences*, 1-13. doi.

Vogt, J., Paul, F., Aktas, O., Müller-Wielsch, K., Dörr, J., Dörr, S., . . . Zipp, F. (2009). Lower Motor Neuron Loss in Multiple Sclerosis and Experimental Autoimmune encephalomyelitis. *Annals of Neurology*, 66(3), 310-322. doi.

Volakakis, N., Tiklova, K., Decressac, M., Papathanou, M., Mattsson, B., Gillberg, L., . . . Perlmann, T. (2015). Nurrl and Retinoid X Receptor Ligands Stimulate Ret Signaling in Dopamine Neurons and Can Alleviate α -Synuclein Disrupted Gene Expression. *The Journal*

of Neuroscience, 35(42), 14370-14385.

doi: <http://www.jneurosci.org/content/35/42/14370.short>

Volk, D. W., Pierri, J. N., Fritschy, J.-M., Auh, S., Sampson, A. R., & Lewis, D. A. (2002). Reciprocal Alterations in Pre- and Postsynaptic Inhibitory Markers at Chandelier Cell Inputs to Pyramidal Neurons in Schizophrenia. *Cerebral Cortex*, 12(10), 1063-1070. doi: 10.1093/cercor/12.10.1063.

http://cercor.oxfordjournals.org/cgi/content/abstract/12/10/1_063

Voloboueva, L. A., Lee, S. W., Emery, J. F., Palmer, T. D., & Giffard, R. G. (2010). Mitochondrial Protection Attenuates Inflammation-Induced Impairment of Neurogenesis In Vitro and In Vivo. *Journal of Neuroscience*, 30(37), 12242-12251. doi: 10.1523/jneurosci.1752-

10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/37/12242>

Volz, F., Bock, H. H., Gierthmuehlen, M., Zentner, J., Haas, C. A., & Freiman, T. M. (2011). Stereologic estimation of hippocampal GluR2/3- and calretinin-immunoreactive hilar neurons (presumptive mossy cells) in two mouse models of temporal lobe epilepsy. *Epilepsia*, 52(9), 1579-1589. doi: 10.1111/j.1528-

1167.2011.03086.x. <http://dx.doi.org/10.1111/j.1528-1167.2011.03086.x>

Vomhof-DeKrey, E. E., Lansing, J. T., Darland, D. C., Umthun, J., Stover, A. D., Brown, C., & Basson, M. D. (2020). Loss of Slfn3 induces a gender-dependent repair vulnerability after 50% bowel resection. *American Journal of Physiology-Gastrointestinal and Liver Physiology*. doi: 10.1152/ajpgi.00344.2020. <https://doi.org/10.1152/ajpgi.00344.2020>

von Bohlen Und Halbach, O., Minichiello, L., & Unsicker, K. (2008). TrkB but not trkC receptors are necessary for postnatal maintenance of hippocampal spines. *Neurobiology of Aging*, 29(8), 1247-1255. doi.

von Coelln, R., Thomas, B., Andrabi, S. A., Lim, K. L., Savitt, J. M., Saffary, R., . . . Dawson, T. M. (2006). Inclusion Body Formation and Neurodegeneration Are Parkin Independent in a Mouse Model of α -Synucleinopathy. *Journal of Neuroscience*, 26(14), 3685-3696. doi: 10.1523/jneurosci.0414-

06.2006. <http://www.jneurosci.org/cgi/content/abstract/26/14/3685>

von Coelln, R., Thomas, B., Savitt, J. M., Lim, K. L., Sasaki, M., Hess, E. J., . . . Dawson, T. M. (2004). Loss of locus coeruleus neurons and reduced startle in parkin null mice. *Proceedings of the National Academy of Sciences*, 101(29), 10744-10749. doi:

10.1073/Proceedings of the National Academy of Sciences.0401297101.
<http://www.Proceedings of the National>

[Academy of Sciences.org/cgi/content/abstract/101/29/10744](http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/29/10744)

von Gunten, A., Kovari, E., Rivara, C. B., Bouras, C., Hof, P. R., & Giannakopoulos, P. (2005). Stereologic analysis of hippocampal Alzheimer's disease pathology in the oldest-old: evidence for sparing of the entorhinal cortex and CA1 field. *Experimental Neurology*, 193(1), 198-206. doi.

von Heimendahl, M., Rao, R. P., & Brecht, M. (2012). Weak and Nondiscriminative Responses to Conspecifics in the Rat Hippocampus. *Journal of Neuroscience*, 32(6), 2129-2141. doi: 10.1523/jneurosci.3812-11.2012.

<http://www.jneurosci.org/content/32/6/2129.abstract>

von Hövel, F. F., Leiter, I., Rumpel, R., Langenhagen, A., Wedekind, D., Häger, C., . . . Grothe, C. (2019). FGF-2 isoforms influence the development of dopaminergic neurons in the murine substantia nigra, but not anxiety-like behavior, stress susceptibility, or locomotor behavior. *Behavioural Brain Research*, 112113.

doi: <https://doi.org/10.1016/j.bbr.2019.112113>.

<http://www.sciencedirect.com/science/article/pii/S0166432819309702>

von Hövel, F. F., Rumpel, R., Ratzka, A., Schreiner, D., & Grothe, C. (2019). AAV2/DJ-mediated alpha-synuclein overexpression in the rat substantia nigra as early stage model of Parkinson's disease. [journal article]. *Cell and Tissue Research*. doi:

10.1007/s00441-019-03013-x. <https://doi.org/10.1007/s00441-019-03013-x>

von Rüden, E. L., Jafari, M., Bogdanovic, R. M., Wotjak, C. T., & Potschka, H. (2014). Analysis in conditional cannabinoid 1 receptor-knockout mice reveals neuronal subpopulation-specific effects on epileptogenesis in the kindling paradigm. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2014.08.001>.

<http://www.sciencedirect.com/science/article/pii/S0969996114002307>

von Rüden, E.-L., Zellinger, C., Gedon, J., Walker, A., Bierling, V., Deeg, C. A., . . . Potschka, H. (2019). Regulation of Alzheimer's disease-associated proteins during the course of epileptogenesis: differential proteomic analysis in a rat model. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2019.08.037>.

<http://www.sciencedirect.com/science/article/pii/S0306452219306128>

von Schantz, C., Kielar, C., Hansen, S. N., Pontikis, C. C., Alexander, N. A., Kopra, O., . . . Cooper, J. D. (2009). Progressive thalamocortical neuron loss in Cln5 deficient mice: Distinct effects in Finnish variant late infantile NCL. *Neurobiology of Disease*, 34(2), 308-319.

doi: <http://ukpmc.ac.uk/abstract/MED/19385065>

Vontell, R., Supramaniam, V., Thornton, C., Wyatt-Ashmead, J., Mallard, C., Gressens, P., . . . Hagberg, H. (2013). Toll-Like Receptor 3 Expression in Glia and Neurons Alters in Response to White Matter Injury in Preterm Infants. *Developmental Neuroscience*. doi:

Vontell, R., Supramaniam, V., Wyatt-Ashmead, J., Gressens, P., Rutherford, M., Hagberg, H., & Thornton, C. (2015). Cellular Mechanisms of Toll-Like Receptor-3 Activation in the Thalamus Are Associated With White Matter Injury in the Developing Brain. *Journal of Neuropathology and Experimental Neurology*, 74(3), 273-285.

doi: http://journals.lww.com/jneuropath/Abstract/2015/03000/Cellular_Mechanis...

Voskuhl, R. R., Peterson, R. S., Song, B., Ao, Y., Morales, L. B. J., Tiwari-Woodruff, S., & Sofroniew, M. V. (2009). Reactive Astrocytes Form Scar-Like Perivascular Barriers to Leukocytes during Adaptive Immune Inflammation of the CNS. *Journal of Neuroscience*, 29(37), 11511-11522. doi: 10.1523/jneurosci.1514-

09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/37/11511>

Voutilainen, M. H., Bäck, S., Peränen, J., Lindholm, P., Raasmaja, A., Männistö, P. T., . . . Tuominen, R. K. (2011). Chronic infusion of CDNF prevents 6-OHDA-induced deficits in a rat model of Parkinson's disease. *Experimental Neurology*, 228(1), 99-108. doi:

Voutilainen, M. H., Back, S., Porsti, E., Toppinen, L., Lindgren, L., Lindholm, P., . . . Tuominen, R. K. (2009). Mesencephalic Astrocyte-Derived Neurotrophic Factor Is Neurorestorative in Rat Model of Parkinson's Disease. *Journal of Neuroscience*, 29(30), 9651-9659. doi: 10.1523/jneurosci.0833-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/30/9651>

Vreys, R., Velde, G. V., Krylychkina, O., Vellema, M., Verhoye, M., Timmermans, J. P., . . . Van der Linden, A. (2010). MRI visualization of endogenous neural progenitor cell migration along the RMS in the adult mouse brain: validation of various MPIO labeling strategies. *Neuroimage*, 49(3), 2094-2103. doi.

Vrinda, M., Sasidharan, A., Aparna, S., Srikumar, B. N., Kutty, B. M., & Shankaranarayana Rao, B. S. (2017). Enriched environment attenuates behavioral seizures and depression in chronic temporal lobe epilepsy. *Epilepsia*, n/a-n/a. doi: 10.1111/epi.13767. <http://dx.doi.org/10.1111/epi.13767>

Vuillemenot, B. R., Kennedy, D., Cooper, J. D., Wong, A. M. S., Sri, S., Doeleman, T., . . . O'Neill, C. A. (2014). Nonclinical evaluation of CNS-administered TPP1 enzyme replacement in canine CLN2 neuronal ceroid lipofuscinosis. *Molecular Genetics and Metabolism*, (0). doi: <http://dx.doi.org/10.1016/j.ymgme.2014.09.004>. <http://www.sciencedirect.com/science/article/pii/S1096719214002935>

Vuillermot, S., Feldon, J., & Meyer, U. (2011). Relationship between sensorimotor gating deficits and dopaminergic neuroanatomy in Nurr1-deficient mice. *Experimental Neurology*. doi.

Vuillermot, S., Joodmardi, E., Perlmann, T., Ove Ögren, S., Feldon, J., & Meyer, U. (2012). Prenatal Immune Activation Interacts with Genetic Nurr1 Deficiency in the Development of Attentional Impairments. *Journal of Neuroscience*, 32(2), 436-451. doi: 10.1523/jneurosci.4831-11.2012. <http://www.jneurosci.org/content/32/2/436.abstract>

Vuillermot, S., Weber, L., Feldon, J., & Meyer, U. (2010). A Longitudinal Examination of the Neurodevelopmental Impact of Prenatal Immune Activation in Mice Reveals Primary Defects in Dopaminergic Development Relevant to Schizophrenia. *Journal of Neuroscience*, 30(4), 1270-1287. doi: 10.1523/jneurosci.5408-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/4/1270>

Vukovic, J., Borlikova, G. G., Ruitenber, M. J., Robinson, G. J., Sullivan, R. K. P., Walker, T. L., & Bartlett, P. F. (2013). Immature Doublecortin-Positive Hippocampal Neurons Are Important for Learning But Not for Remembering. *Journal of Neuroscience*, 33(15), 6603-6613. doi: 10.1523/jneurosci.3064-12.2013. <http://www.jneurosci.org/content/33/15/6603.abstract>

Vukovic, J., Marmorstein, L. Y., McLaughlin, P. J., Sasaki, T., Plant, G. W., Harvey, A. R., & Ruitenber, M. J. (2009). Lack of fibulin-3 alters regenerative tissue responses in the primary olfactory pathway. *Matrix Biology*, 28(7), 406-415. doi.

Wachs, F.-P., Winner, B., Couillard-Despres, S., Schiller, T., Aigner, R., Winkler, J., . . . Aigner, L. (2006). Transforming Growth Factor- β 1 Is a Negative Modulator of Adult Neurogenesis. *Journal of Neuropathology and Experimental Neurology*, 65(4), 358-370. doi.

Waddell, B., Bollen, M., Wyrwoll, C., Mori, T., & Mark, P. (2010). Developmental programming of adult adrenal structure and steroidogenesis: effects of fetal glucocorticoid excess and postnatal dietary omega-3 fatty acids. *Journal of Endocrinology* 205(2), 171. doi.

Wadhwa, M., Prabhakar, A., Anand, J. P., Ray, K., Prasad, D., Kumar, B., & Panjwani, U. (2019). Complement activation sustains neuroinflammation and deteriorates adult neurogenesis and spatial memory impairment in rat hippocampus following sleep deprivation. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2019.08.004>.
<http://www.sciencedirect.com/science/article/pii/S0889159119304696>

Wadhwa, M., Prabhakar, A., Ray, K., Roy, K., Kumari, P., Jha, P. K., . . . Panjwani, U. (2017). Inhibiting the microglia activation improves the spatial memory and adult neurogenesis in rat hippocampus during 48 h of sleep deprivation. [journal article]. *Journal of neuroinflammation*, 14(1), 222. doi: 10.1186/s12974-017-0998-z. <https://doi.org/10.1186/s12974-017-0998-z>

Wadowska, M., Woods, J., Rogozinska, M., & Briones, T. L. (2014). Neuroprotective Effects of Enriched Environment Housing After Transient Global Cerebral Ischemia are Associated with the Upregulation of Insulin-like Growth Factor-1 Signaling. *Neuropathology and Applied Neurobiology*, n/a-n/a. doi: 10.1111/nan.12146. <http://dx.doi.org/10.1111/nan.12146>

Wagenführ, L., Meyer, A. K., Marrone, L., & Storch, A. (2015). Oxygen tension within the neurogenic niche regulates dopaminergic neurogenesis in the developing midbrain. *Stem Cells and Development*. doi: 10.1089/scd.2015.0214. <http://dx.doi.org/10.1089/scd.2015.0214>

Wagner, L. K., Gilling, K. E., Schormann, E., Kloetzel, P. M., Heppner, F. L., Krüger, E., & Prokop, S. (2017). Immunoproteasome deficiency alters microglial cytokine response and improves cognitive deficits in Alzheimer's disease-like APPPS1 mice. [journal article]. *Acta Neuropathologica Communications*, 5(1), 52. doi: 10.1186/s40478-017-0453-5. <http://dx.doi.org/10.1186/s40478-017-0453-5>

Waider, J., Proft, F., Langlhofer, G., Asan, E., Lesch, K.-P., & Gutknecht, L. (2012). GABA concentration and GABAergic neuron populations in limbic areas are differentially altered by brain serotonin deficiency in *Tph2* knockout mice. *Histochemistry and Cell Biology*, 1-15. doi: 10.1007/s00418-012-1029-x. <http://dx.doi.org/10.1007/s00418-012-1029-x>

Wakai, T., Narasimhan, P., Sakata, H., Wang, E., Yoshioka, H., Kinouchi, H., & Chan, P. H. (2015). Hypoxic preconditioning enhances neural stem cell transplantation therapy after intracerebral hemorrhage in mice. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1177/0271678x15613798. <http://jcb.sagepub.com/content/early/2015/10/26/0271678X.15613798.abstract>

Wakai, T., Sakata, H., Narasimhan, P., Yoshioka, H., Kinouchi, H., & Chan, P. H. (2013). Transplantation of neural stem cells that overexpress SOD1 enhances amelioration of intracerebral hemorrhage in mice. *Journal of Cerebral Blood Flow and Metabolism*. doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2013215a.html>

Wakamatsu, M., Ishii, A., Iwata, S., Sakagami, J., Ukai, Y., Ono, M., . . . others. (2008). Selective loss of nigral dopamine neurons induced by overexpression of truncated human α -synuclein in mice. *Neurobiology of Aging*, 29(4), 574-585. doi.

Wakeman, D. R., Hiller, B. M., Marmion, D. J., McMahon, C. W., Corbett, G. T., Mangan, K. P., . . . Perez-Rosello, T. (2017). Cryopreservation Maintains Functionality of Human iPSC Dopamine Neurons and Rescues Parkinsonian Phenotypes In Vivo. *Stem Cell Reports*. doi. [http://www.cell.com/stem-cell-reports/pdfExtended/S2213-6711\(17\)30187-X](http://www.cell.com/stem-cell-reports/pdfExtended/S2213-6711(17)30187-X)

Wakuda, T., Matsuzaki, H., Suzuki, K., Iwata, Y., Shinmura, C., Suda, S., . . . others. (2008). Perinatal asphyxia reduces dentate granule cells and exacerbates methamphetamine-induced hyperlocomotion in adulthood. *PLoS ONE*, 3(11), e3648-e3648. doi.

Wälchli, T., Mateos, J. M., Weinman, O., Babic, D., Regli, L., Hoerstrup, S. P., . . . Vogel, J. (2015). Quantitative assessment of angiogenesis, perfused blood vessels and endothelial tip cells in the postnatal mouse brain. [Protocol]. *Nat. Protocols*, 10(1), 53-74. doi: 10.1038/nprot.2015.002

<http://www.nature.com/nprot/journal/v10/n1/abs/nprot.2015.002.html#suppl>

.....<http://doi.org/10.1038/nprot.2015.002>

doi.org/10.1038/nprot.2015.002

Waldau, B., Hattiangady, B., Kuruba, R., & Shetty, A. K. (2010). Medial Ganglionic Eminence-Derived Neural Stem Cell Grafts Ease Spontaneous Seizures and Restore GDNF Expression in a Rat Model of Chronic Temporal Lobe Epilepsy. *Stem Cells*, 28(7), 1153-1164. doi.

Walker, A. G., & Steinmetz, J. E. (2008). Hippocampal lesions in rats differentially affect long- and short-trace eyeblink conditioning. *Physiology and Behavior*, 93(3), 570-578. doi.

Walker, E. J., & Rosenberg, G. A. (2009). TIMP-3 and MMP-3 contribute to delayed inflammation and hippocampal neuronal death following global ischemia. *Experimental Neurology*, 216(1), 122-131. doi.

Walker, E. J., & Rosenberg, G. A. (2010). Divergent role for MMP-2 in myelin breakdown and oligodendrocyte death following transient global ischemia. *Journal of Neuroscience Research*, 88(4), 764-773. doi.

Walker, K. A., Ikeda, Y., Zabbarova, I., Schaefer, C. M., Bushnell, D. S., de Groat, W. C., . . . Bates, C. M. (2015). Fgfr2 is integral for bladder mesenchyme patterning and function. [10.1152/ajprenal.00624.2014]. *American Journal of Physiology - Renal Physiology*. doi. <http://ajprenal.physiology.org/content/early/2015/02/04/ajprenal.00624.2...>

Walker, L. C., Cornish, L. C., Lawrence, A. J., & Campbell, E. J. (2018). The effect of acute or repeated stress on the corticotropin releasing factor system in the CRH-IRES-Cre mouse: A validation study. *Neuropharmacology*. doi: <https://doi.org/10.1016/j.neuropharm.2018.09.037>. <http://www.sciencedirect.com/science/article/pii/S0028390818307032>

Wallace, D. L., Han, M. H., Graham, D. L., Green, T. A., Vialou, V., Iñiguez, S. D., . . . Nestler, E. (2009). CREB regulation of nucleus accumbens excitability mediates social isolation induced behavioral deficits. *Nature Neuroscience*, 12(2), 200-209. doi.

Wallace, K., Veerisetty, S., Paul, I., May, W., Miguel-Hidalgo, J. J., & Bennett, W. (2010). Prenatal infection decreases calbindin, decreases purkinje cell volume and density and produces long-term motor deficits in Sprague-Dawley rats. *Developmental Neuroscience*, 32(4), 302-312. doi:

Walsh, D. M., & Selkoe, D. J. (2004). Deciphering the molecular basis of memory failure in Alzheimer's disease. *Neuron*, 44. doi: 10.1016/j.neuron.2004.09.010. <http://dx.doi.org/10.1016/j.neuron.2004.09.010>

Walsh, M., Sar, A., Lee, D., Yilmaz, S., Benediktsson, H., Manns, B., & Hemmelgarn, B. (2010). Histopathologic features aid in predicting risk for progression of IgA nephropathy. *Clinical Journal of the American Society of Nephrology*, 5(3), 425-430. doi:

Walters, K. A., Allan, C. M., Jimenez, M., Lim, P. R., Davey, R. A., Zajac, J. D., . . . Handelsman, D. J. (2007). Female Mice Haploinsufficient for an Inactivated Androgen Receptor (AR) Exhibit Age-Dependent Defects That Resemble the AR Null Phenotype of Dysfunctional Late Follicle Development, Ovulation, and Fertility. *Endocrinology*, 148(8), 3674-3684. doi: 10.1210/en.2007-0248. <http://endo.endojournals.org/cgi/content/abstract/148/8/3674>

Walters, K. A., Edwards, M. C., Tesic, D., Caldwell, A. S., Jimenez, M., Smith, J. T., & Handelsman, D. J. (2018). The Role of Central Androgen Receptor Actions in Regulating the Hypothalamic-Pituitary-Ovarian Axis. *Neuroendocrinology*. doi: <https://www.karger.com/Article/Abstract/487762>

Walters, K. A., McTavish, K. J., Seneviratne, M. G., Jimenez, M., McMahon, A. C., Allan, C. M., . . . Handelsman, D. J. (2009). Subfertile Female Androgen Receptor Knockout Mice Exhibit Defects in Neuroendocrine Signaling, Intraovarian Function, and Uterine Development But Not Uterine Function. *Endocrinology*, 150(7), 3274-3282. doi: 10.1210/en.2008-1750. <http://endo.endojournals.org/cgi/content/abstract/150/7/3274>

Walters, K. A., Middleton, L. J., Joseph, S. R., Hazra, R., Jimenez, M., Simanainen, U., . . . Handelsman, D. J. (2012). Targeted Loss of Androgen Receptor Signaling in Murine Granulosa Cells of Preantral and Antral Follicles Causes Female Subfertility. *Biology of Reproduction*. doi: 10.1095/biolreprod.112.102012. http://www.biolreprod.org/content/early/2012/10/29/biolr_eprod.112.102012...

Walton, C., Pariser, E., & Nottebohm, F. (2012). The Zebra Finch Paradox: Song Is Little Changed, But Number of Neurons Doubles. *Journal of Neuroscience*, 32(3), 761-774. doi: 10.1523/jneurosci.3434-11.2012. <http://www.jneurosci.org/content/32/3/761.abstract>

Walton, S. L., Mortiz, K. M., Bertram, J. F., & Singh, R. R. (2016). Lengths of nephron tubule segments and collecting ducts in the CD-1 mouse kidney: an ontogeny study. [10.1152/ajprenal.00435.2016]. *American Journal of Physiology - Renal Physiology*. doi: <http://ajprenal.physiology.org/content/early/2016/09/15/ajprenal.00435.2...>

Walzlein, J. H., Synowitz, M., Engels, B., Markovic, D. S., Gabrusiewicz, K., Nikolaev, E., . . . Glass, R. (2008). The anti-tumorigenic response of neural precursors depends on subventricular proliferation and age. *Stem Cells*, 26, 2945 - 2954. doi:

10.1634/stemcells.2008-

0307. <http://stemcells.alphamedpress.org/cgi/content/abstract/2008-0307v1>

Wang, A. Y., Lohmann, K. M., Yang, C. K., Zimmerman, E. I., Pantazopoulos, H., Herring, N., . . . Konradi, C. (2011). Bipolar disorder type 1 and schizophrenia are accompanied by decreased density of parvalbumin-and somatostatin-positive interneurons in the parahippocampal region. *Acta Neuropathologica*, 1-12. doi:

Wang, B.-Y., Ye, Y.-Y., Qian, C., Zhang, H.-B., Mao, H.-X., Yao, L.-P., . . . Zhang, S.-Z. (2021). Stress increases MHC-I expression in dopaminergic neurons and induces autoimmune activation in Parkinson's disease. [Research Article]. *Neural Regeneration Research*, 16(12), 2521-2527. doi: 10.4103/1673-5374.313057. <http://www.nrronline.org/article.asp?issn=1673-5374;year=2021;volume=16;...>

Wang, C., Chen, T., Li, G., Zhou, L., Sha, S., & Chen, L. (2015). Simvastatin prevents beta-amyloid25-35-impaired neurogenesis in hippocampal dentate gyrus through alpha7nAChR- dependent cascading PI3K-Akt and increasing BDNF via reduction of farnesyl pyrophosphate. *Neuropharmacology*, 97. doi: 10.1016/j.neuropharm.2015.05.020. <http://dx.doi.org/10.1016/j.neuropharm.2015.05.020>

Wang, C. M., Cai, X. L., & Wen, Q. P. (2016). Astaxanthin reduces isoflurane-induced neuroapoptosis via the PI3K/Akt pathway. *Molecular Medicine Reports*. doi: <http://www.spandidos-publications.com/10.3892/mmr.2016.5035>

Wang, G., He, F., Xu, Y., Zhang, Y., Wang, X., Zhou, C., . . . Zou, J. (2017). Immunopotentiator Thymosin Alpha-1 Promotes Neurogenesis and Cognition in the Developing Mouse via a Systemic Th1 Bias. [journal article]. *Neuroscience bulletin*. doi: 10.1007/s12264-017-0162-x. <https://doi.org/10.1007/s12264-017-0162-x>

Wang, G., Jiang, X., Pu, H., Zhang, W., An, C., Hu, X., . . . Chen, J. (2012). Scriptaid, a Novel Histone Deacetylase Inhibitor, Protects Against Traumatic Brain Injury via Modulation of PTEN and AKT Pathway. *Neurotherapeutics*, 1-19. doi: 10.1007/s13311-012-0157-2. <http://dx.doi.org/10.1007/s13311-012-0157-2>

Wang, H., Chen, X., Li, Y., Tang, T.-S., & Bezprozvanny, I. (2010). Tetrabenazine is neuroprotective in Huntington's disease mice. *Molecular Neurodegeneration*, 5(1), 18. doi: <http://www.molecularneurodegeneration.com/content/5/1/18>

Wang, H., Durham, L., Dawson, H., Song, P., Warner, D. S., Sullivan, P. M., . . . Laskowitz, D. T. (2007). An apolipoprotein E-based therapeutic improves outcome and reduces Alzheimer's disease pathology following closed head injury: evidence of pharmacogenomic interaction. *Neuroscience*, 144(4), 1324-1333. doi:

Wang, H., & Gondré-Lewis, M. C. (2013). Prenatal Nicotine and Maternal Deprivation Stress De-Regulate the Development of CA1, CA3, and Dentate Gyrus Neurons in Hippocampus of Infant Rats. *Plos one*, 8(6), e65517. doi: 10.1371/journal.pone.0065517. <http://dx.doi.org/10.1371%2Fjournal.pone.0065517>

Wang, H., Liu, N.-K., Zhang, Y. P., Deng, L., Lu, Q.-B., Shields, C. B., . . . Xu, X.-M. (2015). Treadmill training induced lumbar motoneuron dendritic plasticity and behavior recovery in adult rats after a thoracic contusive spinal cord injury. *Experimental Neurology*, 271, 368- 378.

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.07.004>.

<http://www.sciencedirect.com/science/article/pii/S0014488615300388>

Wang, H., Lynch, J. R., Song, P., Yang, H. J., Yates, R. B., Mace, B., . . . Laskowitz, D. T. (2007). Simvastatin and atorvastatin improve behavioral outcome, reduce hippocampal degeneration, and improve cerebral blood flow after experimental traumatic brain injury. *Experimental Neurology*, 206(1), 59-69. doi.

Wang, H., Magnain, C., Wang, R., Dubb, J., Varjabedian, A., Tirrell, L. S., . . . Aganj, I. (2017). as-PSOCT: Volumetric microscopic imaging of human brain architecture and connectivity. *Neuroimage*. doi. <http://www.sciencedirect.com/science/article/pii/S105381191730825X>

Wang, H. B., Tahara, Y., Luk, S. H. C., Kim, Y.-S., Hitchcock, O. N., MacDowell Kaswan, Z. A., . . . Colwell, C. S. (2020). Melatonin treatment of repetitive behavioral deficits in the *Cntnap2* mouse model of autism spectrum disorder. *Neurobiology of Disease*, 145, 105064.

doi: <https://doi.org/10.1016/j.nbd.2020.105064>.

<http://www.sciencedirect.com/science/article/pii/S0969996120303399>

Wang, H.-L., Hu, S.-H., Chou, A.-H., Wang, S.-S., Weng, Y.-H., & Yeh, T.-H. (2013). H1152 promotes the degradation of polyglutamine-expanded ataxin-3 or ataxin-7 independently of its ROCK-inhibiting effect and ameliorates mutant ataxin-3-induced neurodegeneration in the SCA3 transgenic mouse. *Neuropharmacology*, 70(0), 1-11.

doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.01.006>.

<http://www.sciencedirect.com/science/article/pii/S0028390813000129>

Wang, H. Q., Imai, Y., Inoue, H., Kataoka, A., Iita, S., Nukina, N., & Takahashi, R. (2008). Pael-R transgenic mice crossed with parkin deficient mice displayed progressive and selective catecholaminergic neuronal loss. *Journal of Neurochemistry*, 107(1), 171-185. doi.

Wang, J., & Barbas, H. (2018). Specificity of primate amygdalar pathways to hippocampus. [10.1523/JNEUROSCI.1267-18.2018]. *The Journal of Neuroscience*.

doi. <http://www.jneurosci.org/content/early/2018/09/24/JNEUROSCI.1267-18.2018...>

Wang, J., Bina, R. W., Wingard, J. C., Terwilliger, E. F., Hammer, R. P., & Nikulina, E. M. (2013). Knockdown of tropomyosin-related kinase B receptor expression in the nucleus accumbens shell prevents intermittent social defeat stress-induced cross-sensitization to amphetamine in rats. *European Journal of Neuroscience*, n/a-n/a. doi:

10.1111/ejn.12464. <http://dx.doi.org/10.1111/ejn.12464>

Wang, J., Ho, L., Chen, L., Zhao, Z., Zhao, W., Qian, X., . . . Pasinetti, G. M. (2007). Valsartan lowers brain β -amyloid protein levels and improves spatial learning in a mouse model of Alzheimer disease. *Journal of Clinical Investigation*, 117, 3393-3402. doi.

Wang, J., Song, H.-R., Guo, M.-N., Ma, S.-F., Yun, Q., Liu, W.-J., . . . Zhu, Y.-Q. (2020). PGC-1 α regulate critical period plasticity via gene $\times$ environment interaction in the developmental

trajectory to schizophrenia. *Biochemical and Biophysical Research Communications*. doi: <https://doi.org/10.1016/j.bbrc.2020.03.030>.
<http://www.sciencedirect.com/science/article/pii/S0006291X2030509X>

Wang, J.-H., Chen, J., Kuo, S.-M., Mitchell, G. M., Lim, S. Y., & Liu, G.-S. (2019). Methods for Assessing Scaffold Vascularization In Vivo. In S. Böttcher-Haberzeth & T. Biedermann (Eds.), *Skin Tissue Engineering: Methods and Protocols* (pp. 217-226). New York, NY: Springer New York.

Wang, L., Gong, X., Liu, Y., Du, T., Zhang, Z., Zhang, T., & Wang, X. (2020). CD200 maintains the region-specific phenotype of microglia in the midbrain and its role in Parkinson's disease. *Glia*, n/a(n/a). doi: 10.1002/glia.23811. <https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23811>

Wang, L., Hong, J., Wu, Y., Liu, G., Yu, W., & Chen, L. (2018). Seipin deficiency in mice causes loss of dopaminergic neurons via aggregation and phosphorylation of α -synuclein and neuroinflammation. *Cell death & disease*, 9(5), 440. doi: 10.1038/s41419-018-0471-7.
<https://doi.org/10.1038/s41419-018-0471-7>

Wang, L., Zhai, Y.-Q., Xu, L.-L., Qiao, C., Sun, X.-L., Ding, J.-H., . . . Hu, G. (2013). Metabolic inflammation exacerbates dopaminergic neuronal degeneration in response to acute MPTP challenge in type 2 diabetes mice. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.11.001>.
<http://www.sciencedirect.com/science/article/pii/S0014488613003257>

Wang, L., Zhang, Z., Hou, L., Wang, Y., Zuo, J., Xue, M., . . . Pu, T. (2019). Phytic acid attenuates upregulation of GSK-3 β and disturbance of synaptic vesicle recycling in MPTP-induced Parkinson's disease models. *Neurochemistry International*, 129, 104507. doi: <https://doi.org/10.1016/j.neuint.2019.104507>. <http://www.sciencedirect.com/science/article/pii/S0197018619300658>

Wang, M., Zhu, J., Pan, Y., Dong, J., Zhang, L., Zhang, X., & Zhang, L. (2014). Hydrogen sulfide functions as a neuromodulator to regulate striatal neurotransmission in a mouse model of Parkinson's disease. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23504. <http://dx.doi.org/10.1002/jnr.23504>

Wang, Q., Gao, E., & Burkhalter, A. (2011). Gateways of Ventral and Dorsal Streams in Mouse Visual Cortex. *Journal of Neuroscience*, 31(5), 1905-1918. doi: 10.1523/jneurosci.3488-10.2011. <http://www.jneurosci.org/content/31/5/1905.abstract>

Wang, Q., Liao, C.-C., Stepniewska, I., Gabi, M., & Kaas, J. H. (2021). Cortical connections of the functional domain for climbing or running in posterior parietal cortex of galagos. <https://doi.org/10.1002/cne.25123>. *Journal of Comparative Neurology*, n/a(n/a). doi: <https://doi.org/10.1002/cne.25123>. <https://doi.org/10.1002/cne.25123>

Wang, R., Zhang, T., Ma, Z., Wang, Y., Cheng, Z., Xu, H., . . . Wang, X. (2010). The interaction of coagulation factor XII and monocyte/macrophages mediating peritoneal metastasis of epithelial ovarian cancer. *Gynecologic Oncology*, 117(3), 460-466. doi:

Wang, R., Zhao, X., Xu, J., Wen, Y., Li, A., Lu, M., & Zhou, J. (2018). Astrocytic JWA deletion exacerbates dopaminergic neurodegeneration by decreasing glutamate transporters in mice. *Cell death & disease*, 9(3), 352. doi: 10.1038/s41419-018-0381-8. <https://doi.org/10.1038/s41419-018-0381-8>

Wang, S., Bates, J., Li, X., Schanz, S., Chandler-Militello, D., Levine, C., . . . Goldman, Steven A. (2013). Human iPSC-Derived Oligodendrocyte Progenitor Cells Can Myelinate and Rescue a Mouse Model of Congenital Hypomyelination. *Cell Stem Cell*, 12(2), 252-264. doi: <http://dx.doi.org/10.1016/j.stem.2012.12.002>. <http://www.sciencedirect.com/science/article/pii/S1934590912007072>

Wang, S., Yan, J. Y., Lo, Y. K., Carvey, P. M., & Ling, Z. (2009). Dopaminergic and serotonergic deficiencies in young adult rats prenatally exposed to the bacterial lipopolysaccharide. *Brain Research*, 1265, 196-204. doi.

Wang, T., Huang, X.-J., Van, K. C., Went, G. T., Nguyen, J. T., & Lyeth, B. G. (2013). Amantadine Improves Cognitive Outcome and Increases Neuronal Survival after Fluid Percussion TBI in Rats. *Journal of Neurotrauma*, (ja). doi.

Wang, T., Van, K. C., Gavitt, B. J., Grayson, J. K., Lu, Y.-C., Lyeth, B. G., & Pichakron, K. O. (2013). Effect of fish oil supplementation in a rat model of multiple mild traumatic brain injuries. *Restorative Neurology and Neuroscience*. doi: 10.3233/rnn-130316. <http://dx.doi.org/10.3233/RNN-130316>

Wang, W., Zhang, H., Lee, D.-H., Yu, J., Cheng, T., Hong, M., . . . Wang, J. (2017). Using functional and molecular MRI techniques to detect neuroinflammation and neuroprotection after traumatic brain injury. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2017.04.019>. <http://www.sciencedirect.com/science/article/pii/S0889159117301290>

Wang, W. Y., Tan, M. S., Yu, J. T., & Tan, L. (2015). Role of pro-inflammatory cytokines released from microglia in Alzheimer's disease. *Ann Transl Med*, 3. doi.

Wang, X., Blanchard, J., Grundke-Iqbal, I., Wegiel, J., Deng, H.-X., Siddique, T., & Iqbal, K. (2013). Alzheimer disease and amyotrophic lateral sclerosis: an etiopathogenic connection. *Acta Neuropathologica*, 1-14. doi: 10.1007/s00401-013-1175-9. <http://dx.doi.org/10.1007/s00401-013-1175-9>

Wang, X., de Rivero Vaccari, J. P., Wang, H., Diaz, P., German, R., Marcillo, A., & Keane, R. W. (2011). Activation of the Nuclear Factor E2-Related Factor 2/Antioxidant Response Element Pathway is Neuroprotective Following Spinal Cord Injury. *Journal of Neurotrauma*, (ja). doi.

Wang, X., Hellgren, G., Löfqvist, C., Li, W., Hellström, A., Hagberg, H., & Mallard, C. (2009). White matter damage after chronic subclinical inflammation in newborn mice. *Journal of Child Neurology*, 24(9), 1171-1178. doi.

Wang, X., Liu, C., Wang, X., Gao, F., & Zhan, R.-Z. (2017). Density and Neurochemical Profiles of Neuronal Nitric Oxide Synthase-expressing Interneuron in the Mouse Basolateral Amygdala. *Brain Research*.

doi: <http://dx.doi.org/10.1016/j.brainres.2017.02.009>.
<http://www.sciencedirect.com/science/article/pii/S0006899317300720>

Wang, X., Misawa, R., Zielinski, M. C., Cowen, P., Jo, J., Periwal, V., . . . Hara, M. (2013). Regional Differences in Islet Distribution in the Human Pancreas - Preferential Beta-Cell Loss in the Head Region in Patients with Type 2 Diabetes. *Plos one*, 8(6), e67454. doi: 10.1371/journal.pone.0067454. <http://dx.doi.org/10.1371%2Fjournal.pone.0067454>

Wang, X., Sarkar, A., Cicchetti, F., Yu, M., Zhu, A., Jokivarsi, K., . . . Brownell, A. L. (2005). Cerebral PET imaging and histological evidence of transglutaminase inhibitor cystamine induced neuroprotection in transgenic R6/2 mouse model of Huntington's disease. *Journal of the Neurological Sciences*, 231(1-2), 57-66. doi.

Wang, X., Sirianni, A., Pei, Z., Cormier, K., Smith, K., Jiang, J., . . . Friedlander, R. M. (2011). The Melatonin MT1 Receptor Axis Modulates Mutant Huntingtin-Mediated Toxicity. *Journal of Neuroscience*, 31(41), 14496-14507. doi: 10.1523/jneurosci.3059-11.2011. <http://www.jneurosci.org/content/31/41/14496.abstract>

Wang, X., Stridh, L., Li, W., Dean, J., Elmgren, A., Gan, L., . . . Mallard, C. (2009). Lipopolysaccharide Sensitizes Neonatal Hypoxic-Ischemic Brain Injury in a MyD88-Dependent Manner. *Journal of Immunology*, 183(11), 7471-7477. doi: 10.4049/jimmunol.0900762. <http://www.jimmunol.org/cgi/content/abstract/183/11/7471>

Wang, X., Teng, L., Li, A., Ge, J., Laties, A. M., & Zhang, X. (2010). TRPC6 Channel Protects Retinal Ganglion Cells in a Rat Model of Retinal Ischemia/Reperfusion-Induced Cell Death. *Investigative Ophthalmology and Visual Science*, 51(11), 5751-5751. doi.

Wang, X., Yang, J., Xing, Z., Zhang, H., Wen, Y., Qi, F., . . . Yao, Z. (2018). IL-4 mediates the delayed neurobehavioral impairments induced by neonatal hepatitis B vaccination that involves the down-regulation of the IL-4 receptor in the hippocampus. *Cytokine*, 110, 137- 149. doi: <https://doi.org/10.1016/j.cyto.2018.04.037>.
<https://www.sciencedirect.com/science/article/pii/S104346661830190X>

Wang, X., Zhu, S., Pei, Z., Drozda, M., Stavrovskaya, I. G., Del Signore, S. J., . . . Friedlander, R. M. (2008). Inhibitors of Cytochrome c Release with Therapeutic Potential for Huntington's Disease. *Journal of Neuroscience*, 28(38), 9473-9485. doi: 10.1523/jneurosci.1867-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/38/9473>

Wang, X., Zielinski, M. C., Misawa, R., Wen, P., Wang, T.-Y., Wang, C.-Z., . . . Hara, M. (2013). Quantitative Analysis of Pancreatic Polypeptide Cell Distribution in the Human Pancreas. *Plos one*, 8(1), e55501. doi: 10.1371/journal.pone.0055501. <http://dx.doi.org/10.1371%2Fjournal.pone.0055501>

Wang, X. H., Xie, X., Luo, X. G., Shang, H., & HE, Z. (2016). Inhibiting purinergic P2X7 receptors with the antagonist brilliant blue G is neuroprotective in an intranigral lipopolysaccharide animal model of Parkinson's disease. *Molecular Medicine Reports*. doi. <https://www.spandidos-publications.com/10.3892/mmr.2016.6070>

- Wang, Y., Barakat, A., & Zhou, H. (2010). Electrotonic Coupling between Pyramidal Neurons in the Neocortex. . PLoS ONE, 5(4). doi: 10.1371/journal.pone.0010253.
- Wang, Y., Bontempi, B., Leinekugel, X., Lesburgueres, E., Liu, W., Weinstein, P. R., . . . Liu, J. (2011). Environmental Enrichment Preserves Cortical Inputs to the Parahippocampal Areas and Reduces Post Stroke Diaschisis. American Journal of Neuroprotection and Neuroregeneration, 3(1), 66-76. doi.
- Wang, Y., Cheung, P. T., Shen, G. X., Bhatia, I., Wu, E. X., Qiu, D., & Khong, P. L. (2007). Comparing diffusion-weighted and T2-weighted MR imaging for the quantification of infarct size in a neonatal rat hypoxic-ischemic model at 24h post-injury. International Journal of Developmental Neuroscience, 25(1), 1-5. doi.
- Wang, Y., Cheung, P. T., Shen, G. X., Wu, E. X., Cao, G., Bart, I., . . . Khong, P. L. (2006). Hypoxic- ischemic brain injury in the neonatal rat model: relationship between lesion size at early MR imaging and irreversible infarction. American journal of neuroradiology, 27(1), 51-54. doi.
- Wang, Y., Dong, X. X., Cao, Y., Liang, Z. Q., Han, R., Wu, J. C., . . . Qin, Z. H. (2009). p53 induction contributes to excitotoxic neuronal death in rat striatum through apoptotic and autophagic mechanisms. European Journal of Neuroscience, 30(12), 2258-2270. doi.
- Wang, Y., Markram, H., Goodman, P. H., Berger, T. K., Ma, J., & Goldman-Rakic, P. S. (2006). Heterogeneity in the pyramidal network of the medial prefrontal cortex. Nature of Neuroscience. doi.
- Wang, Y., Mukherjee, S., Fraefel, C., Breakefield, X. O., & Allen, P. D. (2002). Herpes simplex virus type 1 amplicon vector-mediated gene transfer to muscle. Human Gene Therapy, 13(2), 261-273. doi.
- Wang, Y., Neumann, M., Hansen, K., Hong, S. M., Kim, S., Noble-Haeusslein, L. J., & Liu, J. (2011). Fluoxetine increases hippocampal neurogenesis and induces epigenetic factors but does not improve functional recovery after traumatic brain injury. Journal of Neurotrauma, 28(2), 259-268. doi.
- Wang, Y., Wang, Y., Liu, J., & Wang, X. (2018). Electroacupuncture Alleviates Motor Symptoms and Up-Regulates Vesicular Glutamatergic Transporter 1 Expression in the Subthalamic Nucleus in a Unilateral 6-Hydroxydopamine-Lesioned Hemi-Parkinsonian Rat Model. [journal article]. Neuroscience bulletin. doi: 10.1007/s12264-018-0213-y. <https://doi.org/10.1007/s12264-018-0213-y>
- Wang, Y., Yin, X., Rosen, G., Gabel, L., Guadiana, S. M., Sarkisian, M. R., . . . LoTurco, J. J. (2011). Dcdc2 knockout mice display exacerbated developmental disruptions following knockdown of Dcx. Neuroscience. doi.
- Wang, Y. C., Ho, U. C., Ko, M. C., Liao, C. C., & Lee, L. J. (2011). Differential neuronal changes in medial prefrontal cortex, basolateral amygdala and nucleus accumbens after postweaning social isolation. Brain Structure and Function, 1-15. doi.

Wang, Y. Q., Cui, H. R., Yang, S. Z., Sun, H. P., Qiu, M. H., Feng, X. Y., & Sun, F. Y. (2009). VEGF enhance cortical newborn neurons and their neurite development in adult rat brain after cerebral ischemia. *Neurochemistry International*, 55(7), 629-636. doi.

Wang, Y.-R., Qin, S., Han, R., Wu, J.-C., Liang, Z.-Q., Qin, Z.-H., & Wang, Y. (2013). Cathepsin L Plays a Role in Quinolinic Acid-Induced NF- κ B Activation and Excitotoxicity in Rat Striatal Neurons. *Plos one*, 8(9), e75702. doi: 10.1371/journal.pone.0075702. <http://dx.doi.org/10.1371%2Fjournal.pone.0075702>

Wang, Z., Dong, H., Wang, J., Huang, Y., Zhang, X., Tang, Y., . . . Huang, F. (2020). Pro-survival and anti-inflammatory roles of NF- κ B c-Rel in the Parkinson's disease models. *Redox Biology*, 30, 101427. doi: <https://doi.org/10.1016/j.redox.2020.101427>. <http://www.sciencedirect.com/science/article/pii/S221323171931184X>

Wanner, I. B., Anderson, M. A., Song, B., Levine, J., Fernandez, A., Gray-Thompson, Z., . . . Sofroniew, M. V. (2013). Glial Scar Borders Are Formed by Newly Proliferated, Elongated Astrocytes That Interact to Corral Inflammatory and Fibrotic Cells via STAT3-Dependent Mechanisms after Spinal Cord Injury. *Journal of Neuroscience*, 33(31), 12870-12886. doi: 10.1523/jneurosci.2121-13.2013. <http://www.jneurosci.org/content/33/31/12870.abstract>

Ward, B. J., Day, L. B., Wilkening, S. R., Wylie, D. R., Saucier, D. M., & Iwaniuk, A. N. (2012). Hummingbirds have a greatly enlarged hippocampal formation. *Biology Letters*. doi.

Ward, C. S., Arvide, E. M., Huang, T.-W., Yoo, J., Noebels, J. L., & Neul, J. L. (2011). MeCP2 Is Critical within HoxB1-Derived Tissues of Mice for Normal Lifespan. *Journal of Neuroscience*, 31(28), 10359-10370. doi: 10.1523/jneurosci.0057-11.2011. <http://www.jneurosci.org/content/31/28/10359.abstract>

Warmus, B. A., Sekar, D. R., McCutchen, E., Schellenberg, G. D., Roberts, R. C., McMahon, L. L., & Roberson, E. D. (2014). Tau-Mediated NMDA Receptor Impairment Underlies Dysfunction of a Selectively Vulnerable Network in a Mouse Model of Frontotemporal Dementia. *The Journal of Neuroscience*, 34(49), 16482-16495. doi. <http://www.jneurosci.org/content/34/49/16482.short>

Warren, B., Sial, O., Alcantara, L., Greenwood, M., Brewer, J., Rozofsky, J., . . . Bolaños-Guzmán, C. (2014). Altered Gene Expression and Spine Density in Nucleus Accumbens of Adolescent and Adult Male Mice Exposed to Emotional and Physical Stress. *Developmental Neuroscience*. doi. <http://www.karger.com/Article/FullText/362875>

Wartman, B. C., Gabel, J., & Holahan, M. R. (2014). Inactivation of the Anterior Cingulate Reveals Enhanced Reliance on Cortical Networks for Remote Spatial Memory Retrieval after Sequential Memory Processing. *Plos one*, 9(10), e108711. doi: 10.1371/journal.pone.0108711. <http://dx.doi.org/10.1371%2Fjournal.pone.0108711>

Wartman, B. C., & Holahan, M. R. (2013). The use of sequential hippocampal-dependent and - non-dependent tasks to study the activation profile of the anterior cingulate cortex during recent and remote memory tests. *Neurobiology of Learning and Memory*, (0).

doi: <http://dx.doi.org/10.1016/j.nlm.2013.08.011>.
<http://www.sciencedirect.com/science/article/pii/S1074742713001706>

Watanabe, J., Shetty, A. K., Hattiangady, B., Kim, D.-K., Foraker, J. E., Nishida, H., & Prockop, D. J. (2013). Administration of TSG-6 improves memory after traumatic brain injury in mice. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2013.06.017>.
<http://www.sciencedirect.com/science/article/pii/S0969996113001940>

Watari, H., Born, D. E., & Gleason, C. A. (2006). Effects of first trimester binge alcohol exposure on developing white matter in fetal sheep. *Pediatric Research*, 59, 560-564. doi:

Waterhouse, E. G., An, J. J., Orefice, L. L., Baydyuk, M., Liao, G. Y., Zheng, K., . . . Xu, B. (2012). BDNF Promotes Differentiation and Maturation of Adult-born Neurons through GABAergic Transmission. *Journal of Neuroscience*, 32(41), 14318-14330. doi:

Watkins, A. J., Lucas, E. S., Torrens, C., Cleal, J. K., Green, L., Osmond, C., . . . Fleming, T. P. (2010). Maternal low-protein diet during mouse pre-implantation development induces vascular dysfunction and altered renin-angiotensin-system homeostasis in the offspring. *British Journal of Nutrition*, 103(12), 1762-1762. doi:

Watkins, A. J., Wilkins, A., Cunningham, C., Perry, V. H., Seet, M. J., Osmond, C., . . . Fleming, T. P. (2008). Low protein diet fed exclusively during mouse oocyte maturation leads to behavioural and cardiovascular abnormalities in offspring. *Journal of Physiology*, jphysiol.2007.149229. doi: 10.1113/jphysiol.2007.149229.

<http://jp.physoc.org/cgi/content/abstract/jphysiol.2007.149229v1>

Watson, F., Coppi, A. A., Volk, H. A., Packer, R. M. A., Tauro, A., & Rusbridge, C. (2021). Comparison of volume of the forebrain, subarachnoid space and lateral ventricles between dogs with idiopathic epilepsy and controls using a stereological approach: Cavalieri's principle. *Canine Medicine and Genetics*, 8(1), 3. doi: 10.1186/s40575-021-00101-0

6. <https://doi.org/10.1186/s40575-021-00101-6>

Watson, M. B., Nobuta, H., Abad, C., Lee, S. K., Bala, N., Zhu, C., . . . Waschek, J. A. (2013). PACAP deficiency sensitizes nigrostriatal dopaminergic neurons to paraquat-induced damage and modulates central and peripheral inflammatory activation in mice. *Neuroscience*, (0).

doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.03.002>.
<http://www.sciencedirect.com/science/article/pii/S0306452213002133>

Watson, M. B., Richter, F., Lee, S. K., Gabby, L., Wu, J., Masliah, E., . . . Chesselet, M.-F. (2012). Regionally-specific microglial activation in young mice over-expressing human wildtype alpha-synuclein. *Experimental Neurology*, (0). doi: 10.1016/j.expneurol.2012.06.025. <http://www.sciencedirect.com/science/article/pii/S0014488612002671>

Waung, M. W., Margolis, E. B., Charbit, A. R., & Fields, H. L. (2019). A Midbrain Circuit that Mediates Headache Aversiveness in Rats. *Cell Reports*, 28(11), 2739-2747.e2734.

doi: <https://doi.org/10.1016/j.celrep.2019.08.009>.
<http://www.sciencedirect.com/science/article/pii/S2211124719310423>

Wayman, W. N., Dodiya, H. B., Persons, A. L., Kashanchi, F., Kordower, J. H., Hu, X.-T., & Celeste Napier, T. (2012). Enduring cortical alterations after a single in-vivo treatment of HIV- 1 Tat. *Neuroreport*, Publish Ahead of Print, 10.1097/WNR.1090b1013e3283578050. doi: http://journals.lww.com/neuroreport/Fulltext/publishahead/Enduring_corti...

Weathington, J. M., Puhy, C., Hamki, A., Strahan, J. A., & Cooke, B. M. (2013). Sexually dimorphic patterns of neural activity in response to juvenile social subjugation. *Behavioural Brain Research*, 256(0), 464-471. doi: <http://dx.doi.org/10.1016/j.bbr.2013.08.042>.
<http://www.sciencedirect.com/science/article/pii/S0166432813005391>

Weathington, J. M., Strahan, J. A., & Cooke, B. M. (2012). Social experience induces sex-specific fos expression in the amygdala of the juvenile rat. *Hormones and Behavior*, (0). doi: 10.1016/j.yhbeh.2012.06.004.
<http://www.sciencedirect.com/science/article/pii/S0018506X12001699>

Webster, K. M., Sun, M., Crack, P. J., O'Brien, T. J., Shultz, S. R., & Semple, B. D. (2018). Age- dependent release of high-mobility group box protein-1 (HMGB1) and cellular neuroinflammation after traumatic brain injury in mice. *Journal of Comparative Neurology*, 0(ja). doi: doi:10.1002/cne.24589. <https://onlinelibrary.wiley.com/doi/abs/10.1002/cne.24589>

Wecker, L., Engberg, M. E., Philpot, R. M., Lambert, C. S., Kang, C. W., Antilla, J. C., . . . Rowell, P. P. (2013). Neuronal Nicotinic Receptor Agonists Improve Gait and Balance in Olivocerebellar Ataxia. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.05.016>.
<http://www.sciencedirect.com/science/article/pii/S0028390813002268>

Weeren, P. C., Bruyn, K. M., Vries-Smits, A. M., Lint, J., & Burgering, B. M. (1998). Essential role for protein kinase B (PKB) in insulin-induced glycogen synthase kinase 3 inactivation. Characterization of dominant-negative mutant of PKB. *Journal of Biological Chemistry*, 273. doi: 10.1074/jbc.273.21.13150. <http://dx.doi.org/10.1074/jbc.273.21.13150>

Wegiel, J., Flory, M., Kuchna, I., Nowicki, K., Yong Ma, S., Wegiel, J., . . . Reisberg, B. (2017). Multiregional Age-Associated Reduction of Brain Neuronal Reserve Without Association With Neurofibrillary Degeneration or β -Amyloidosis. *Journal of Neuropathology and Experimental Neurology*, 76(6), 439-457. doi: <https://academic.oup.com/jnen/article-abstract/76/6/439/3826543/Multireg...>

Wegiel, J., Frackowiak, J., Mazur-Kolecka, B., Schanen, N. C., Cook, E. H., Sigman, M., . . . Nowicki, K. (2012). Abnormal Intracellular Accumulation and Extracellular A β Deposition in Idiopathic and Dup15q11. 2-q13 Autism Spectrum Disorders. *PLoS ONE*, 7(5), e35414. doi:

Wegiel, J., Kaczmarek, W., Barua, M., Kuchna, I., Nowicki, K., Wang, K. C., . . . others. (2011). The link between DYRK1A overexpression and several-fold enhancement of neurofibrillary

degeneration with 3-repeat tau protein in Down syndrome. *Journal of Neuropathology and Experimental Neurology*, 70(1), 36-36. doi.

Wegiel, J., Kuchna, I., Nowicki, K., Imaki, H., Wegiel, J., Yong Ma, S., . . . Wisniewski, T. (2013). Contribution of olivofloccular circuitry developmental defects to atypical gaze in autism. *Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.brainres.2013.03.037>.
<http://www.sciencedirect.com/science/article/pii/S0006899313004599>

Wegrzynowicz, M., Bar-On, D., Calo', L., Anichtchik, O., Iovino, M., Xia, J., . . . Spillantini, M. G. (2019). Depopulation of dense α -synuclein aggregates is associated with rescue of dopamine neuron dysfunction and death in a new Parkinson's disease model. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-019-02023-x. <https://doi.org/10.1007/s00401-019-02023-x>

Wei, H., Bonjean, M., Petry, H. M., Sejnowski, T. J., & Bickford, M. E. (2011). Thalamic Burst Firing Propensity: A Comparison of the Dorsal Lateral Geniculate and Pulvinar Nuclei in the Tree Shrew. *Journal of Neuroscience*, 31(47), 17287-17299. doi: 10.1523/jneurosci.6431-10.2011. <http://www.jneurosci.org/content/31/47/17287.abstract>

Wei, L., Meaney, M. J., Duman, R. S., & Kaffman, A. (2011). Affiliative Behavior Requires Juvenile, But Not Adult Neurogenesis. *Journal of Neuroscience*, 31(40), 14335-14345. doi: 10.1523/jneurosci.1333-11.2011. <http://www.jneurosci.org/content/31/40/14335.abstract>

Wei, Y., Yemisci, M., Kim, H. H., Yung, L. M., Shin, H. K., Hwang, S. K., . . . others. (2011). Fingolimod provides long-term protection in rodent models of cerebral ischemia. *Annals of Neurology*, 69(1), 119-129. doi.

Wei, Y.-C., Wang, S.-R., Jiao, Z.-L., Zhang, W., Lin, J.-K., Li, X.-Y., . . . Xu, X.-H. (2018). Medial preoptic area in mice is capable of mediating sexually dimorphic behaviors regardless of gender. *Nature Communications*, 9(1), 279. doi: 10.1038/s41467-017-02648-0. <https://doi.org/10.1038/s41467-017-02648-0>

Wei, Z., Belal, C., Tu, W., Chigurupati, S., Ameli, N. J., Lu, Y., & Chan, S. L. (2012). Chronic Nicotine Administration Impairs Activation of Cyclic AMP-Response Element Binding Protein and Survival of Newborn Cells in the Dentate Gyrus. *Stem Cells and Development*. doi.

Weimer, J. M., Benedict, J. W., Elshatory, Y. M., Short, D. W., Ramirez-Montealegre, D., Ryan, D. A., . . . Pearce, D. A. (2007). Alterations in striatal dopamine catabolism precede loss of substantia nigra neurons in a mouse model of juvenile neuronal ceroid lipofuscinosis. *Brain Research*, 1162, 98-112. doi.

Weimer, J. M., Benedict, J. W., Getty, A. L., Pontikis, C. C., Lim, M. J., Cooper, J. D., & Pearce, D. A. (2009). Cerebellar defects in a mouse model of juvenile neuronal ceroid lipofuscinosis. *Brain Research*, 1266, 93-107. doi.

Weimer, J. M., Custer, A. W., Benedict, J. W., Alexander, N. A., Kingsley, E., Federoff, H. J., . . . Pearce, D. A. (2006). Visual deficits in a mouse model of Batten disease are the result of

optic nerve degeneration and loss of dorsal lateral geniculate thalamic neurons. *Neurobiology of Disease*, 22(2), 284-293. doi.

Weinrich, L., Sonntag, M., Arendt, T., & Morawski, M. (2018). Neuroanatomical characterization of perineuronal net components in the human cochlear nucleus and superior olivary complex. *Hearing Research*, 367, 32-47. doi: <https://doi.org/10.1016/j.heares.2018.07.005>.
<http://www.sciencedirect.com/science/article/pii/S0378595518300741>

Weisheit, C. E., & Dauer, W. T. (2015). A novel conditional knock-in approach defines molecular and circuit effects of the DYT1 dystonia mutation. *Human Molecular Genetics*. doi: 10.1093/hmg/ddv355.
<http://hmg.oxfordjournals.org/content/early/2015/09/13/hmg.ddv355.abstract>

Weitekamp, C. A., & Hofmann, H. A. (2017). Neuromolecular correlates of cooperation and conflict during territory defense in a cichlid fish. *Hormones and Behavior*, 89, 145-156. doi: <http://dx.doi.org/10.1016/j.yhbeh.2017.01.001>.
<http://www.sciencedirect.com/science/article/pii/S0018506X16302616>

Welin, D., Novikova, L. N., Wiberg, M., Kellerth, J. O., & Novikov, L. N. (2009). Effects of N- acetyl-cysteine on the survival and regeneration of sural sensory neurons in adult rats. *Brain Research*, 1287, 58-66. doi.

Wen, Y.-R., Yang, J.-H., Wang, X., & Yao, Z.-B. (2018). Induced dural lymphangiogenesis facilitates soluble amyloid-beta clearance from brain in a transgenic mouse model of Alzheimer's disease. [Research Article]. *Neural Regeneration Research*, 13(4), 709-716. doi: 10.4103/1673-5374.230299.
<http://www.nrronline.org/article.asp?issn=1673-5374;year=2018;volume=13;...>

Wendeln, A.-C., Degenhardt, K., Kaurani, L., Gertig, M., Ulas, T., Jain, G., . . . Neher, J. J. (2018). Innate immune memory in the brain shapes neurological disease hallmarks. *Nature*, 556(7701), 332-338. doi: 10.1038/s41586-018-0023-4.
<https://doi.org/10.1038/s41586-018-0023-4>

Wendt, H., Soerensen, J., Wotjak, C. T., & Potschka, H. (2011). Targeting the endocannabinoid system in the amygdala kindling model of temporal lobe epilepsy in mice. *Epilepsia*, 52(7), e62-e65. doi: 10.1111/j.1528-1167.2011.03079.x.
<http://dx.doi.org/10.1111/j.1528-1167.2011.03079.x>

West, C. A., Davies, K. A., Hart, A. M., Wiberg, M., Williams, S. R., & Terenghi, G. (2007). Volumetric magnetic resonance imaging of dorsal root ganglia for the objective quantitative assessment of neuron death after peripheral nerve injury. *Experimental Neurology*, 203(1), 22-33. doi.

West, M. J. (1993). New stereological methods for counting neurons. *Neurobiology of Aging*, 14. doi: 10.1016/0197-4580(93)90112-o. [http://dx.doi.org/10.1016/0197-4580\(93\)90112-O](http://dx.doi.org/10.1016/0197-4580(93)90112-O)

West, M. J., Bach, G., Söderman, A., & Jensen, J. L. (2009). Synaptic contact number and size in stratum radiatum CA1 of APP/PS1 Δ E9 transgenic mice. *Neurobiology of Aging*, 30(11), 1756-1776. doi.

West, R. K., Maynard, M. E., & Leasure, J. L. (2018). Binge ethanol effects on prefrontal cortex neurons, spatial working memory and task-induced neuronal activation in male and female rats. *Physiology and Behavior*, 188, 79-85.
doi: <https://doi.org/10.1016/j.physbeh.2018.01.027>
<https://www.sciencedirect.com/science/article/pii/S003193841830043X>

West, R. K., Wooden, J. I., Barton, E. A., & Leasure, J. L. (2019). Recurrent binge ethanol is associated with significant loss of dentate gyrus granule neurons in female rats despite concomitant increase in neurogenesis. *Neuropharmacology*, 148, 272-283.
doi: <https://doi.org/10.1016/j.neuropharm.2019.01.016>
<http://www.sciencedirect.com/science/article/pii/S0028390818305616>

West, T., Atzeva, M., & Holtzman, D. M. (2006). Caspase-3 deficiency during development increases vulnerability to hypoxic-ischemic injury through caspase-3-independent pathways. *Neurobiology of Disease*, 22(3), 523-537. doi.

Westmark, C. J., Westmark, P. R., O'Riordan, K. J., Ray, B. C., Hervey, C. M., Salamat, M. S., . . . others. (2011). Reversal of Fragile X Phenotypes by Manipulation of A β PP/A β Levels in Fmr1KO Mice. *PLoS ONE*, 6(10), e26549-e26549. doi.

Westmark, P. R., Dekundy, A., Gravius, A., Danysz, W., & Westmark, C. J. (2018). Rescue of Fmr1KO phenotypes with mGluR5 inhibitors: MRZ-8456 versus AFQ-056. *Neurobiology of Disease*.
doi: <https://doi.org/10.1016/j.nbd.2018.08.008>
<http://www.sciencedirect.com/science/article/pii/S0969996118304406>

Westphal, R., Sumiyoshi, A., Simmons, C., Mesquita, M., Wood, T. C., Williams, S. C. R., . . . Cash, D. (2016). Characterization of grey matter atrophy following 6-hydroxydopamine lesion of the nigrostriatal system. *Neuroscience*.
doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.07.046>
<http://www.sciencedirect.com/science/article/pii/S030645221630361X>

Wetzel, M. K., Naska, S., Laliberté, C. L., Rymar, V. V., Fujitani, M., Biernaskie, J. A., . . . Kaplan, D. R. (2008). p73 regulates neurodegeneration and phospho-tau accumulation during aging and Alzheimer's disease. *Neuron*, 59(5), 708-721. doi.

Wheeler, A. L., Teixeira, C. M., Wang, A. H., Xiong, X., Kovacevic, N., Lerch, J. P., . . . Frankland, P. W. (2013). Identification of a Functional Connectome for Long-Term Fear Memory in Mice. *PLoS Computational Biology*, 9(1). doi.

Wheeler, D. G., Dixon, G., & Harper, C. (2006). No differences in calcium-binding protein immunoreactivity in the posterior cingulate and visual cortex: schizophrenia and controls. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 30(4), 630-639. doi.

Wheeler, D. G., & Harper, C. G. (2007). Localised reductions in gyrification in the posterior cingulate: Schizophrenia and controls. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 31(2), 319-327. doi.

Whetstone, W. D., Walker, B., Trivedi, A., Lee, S., Noble-Haeusslein, L. J., & Hsu, J.-Y. C. (2017). Protease-Activated Receptor-1 Supports Locomotor Recovery by Biased Agonist Activated Protein C after Contusive Spinal Cord Injury. *Plos one*, 12(1), e0170512. doi: 10.1371/journal.pone.0170512.
<http://dx.doi.org/10.1371%2Fjournal.pone.0170512>

White, B. D., Nathe, R. J., Maris, D. O., Nguyen, N. K., Goodson, J. M., Moon, R. T., & Horner, P. J. (2010). β -Catenin Signaling Increases in Proliferating NG2⁺ Progenitors and Astrocytes during Post-Traumatic Gliogenesis in the Adult Brain. *Stem Cells*, 28(2), 297-307. doi.

White, E., Bienemann, A., Malone, J., Megraw, L., Bunnun, C., Wyatt, M., & Gill, S. (2011). An evaluation of the relationships between catheter design and tissue mechanics in achieving high-flow convection-enhanced delivery. *Journal of Neuroscience Methods*. doi.

White, E., Bienemann, A., Megraw, L., Bunnun, C., & Gill, S. (2011). Evaluation and optimization of the administration of a selectively replicating herpes simplex viral vector to the brain by convection-enhanced delivery. *Cancer Gene Therapy*, 18(5), 358-369. doi.

White, E., Bienemann, A., Sena-Esteves, M., Taylor, H., Bunnun, C., Castrique, E., & Gill, S. (2010). Evaluation and optimization of the administration of recombinant adeno-associated viral vectors (serotypes 2/1, 2/2, 2/rh8, 2/9, and 2/rh10) by convection-enhanced delivery to the striatum. *Human Gene Therapy*, 22(2), 237-251. doi.

White, E., Bienemann, A., Taylor, H., Castrique, E., Bunnun, C., Wyatt, M., & Gill, S. (2011). An evaluation of site-specific immune responses directed against first-generation adenoviral vectors administered by convection-enhanced delivery. *Journal of Gene Medicine*, 13(5), 269-282. doi.

White, E. A., Bienemann, A. S., Megraw, L., Bunnun, C., Wyatt, M. J., Taylor, H., & Gill, S. S. (2012). The Distribution Properties of Lentiviral Vectors Administered into the Striatum by Convection-Enhanced Delivery. *Human Gene Therapy*, (ja). doi.

White, L. D., & Barone, S. (2001). Qualitative and quantitative estimates of apoptosis from birth to senescence in the rat brain. *Cell Death and Differentiation*, 8, 345-356. doi.

White, N. S. (2006). Visualization systems for multi-dimensional microscopy images. *Handbook Of Biological Confocal Microscopy*, 280-315. doi.

Whitney, E. R., Kemper, T. L., Rosene, D. L., Bauman, M. L., & Blatt, G. J. (2008). Calbindin-D28k is a more reliable marker of human Purkinje cells than standard Nissl stains: a stereological experiment. *Journal of Neuroscience Methods*, 168(1), 42-47. doi.

Whitney, E. R., Kemper, T. L., Rosene, D. L., Bauman, M. L., & Blatt, G. J. (2009). Density of cerebellar basket and stellate cells in autism: evidence for a late developmental loss of Purkinje cells. *Journal of Neuroscience Research*, 87(10), 2245-2254. doi.

Whittaker, M. T., Zai, L. J., Lee, H. J., Pajoohesh-Ganji, A., Wu, J., Sharp, A., . . . Wrathall, J. R. (2012). GGF2 (Nrg1- β 3) treatment enhances NG2⁺ cell response and improves functional recovery after spinal cord injury. *Glia*, 60(2), 281-294. doi: 10.1002/glia.21262. <http://dx.doi.org/10.1002/glia.21262>

Wieck, A., Andersen, S. L., & Brenhouse, H. C. (2012). Evidence for a neuroinflammatory mechanism in delayed effects of early life adversity in rats: Relationship to cortical NMDA receptor expression. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2012.11.012>. <http://www.sciencedirect.com/science/article/pii/S0889159112004989>

Wihan, J., Grosch, J., Kalinichenko, L. S., Müller, C. P., Winkler, J., & Kohl, Z. (2019). Layer-specific axonal degeneration of serotonergic fibers in the prefrontal cortex of aged A53T α -synuclein expressing mice. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2019.03.014>. <http://www.sciencedirect.com/science/article/pii/S0197458019300995>

Wihan, J., Grosch, J., Kalinichenko, L. S., Müller, C. P., Winkler, J., & Kohl, Z. (2019). Layer-specific axonal degeneration of serotonergic fibers in the prefrontal cortex of aged A53T α -synuclein expressing mice. *Neurobiology of Aging*. doi: <https://doi.org/10.1016/j.neurobiolaging.2019.03.014>. <http://www.sciencedirect.com/science/article/pii/S0197458019300995>

Wilber, A. A., Southwood, C. J., Sokoloff, G., Steinmetz, J. E., & Wellman, C. L. (2007). Neonatal maternal separation alters adult eyeblink conditioning and glucocorticoid receptor expression in the interpositus nucleus of the cerebellum. *Developmental Neurobiology*, 67(13), 1751-1764. doi.

Wilcock, D. M., Lewis, M. R., Van Nostrand, W. E., Davis, J., Previti, M. L., Gharkholonarehe, N., . . . Colton, C. A. (2008). Progression of Amyloid Pathology to Alzheimer's Disease Pathology in an Amyloid Precursor Protein Transgenic Mouse Model by Removal of Nitric Oxide Synthase 2. *Journal of Neuroscience*, 28(7), 1537-1545. doi: 10.1523/jneurosci.5066-07.2008. <http://www.jneurosci.org/cgi/content/abstract/28/7/1537>

Wilcock, D. M., Vitek, M. P., & Colton, C. A. (2009). Vascular amyloid alters astrocytic water and potassium channels in mouse models and humans with Alzheimer's disease. *Neuroscience*, 159(3), 1055-1069. doi.

Wilcox, J. T., Satkunendrarajah, K., Nasirzadeh, Y., Laliberte, A. M., Lip, A., Cadotte, D. W., . . . Fehlings, M. G. (2017). Generating level-dependent models of cervical and thoracic spinal cord injury: Exploring the interplay of neuroanatomy, physiology, and function. *Neurobiology of Disease*. doi: <https://doi.org/10.1016/j.nbd.2017.05.009>. <http://www.sciencedirect.com/science/article/pii/S0969996117301213>

Wild, B. M., Mohan, R., & Morris, R. (2017). Rat motor neurons caudal to a rubrospinal tract (RST) transection remain viable. *Neuroscience*. doi: <https://doi.org/10.1016/j.neuroscience.2017.09.013>. <http://www.sciencedirect.com/science/article/pii/S0306452217306486>

Wild, S., Roglic, G., Green, A., Sicree, R., & King, H. (2004). Global prevalence of diabetes: estimates for the year 2000 and projections for 2030. *Diabetes Care*, 27. doi: 10.2337/diacare.27.5.1047. <http://dx.doi.org/10.2337/diacare.27.5.1047>

Wilhelmsson, U., Li, L., Pekna, M., Berthold, C.-H., Blom, S., Eliasson, C., . . . Pekny, M. (2004). Absence of glial fibrillary acidic protein and vimentin prevents hypertrophy of astrocytic processes and improves post-traumatic regeneration. *Journal of Neuroscience*, 24(21), 5016- 5021. doi.

Will, J. L., Eckart, M. T., Rosenow, F., Bauer, S., Oertel, W. H., Schwarting, R. K. W., & Norwood, B. A. (2013). Enhanced sequential reaction time task performance in a rat model of mesial temporal lobe epilepsy with classic hippocampal sclerosis. *Behavioural Brain Research*, (0). doi: <http://dx.doi.org/10.1016/j.bbr.2013.03.019>.
<http://www.sciencedirect.com/science/article/pii/S0166432813001526>

Willard, S. L., Riddle, D. R., Forbes, M. E., & Shively, C. A. (2013). Cell Number and Neuropil Alterations in Subregions of the Anterior Hippocampus in a Female Monkey Model of Depression. *Biological Psychiatry*, (0). doi: <http://dx.doi.org/10.1016/j.biopsych.2013.03.013>.
<http://www.sciencedirect.com/science/article/pii/S0006322313002667>

Willi, R., Harmeier, A., Giovanoli, S., & Meyer, U. (2013). Altered GSK3 β signaling in an infection-based mouse model of developmental neuropsychiatric disease. *Neuropharmacology*, (0). doi: <http://dx.doi.org/10.1016/j.neuropharm.2013.05.012>.
<http://www.sciencedirect.com/science/article/pii/S0028390813002220>

Williams, E. C., Zhong, X., Mohamed, A., Li, R., Liu, Y., Dong, Q., . . . Chang, Q. (2014). Mutant astrocytes differentiated from Rett syndrome patients-specific iPSCs have adverse effects on wild type neurons. *Human Molecular Genetics*. doi: 10.1093/hmg/ddu008.
<http://hmg.oxfordjournals.org/content/early/2014/01/12/hmg.ddu008.abstract>

Williams, E. T., Glauser, L., Tsika, E., Jiang, H., Islam, S., & Moore, D. J. (2018). Parkin mediates the ubiquitination of VPS35 and modulates retromer-dependent endosomal sorting. *Human Molecular Genetics*, ddy224-ddy224. doi: 10.1093/hmg/ddy224. <http://dx.doi.org/10.1093/hmg/ddy224>

Williams, G. P., Marmion, D. J., Schonhoff, A. M., Jurkuvenaite, A., Won, W.-J., Standaert, D. G., . . . Harms, A. S. (2020). T cell infiltration in both human multiple system atrophy and a novel mouse model of the disease. *Acta Neuropathologica*. doi: 10.1007/s00401-020-02126-w. <https://doi.org/10.1007/s00401-020-02126-w>

Williams, G. P., Schonhoff, A. M., Jurkuvenaite, A., Thome, A. D., Standaert, D. G., & Harms, A. S. (2018). Targeting of the class II transactivator attenuates inflammation and neurodegeneration in an alpha-synuclein model of Parkinson's disease. *Journal of neuroinflammation*, 15(1), 244. doi: <https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-018...>

Williams, P. A., & Dudek, F. E. (2007). A chronic histopathological and electrophysiological analysis of a rodent hypoxic-ischemic brain injury model and its use as a model of epilepsy. *Neuroscience*, 149(4), 943-961. doi.

Williams, P. A., Wuarin, J.-P., Dou, P., Ferraro, D. J., & Dudek, F. E. (2002). Reassessment of the Effects of Cycloheximide on Mossy Fiber Sprouting and Epileptogenesis in the Pilocarpine Model of Temporal Lobe Epilepsy *Journal of Neurophysiology*, 88, 2075-2087. doi.

Williams, P. T., & Martin, J. H. (2015). Motor Cortex Activity Organizes the Developing Rubrospinal System. *The Journal of Neuroscience*, 35(39), 13363-13374. doi: <http://www.jneurosci.org/content/35/39/13363.abstract>

Williamson, L. L., & Bilbo, S. D. (2014). Neonatal infection modulates behavioral flexibility and hippocampal activation on a Morris Water Maze task. *Physiology and Behavior*, (0). doi: <http://dx.doi.org/10.1016/j.physbeh.2014.02.033>.
<http://www.sciencedirect.com/science/article/pii/S0031938414001024>

Williamson, L. L., Chao, A., & Bilbo, S. D. (2012). Environmental enrichment alters glial antigen expression and neuroimmune function in the adult rat hippocampus. *Brain, Behavior, and Immunity*. doi.

Williamson, L. L., McKenney, E. A., Holzknecht, Z. E., Belliveau, C., Rawls, J. F., Poulton, S., . . . Bilbo, S. D. (2015). Got Worms? Perinatal Exposure to Helminths Prevents Persistent Immune Sensitization and Cognitive Dysfunction Induced by Early-Life Infection. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2015.07.006>.
<http://www.sciencedirect.com/science/article/pii/S0889159115002408>

Williamson, L. L., McKenney, E. A., Holzknecht, Z. E., Belliveau, C., Rawls, J. F., Poulton, S., . . . Bilbo, S. D. (2015). Got worms? Perinatal exposure to helminths prevents persistent immune sensitization and cognitive dysfunction induced by early-life infection. *Brain, Behavior, and Immunity*. doi: <http://dx.doi.org/10.1016/j.bbi.2015.07.006>.
<http://www.sciencedirect.com/science/article/pii/S0889159115002408>

Willie, J. T., Lim, M. M., Bennett, R. E., Azarion, A. A., Schwetye, K. E., & Brody, D. L. (2012). Controlled Cortical Impact Traumatic Brain Injury Acutely Disrupts Wakefulness and Extracellular Orexin Dynamics as Determined by Intracerebral Microdialysis in Mice. *Journal of Neurotrauma*, (ja). doi.

Willing, J., & Juraska, J. M. (2015). The timing of neuronal loss across adolescence in the medial prefrontal cortex of male and female rats. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2015.05.073>.
<http://www.sciencedirect.com/science/article/pii/S0306452215005242>

Willis, G. L., & Robertson, A. D. (2005). Recovery from experimental Parkinson's disease in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine hydrochloride treated marmoset with the melatonin analogue ML-23. *Pharmacology Biochemistry and Behavior*, 80(1), 9-26. doi.

Willis, L. M., Freeman, L., Bickford, P. C., Quintero, E. M., Umphlet, C. D., Moore, A. B., . . . Granholm, A. C. (2010). Blueberry supplementation attenuates microglial activation in hippocampal intraocular grafts to aged hosts. *Glia*, 58(6), 679-690. doi.

Willis, L. M., Small, B. J., Bickford, P. C., Umphlet, C. D., Moore, A. B., & Granholm, A.-C. E. (2008). Dietary blueberry supplementation affects growth but not vascularization of neural transplants. *Journal of Cerebral Blood Flow and Metabolism*, 28(6), 1150-1164. doi.

Wilson, N. M., Gurney, M. E., Dietrich, W. D., & Atkins, C. M. (2017). Therapeutic benefits of phosphodiesterase 4B inhibition after traumatic brain injury. *Plos one*, 12(5), e0178013. doi: 10.1371/journal.pone.0178013.
<https://doi.org/10.1371/journal.pone.0178013>

Wilson, R. E., Coons, K. D., & Sengelaub, D. R. (2009). Neuroprotective effects of testosterone on dendritic morphology following partial motoneuron depletion: Efficacy in female rats. *Neuroscience Letters*, 465(2), 123-127. doi.

Wilson, R. S., Arnold, S. E., Schneider, J. A., Kelly, J. F., Tang, Y., & Bennett, D. A. (2006). Chronic Psychological Distress and Risk of Alzheimer's Disease in Old Age. *Neuroepidemiology*, 27(3), 143-153. doi. <http://www.karger.com/DOI/10.1159/000095761>

Wilson, R. S., Arnold, S. E., Schneider, J. A., Li, Y., & Bennett, D. A. (2007). Chronic distress, age-related neuropathology, and late-life dementia. *Psychosomatic Medicine*, 69(1), 47-53. doi.

Wilson, R. S., Arnold, S. E., Schneider, J. A., Tang, Y., & Bennett, D. A. (2007). The relationship between cerebral Alzheimer's disease pathology and odour identification in old age. *Journal of Neurosurgery*, 78, 30-35. doi.

Wilson, R. S., James, R. S., Kohlsdorf, T., & Cox, V. M. (2004). Interindividual variation of isolated muscle performance and fibre-type composition in the toad *Bufo viridus*. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, 174(6), 453-459. doi.

Wilson, R. S., Nag, S., Boyle, P. A., Hize, L. P., Yu, L., Buchman, A. S., . . . Bennett, D. A. (2013). Neural reserve, neuronal density in the locus ceruleus, and cognitive decline. *Neurology*. doi.

Wilson, R. S., Scherr, P. A., Schneider, J. A., Tang, Y., & Bennett, D. A. (2007). Relation of cognitive activity to risk of developing Alzheimer disease. *Neurology*, 69(20), 1911-1920. doi.

Wiltgen, B. J., Royle, G. A., Gray, E. E., Abdipranoto, A., Thangthaeng, N., Jacobs, N., . . . Vissel, B. (2010). A Role for Calcium-Permeable AMPA Receptors in Synaptic Plasticity and Learning. *PLoS ONE*, 5(9), e12818. doi. <http://dx.doi.org/10.1371/journal.pone.0012818>

Winawer, M. R., Makarenko, N., McCloskey, D. P., Hintz, T. M., Nair, N., Palmer, A. A., & Scharfman, H. E. (2007). Acute and chronic responses to the convulsant pilocarpine in DBA/2J and A/J mice. *Neuroscience*, 149(2), 465-475. doi.

Windrem, M. S., Osipovitch, M., Liu, Z., Bates, J., Chandler-Militello, D., Zou, L., . . . Goldman, S. A. (2017). Human iPSC Glial Mouse Chimeras Reveal Glial Contributions to Schizophrenia. *Cell Stem Cell*.

doi: <https://doi.org/10.1016/j.stem.2017.06.012>.

<http://www.sciencedirect.com/science/article/pii/S1934590917302382>

Windrem, M. S., Schanz, S. J., Morrow, C., Munir, J., Chandler-Militello, D., Wang, S., & Goldman, S. A. (2014). A Competitive Advantage by Neonatally Engrafted Human Glial Progenitors Yields Mice Whose Brains Are Chimeric for Human Glia. *The Journal of Neuroscience*, 34(48), 16153-16161.

doi: <http://www.jneurosci.org/content/34/48/16153.short>

Winner, B., Cooper-Kuhn, C. M., Aigner, R., Winkler, J., & Kuhn, H. G. (2002). Long-term survival and cell death of newly generated neurons in the adult rat olfactory bulb. *European Journal of Neuroscience*, 16(9), 1681-1689. doi: doi:10.1046/j.1460-

9568.2002.02238.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1460-9568.2002.02238.x>

Winner, B., Couillard-Despres, S., Geyer, M., Aigner, R., Bogdahn, U., Aigner, L., . . . Winkler, J. (2008). Dopaminergic lesion enhances growth factor-induced striatal neuroblast migration. *Journal of Neuropathology and Experimental Neurology*, 67(2), 105-105. doi.

Winner, B., Desplats, P., Hagl, C., Klucken, J., Aigner, R., Ploetz, S., . . . others. (2009). Dopamine receptor activation promotes adult neurogenesis in an acute Parkinson model. *Experimental Neurology*, 219(2), 543-552. doi.

Winner, B., Geyer, M., Couillard-Despres, S., Aigner, R., Bogdahn, U., Aigner, L., . . . Winkler, J. (2006). Striatal deafferentation increases dopaminergic neurogenesis in the adult olfactory bulb. *Experimental Neurology*, 197(1), 113-121. doi.

Winner, B., Lie, D. C., Rockenstein, E., Aigner, R., Aigner, L., Masliah, E., . . . Winkler, J. (2004). Human Wild-Type α -Synuclein Impairs Neurogenesis. *Journal of Neuropathology and Experimental Neurology*, 63(11), 1155-1155. doi.

Winner, B., Melrose, H. L., Zhao, C., Hinkle, K. M., Yue, M., Kent, C., . . . others. (2011). Adult neurogenesis and neurite outgrowth are impaired in LRRK2 G2019S mice. *Neurobiology of Disease*, 41(3), 706-716. doi.

Winner, B., Regensburger, M., Schreglmann, S., Boyer, L., Prots, I., Rockenstein, E., . . . Gage, F. H. (2012). Role of α -Synuclein in Adult Neurogenesis and Neuronal Maturation in the Dentate Gyrus. *Journal of Neuroscience*, 32(47), 16906-16916. doi: 10.1523/jneurosci.2723-12.2012. <http://www.jneurosci.org/content/32/47/16906.abstract>

Winner, B., Rockenstein, E., Lie, D. C., Aigner, R., Mante, M., Bogdahn, U., . . . Winkler, J. (2008). Mutant alpha-synuclein exacerbates age-related decrease of neurogenesis. *Neurobiology of Aging*, 29(6), 913-925. doi.

Winship, A. L., Bakai, M., Sarma, U., Liew, S. H., & Hutt, K. J. (2018). Dacarbazine depletes the ovarian reserve in mice and depletion is enhanced with age. *Scientific Reports (Nature*

Publisher Group), 8, 1-13.

doi: <https://search.proquest.com/openview/281437ccfe611ad89c08cd8ebf8d209b/1?..>

Winter, A. N., Subbarayan, M. S., Grimmig, B., Weesner, J. A., Moss, L., Peters, M., . . . Bickford, P. C. (2020). Two forms of CX3CL1 display differential activity and rescue cognitive deficits in CX3CL1 knockout mice. *Journal of neuroinflammation*, 17(1), 157. doi: 10.1186/s12974-020-01828-y. <https://doi.org/10.1186/s12974-020-01828-y>

Winter, B., Juckel, G., Viktorov, I., Katchanov, J., Gietz, A., Sohr, R., . . . Endres, M. (2005). Anxious and hyperactive phenotype following brief ischemic episodes in mice. *Biological Psychiatry*, 57(10), 1166-1175. doi.

Winter, C., Lemke, C., Sohr, R., Meissner, W., Harnack, D., Juckel, G., . . . Kupsch, A. (2008). High frequency stimulation of the subthalamic nucleus modulates neurotransmission in limbic brain regions of the rat. *Experimental Brain Research*. doi: <http://dx.doi.org/10.1007/s00221-007-1171-1>

Winter, C., von Rumohr, A., Mundt, A., Petrus, D., Klein, J., Lee, T., . . . Juckel, G. (2007). Lesions of dopaminergic neurons in the substantia nigra pars compacta and in the ventral tegmental area enhance depressive-like behavior in rats. *Behavioural Brain Research*, 184(2), 133-141. doi.

Wirth, F., Schempf, G., Stein, G., Wellmann, K., Manthou, M., Scholl, C., . . . Harrach, R. (2012). Whole-body vibration improves functional recovery in spinal cord-injured rats. *Journal of Neurotrauma*, (ja). doi.

Wirth, P., Yu, W., Kimball, A. L., Liao, J., Berkner, P., & Glenn, M. J. (2017). New method to induce mild traumatic brain injury in rodents produces differential outcomes in female and male Sprague Dawley rats. *Journal of Neuroscience Methods*, 290, 133-144. doi: <http://dx.doi.org/10.1016/j.jneumeth.2017.07.030>.
<http://www.sciencedirect.com/science/article/pii/S016502701730273X>

Wise, L. M., Sadowski, R. N., Kim, T., Willing, J., & Juraska, J. M. (2016). Long-term effects of adolescent exposure to Bisphenol A on neuron and glia number in the rat prefrontal cortex: Differences between the sexes and cell type. *Neurotoxicology*. doi: <http://dx.doi.org/10.1016/j.neuro.2016.01.011>.
<http://www.sciencedirect.com/science/article/pii/S0161813X16300109>

Wiseman, P. W., Brown, C. M., Webb, D. J., Hebert, B., Johnson, N. L., Squier, J. E., . . . Horwitz, A. F. (2004). Spatial mapping of integrin interactions and dynamics during cell migration by Image Correlation Microscopy. *Journal of Cell Science*, 117(23), 5521-5534. doi.

Wisor, J. P., Edgar, D. M., Yesavage, J., Ryan, H. S., McCormick, C. M., Lapustea, N., & Murphy Jr, G. M. (2005). Sleep and circadian abnormalities in a transgenic mouse model of Alzheimer's disease: a role for cholinergic transmission. *Neuroscience*, 131(2), 375-385. doi.

Wohlert, D., Kröger, J., Witt, M., Schmitt, O., Wree, A., Czech-Damal, N., . . . Hanke, F. D. (2015). A Comparative Morphometric Analysis of Three Cranial Nerves in Two Phocids: The Hooded

Seal (*Cystophora cristata*) and the Harbor Seal (*Phoca vitulina*). *The Anatomical Record*, n/a- n/a. doi: 10.1002/ar.23298. <http://dx.doi.org/10.1002/ar.23298>

Wöhr, M., Kehl, M., Borta, A., A. S., Schwarting, R. K. W., & GU., H. (2009). New insights into the relationship of neurogenesis and affect: tickling induces hippocampal cell proliferation in rats emitting appetitive 50-kHz ultrasonic vocalizations. *Neuroscience*, 163(4), 1024-1030. doi.

Wojaczynski, G., Engel, E., Steren, K., Enquist, L., & Patrick Card, J. (2014). The neuroinvasive profiles of H129 (herpes simplex virus type 1) recombinants with putative anterograde-only transneuronal spread properties. *Brain Structure and Function*, 1-26. doi: 10.1007/s00429-014-0733-9. <http://dx.doi.org/10.1007/s00429-014-0733-9>

Wojtas, A. M., Sens, J. P., Kang, S. S., Baker, K. E., Berry, T. J., Kurti, A., . . . Fryer, J. D. (2020). Astrocyte-derived clusterin suppresses amyloid formation in vivo. *Molecular Neurodegeneration*, 15(1), 71. doi: 10.1186/s13024-020-00416-1. <https://doi.org/10.1186/s13024-020-00416-1>

Wolf, S. A., Kronenberg, G., Lehmann, K., Blankenship, A., Overall, R., Staufenbiel, M., & Kempermann, G. (2006). Cognitive and physical activity differently modulate disease progression in the amyloid precursor protein (APP)-23 model of Alzheimer's disease. *Biological Psychiatry*, 60(12), 1314-1323. doi.

Wong, B. K. Y., Ehrnhoefer, D. E., Graham, R. K., Martin, D. D. O., Ladha, S., Uribe, V., . . . Hayden, M. R. (2015). Partial rescue of some features of Huntington Disease in the genetic absence of caspase-6 in YAC128 mice. *Neurobiology of Disease*, (0). doi: <http://dx.doi.org/10.1016/j.nbd.2014.12.030>. <http://www.sciencedirect.com/science/article/pii/S0969996115000029>

Wong, F. K., Bercsenyi, K., Sreenivasan, V., Portalés, A., Fernández-Otero, M., & Marín, O. (2018). Pyramidal cell regulation of interneuron survival sculpts cortical networks. *Nature*, 557(7707), 668-673. doi: 10.1038/s41586-018-0139-6. <https://doi.org/10.1038/s41586-018-0139-6>

Wong-Goodrich, S. J. E., Glenn, M. J., Mellott, T. J., Blusztajn, J. K., Meck, W. H., & Williams, C. L. (2008). Spatial memory and hippocampal plasticity are differentially sensitive to the availability of choline in adulthood as a function of choline supply in utero. *Brain Research*, 1237, 153-166. doi.

Wong-Goodrich, S. J. E., Glenn, M. J., Mellott, T. J., Liu, Y. B., Blusztajn, J. K., & Williams, C. L. (2011). Water maze experience and prenatal choline supplementation differentially promote long-term hippocampal recovery from seizures in adulthood. *Hippocampus*, 21(6), 584-608. doi: 10.1002/hipo.20783. <http://dx.doi.org/10.1002/hipo.20783>

Wong-Goodrich, S. J. E., Mellott, T. J., Glenn, M. J., Blusztajn, J. K., & Williams, C. L. (2008). Prenatal choline supplementation attenuates neuropathological response to status epilepticus in the adult rat hippocampus. *Neurobiology of Disease*, 30(2), 255-269. doi.

Wong-Goodrich, S. J. E., Pfau, M. L., Flores, C. T., Fraser, J. A., Williams, C. L., & Jones, L. W. (2010). Voluntary Running Prevents Progressive Memory Decline and Increases Adult Hippocampal Neurogenesis and Growth Factor Expression after Whole-Brain Irradiation. *Cancer Research*, 70(22), 9329-9338. doi: 10.1158/0008-5472.can-10-1854. <http://cancerres.aacrjournals.org/content/70/22/9329.abstract>

Wong-Goodrich, S. J. E., Tognoni, C. M., Mellott, T. J., Glenn, M. J., Blusztajn, J. K., & Williams, C. L. (2011). Prenatal choline deficiency does not enhance hippocampal vulnerability after kainic acid-induced seizures in adulthood. *Brain Research*. doi.

Woo, T. U., Whitehead, R. E., Melchitzky, D. S., & Lewis, D. A. (1998). A subclass of prefrontal γ -aminobutyric acid axon terminals are selectively altered in schizophrenia. *Proceedings of the National Academy of Sciences*, 95(9), 5341-5341. doi.

Woo, T.-U., Whitehead, R. E., Melchitzky, D. S., & Lewis, D. A. (1998). A subclass of prefrontal gamma -aminobutyric acid axon terminals are selectively altered in schizophrenia. *Proceedings of the National Academy of Sciences*, 95(9), 5341-5346. doi: 10.1073/Proceedings of the National Academy of Sciences.95.9.5341. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/95/9/5341>

Wood, M. D., MacEwan, M. R., French, A. R., Moore, A. M., Hunter, D. A., Mackinnon, S. E., . . . Sakiyama-Elbert, S. E. (2010). Fibrin matrices with affinity-based delivery systems and neurotrophic factors promote functional nerve regeneration. *Biotechnology and Bioengineering*, 106(6), 970-979. doi.

Wood, T. C., Simmons, C., Hurley, S. A., Vernon, A. C., Torres, J., Dell'Acqua, F., . . . Cash, D. (2016). Whole-brain ex-vivo quantitative MRI of the cuprizone mouse model. *PeerJ*, 4, e2632. doi. <https://peerj.com/articles/2632/>

Wood, T. E., Barry, J., Yang, Z., Cepeda, C., Levine, M. S., & Gray, M. (2018). Mutant huntingtin reduction in astrocytes slows disease progression in the bachd conditional huntington's disease mouse model. *Human Molecular Genetics*, ddy363-ddy363. doi: 10.1093/hmg/ddy363. <http://dx.doi.org/10.1093/hmg/ddy363>

Woodruff-Pak, D. S. (2006). Stereological estimation of Purkinje neuron number in C57BL/6 mice and its relation to associative learning. *Neuroscience*, 141(1), 233-243. doi.

Woodruff-Pak, D. S., Foy, M. R., Akopian, G. G., Lee, K. H., Zach, J., Nguyen, K. P. T., . . . Thompson, R. F. (2010). Differential effects and rates of normal aging in cerebellum and hippocampus. *Proceedings of the National Academy of Sciences*, 107(4), 1624-1629. doi: 10.1073/Proceedings of the National Academy of Sciences.0914207107. <http://www.Proceedings of the National Academy of Sciences.org/content/107/4/1624.abstract>

Woolley, S. C., O'Malley, B., Lydon, J., & Crews, D. (2006). Genotype differences in behavior and tyrosine hydroxylase expression between wild-type and progesterone receptor knockout mice. *Behavioural Brain Research*, 167(2), 197-204. doi.

Wosiski-Kuhn, M., Erion, J. R., Gomez-Sanchez, E. P., Gomez-Sanchez, C. E., & Stranahan, A. M. (2014). Glucocorticoid receptor activation impairs hippocampal plasticity by suppressing BDNF expression in obese mice. *Psychoneuroendocrinology*, (0). doi: <http://dx.doi.org/10.1016/j.psyneuen.2014.01.020>.
<http://www.sciencedirect.com/science/article/pii/S0306453014000456>

Wozniak, D. F., Hartman, R. E., Boyle, M. P., Vogt, S. K., Brooks, A. R., Tenkova, T., . . . Muglia, L. J. (2004). Apoptotic neurodegeneration induced by ethanol in neonatal mice is associated with profound learning/memory deficits in juveniles followed by progressive functional recovery in adults. *Neurobiology of Disease*, 17(3), 403-414. doi.

Wree, A., Mix, E., Hawlitschka, A., Antipova, V., Witt, M., Schmitt, O., & Benecke, R. (2011). Intrastriatal botulinum toxin abolishes pathologic rotational behaviour and induces axonal varicosities in the 6-OHDA rat model of Parkinson's disease. *Neurobiology of Disease*, 41(2), 291-298. doi.

Wright, A. K., & Arbuthnott, G. W. (2007). The influence of the subthalamic nucleus upon the damage to the dopamine system following lesions of globus pallidus in rats. *European Journal of Neuroscience*, 26(3), 642-648. doi: doi:10.1111/j.1460-9568.2007.05706.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2007.05706.x>

Wright, A. K., Atherton, J. F., Norrie, L., & Arbuthnott, G. W. (2004). Death of dopaminergic neurones in the rat substantia nigra can be induced by damage to globus pallidus. *European Journal of Neuroscience*, 20(7), 1737-1744. doi: doi:10.1111/j.1460-9568.2004.03636.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1460-9568.2004.03636.x>

Wright, A. K., McLaughlin, K. E., Atherton, J. F., Norrie, L., & Arbuthnott, G. W. (2002). Lesions of the rat globus pallidus, which increase subthalamic nucleus activity, cause dopamine cell death. *Advances in Behavioral Biology*, 52(6), 457-464. doi.

Wright, A. K., Miller, C., Williams, M., & Arbuthnott, G. (2008). Microglial activation is not prevented by tacrolimus but dopamine neuron damage is reduced in a rat model of Parkinson's disease progression. *Brain Research*, 1216, 78-86. doi.

Wright, A. L., Zinn, R., Hohensinn, B., Konen, L. M., Beynon, S. B., Tan, R. P., . . . Vissel, B. (2013). Neuroinflammation and Neuronal Loss Precede A β Plaque Deposition in the hAPP-J20 Mouse Model of Alzheimer's Disease. *Plos one*, 8(4), e59586. doi: 10.1371/journal.pone.0059586. <http://dx.doi.org/10.1371%2Fjournal.pone.0059586>

Wright, J., Zhang, G., Yu, T. S., & Kernie, S. G. (2010). Age-related changes in the oligodendrocyte progenitor pool influence brain remodeling after injury. *Developmental Neuroscience*, 32(5-6), 499-509. doi.

Wright, J. L., X Chu, H., Kagan, B. J., Ermine, C. M., Kauhausen, J. A., Parish, C. L., . . . Thompson, L. H. (2018). Local injection of Endothelin-1 in the early neonatal rat brain models ischemic damage associated with motor impairment and diffuse loss in brain volume. *Neuroscience*.

doi: <https://doi.org/10.1016/j.neuroscience.2018.09.043>.
<http://www.sciencedirect.com/science/article/pii/S0306452218306481>

Wu, A. S., Kiaei, M., Aguirre, N., Crow, J. P., Calingasan, N. Y., Browne, S. E., & Beal, M. F. (2003). Iron porphyrin treatment extends survival in a transgenic animal model of amyotrophic lateral sclerosis. *Journal of Neurochemistry*, 85(1), 142-150. doi: doi:10.1046/j.1471-4159.2003.01639.x. <http://www.blackwell-synergy.com/doi/abs/10.1046/j.1471-4159.2003.01639.x>

Wu, D., & Gore, A. C. (2009). Sexual experience changes sex hormones but not hypothalamic steroid hormone receptor expression in young and middle-aged male rats. *Hormones and Behavior*, 56(3), 299-308. doi.

Wu, D., Lin, G., & Gore, A. C. (2009). Age-related changes in hypothalamic androgen receptor and estrogen receptor α in male rats. *Journal of Comparative Neurology*, 512(5), 688-701. doi.

Wu, D., Tang, Y. P., & Wade, J. (2010). Co-localization of Sorting Nexin 2 and androgen receptor in the song system of juvenile zebra finches. *Brain Research*, 1343, 104-111. doi.

Wu, G., Lu, Z. H., Kulkarni, N., Amin, R., & Ledeen, R. W. (2011). Mice lacking major brain gangliosides develop Parkinsonism. *Neurochemical Research*, 1-9. doi.

Wu, H., Fan, J., Zhu, L., Liu, S., Wu, Y., Zhao, T., . . . Fan, M. (2009). Sema4C Expression in Neural Stem/Progenitor Cells and in Adult Neurogenesis Induced by Cerebral Ischemia. *Journal of Molecular Neuroscience*, 39(1), 27-39. doi.

Wu, J., Kharebava, G., Piao, C., Stoica, B. A., Dinizo, M., Sabirzhanov, B., . . . Faden, A. I. (2012). Inhibition of E2F1/CDK1 Pathway Attenuates Neuronal Apoptosis In Vitro and Confers Neuroprotection after Spinal Cord Injury In Vivo. *Plos one*, 7(7), e42129. doi: 10.1371/journal.pone.0042129. <http://dx.doi.org/10.1371/journal.pone.0042129>

Wu, J., Kung, J., Dong, J., Chang, L., Xie, C., Habib, A., . . . Cai, H. (2019). Distinct Connectivity and Functionality of Aldehyde Dehydrogenase 1a1-Positive Nigrostriatal Dopaminergic Neurons in Motor Learning. *Cell Reports*, 28(5), 1167-1181.e1167. doi: <https://doi.org/10.1016/j.celrep.2019.06.095>.
<http://www.sciencedirect.com/science/article/pii/S2211124719308812>

Wu, J., Petralia, R. S., Kurushima, H., Patel, H., Jung, M., Volk, L., . . . others. (2011). Arc/Arg3.1 Regulates an Endosomal Pathway Essential for Activity-Dependent β

-Amyloid Generation. *Cell*, 147(3), 615-628. doi.

Wu, J., Raver, C., Piao, C., Keller, A., & Faden, A. (2013). Cell Cycle Activation Contributes to Increased Neuronal Activity in the Posterior Thalamic Nucleus and Associated Chronic Hyperesthesia after Rat Spinal Cord Contusion. *Neurotherapeutics*, 1-19. doi: 10.1007/s13311-013-0198-1. <http://dx.doi.org/10.1007/s13311-013-0198-1>

Wu, J., Vogel, T., Gao, X., Lin, B., Kulwin, C., & Chen, J. (2018). Neuroprotective effect of dexmedetomidine in a murine model of traumatic brain injury. *Scientific Reports*, 8(1), 4935. doi: 10.1038/s41598-018-23003-3. <https://doi.org/10.1038/s41598-018-23003-3>

Wu, J., Zhao, Z., Kumar, A., Lipinski, M. M., Loane, D. J., Stoica, B. A., & Faden, A. I. (2016). ER stress and disrupted neurogenesis in the brain are associated with cognitive impairment and depressive-like behavior after spinal cord injury. *Journal of Neurotrauma*. doi: 10.1089/neu.2015.4348. <http://dx.doi.org/10.1089/neu.2015.4348>

Wu, J. S., Li, J., Greenman, R. L., Bennett, D., Geisbush, T., & Rutkove, S. B. (2015). Assessment of aged mdx mice by electrical impedance myography and MRI. *Muscle and Nerve*, n/a- n/a. doi: 10.1002/mus.24573. <http://dx.doi.org/10.1002/mus.24573>

Wu, K., Li, S., Bodhinathan, K., Meyers, C., Chen, W., Campbell-Thompson, M., . . . Kumar, A. (2011). Enhanced expression of Pctk1, Tcf12 and Ccnd1 in hippocampus of rats: Impact on cognitive function, synaptic plasticity and pathology. *Neurobiology of Learning and Memory*. doi.

Wu, K. L., Li, Y. Q., Tabassum, A., Lu, W. Y., Aubert, I., & Wong, C. S. (2010). Loss of neuronal protein expression in mouse hippocampus after irradiation. *Journal of Neuropathology and Experimental Neurology*, 69(3), 272-272. doi.

Wu, K. L., Tu, B., Li, Y. Q., & Wong, C. S. (2010). Role of intercellular adhesion molecule-1 in radiation-induced brain injury. *International Journal of Radiation Oncology* Biology* Physics*, 76(1), 220-228. doi.

Wu, R., Chen, H., Ma, J., He, Q., Huang, Q., Liu, Q., . . . Yuan, Z. (2015). c-Abl-p38[alpha] signaling plays an important role in MPTP-induced neuronal death. [Original Paper]. *Cell Death and Differentiation*. doi: 10.1038/cdd.2015.135. <http://dx.doi.org/10.1038/cdd.2015.135>

Wu, Y., Pearce, P. S., Rapuano, A., Hitchens, T. K., de Lanerolle, N. C., & Pan, J. W. (2015). Metabolic changes in early poststatus epilepticus measured by MR spectroscopy in rats. [Original Article]. *Journal of Cerebral Blood Flow and Metabolism*. doi: 10.1038/jcbfm.2015.145. <http://dx.doi.org/10.1038/jcbfm.2015.145>

Wu, Y., Qi, F., Song, D., He, Z., Zuo, Z., Yang, Y., . . . Yao, Z. (2018). Prenatal influenza vaccination rescues impairments of social behavior and lamination in a mouse model of autism. [journal article]. *Journal of neuroinflammation*, 15(1), 228. doi: 10.1186/s12974-018- 1252-z. <https://doi.org/10.1186/s12974-018-1252-z>

Wu, Y., Satkunendrarajah, K., Teng, Y., Chow, D. S.-L., Buttigieg, J., & Fehlings, M. G. (2013). Delayed Post-Injury Administration of Riluzole Is Neuroprotective in a Preclinical Rodent Model of Cervical Spinal Cord Injury. *Journal of Neurotrauma*. doi.

Wu, Y., Zhang, A. Q., Wai, M. S. M., Lai, H. W. L., Wu, S. X., & Yew, D. T. (2006). Changes of apoptosis-related proteins in hippocampus of SAM mouse in development and aging. *Neurobiology of Aging*, 27(5), 782-781. doi.

Wu, Y., Zhang, A. Q., & Yew, D. T. (2005). Age related changes of various markers of astrocytes in senescence-accelerated mice hippocampus. *Neurochemistry International*, 46(7), 565-574. doi:

Wu, Y.-P., Gao, H.-Y., Ouyang, S.-H., Kurihara, H., He, R.-R., & Li, Y.-F. (2019). Predator stress- induced depression is associated with inhibition of hippocampal neurogenesis in adult male mice. [Research Article]. *Neural Regeneration Research*, 14(2), 298-305. doi: 10.4103/1673- 5374.244792. <http://www.nrronline.org/article.asp?issn=1673-5374;year=2019;volume=14;...>

Wulsin, A. C., Herman, J. P., & Danzer, S. C. (2016). RU486 Mitigates Hippocampal Pathology Following Status Epilepticus. [Original Research]. *Frontiers in Neurology*, 7(214). doi: 10.3389/fneur.2016.00214. <http://journal.frontiersin.org/article/10.3389/fneur.2016.00214>

Xenos, D., Kamceva, M., Tomasi, S., Cardin, J. A., Schwartz, M. L., & Vaccarino, F. M. (2017). Loss of TrkB Signaling in Parvalbumin-Expressing Basket Cells Results in Network Activity Disruption and Abnormal Behavior. *Cerebral Cortex*, 1-15. doi: <https://academic.oup.com/cercor/article-abstract/doi/10.1093/cercor/bhx1...>

Xia, B., Chen, C., Zhang, H., Xue, W., Tang, J., Tao, W., . . . Chen, G. (2016). Chronic stress prior to pregnancy potentiated long-lasting postpartum depressive-like behavior, regulated by Akt-mTOR signaling in the hippocampus. [Article]. *Scientific Reports*, 6, 35042. doi: 10.1038/srep35042

<http://www.nature.com/articles/srep35042#supplementary-information>. <http://dx.doi.org/10.1038/srep35042>

Xia, D., Sui, R., & Zhang, Z. (2018). Administration of resveratrol improved Parkinson's disease- like phenotype by suppressing apoptosis of neurons via modulating the MALAT1/miR- 129/SNCA signaling pathway. *Journal of Cellular Biochemistry*, 0(0). doi: doi:10.1002/jcb.27769. <https://onlinelibrary.wiley.com/doi/abs/10.1002/jcb.27769>

Xia, M.-L., Xie, X.-H., Ding, J.-H., Du, R.-H., & Hu, G. (2020). Astragaloside IV inhibits astrocyte senescence: implication in Parkinson's disease. *Journal of neuroinflammation*, 17(1), 105. doi: 10.1186/s12974-020-01791-8. <https://doi.org/10.1186/s12974-020-01791-8>

Xia, M.-X., Ding, X., Qi, J., Jun, G., Gang, H., & Sun, X.-L. (2014). Inhaled budesonide protects against chronic asthma-induced neuroinflammation in mouse brain. *Journal of Neuroimmunology*, (0). doi: <http://dx.doi.org/10.1016/j.jneuroim.2014.06.005>. <http://www.sciencedirect.com/science/article/pii/S0165572814001763>

Xia, Y., Qi, F., Zou, J., Yang, J., & Yao, Z. (2014). Influenza vaccination during early pregnancy contributes to neurogenesis and behavioral function in offspring. *Brain, Behavior, and Immunity*, (0). doi: <http://dx.doi.org/10.1016/j.bbi.2014.06.202>. <http://www.sciencedirect.com/science/article/pii/S0889159114003870>

Xia, Y., Qi, F., Zou, J., & Yao, Z. (2014). Influenza A(H1N1) vaccination during early pregnancy transiently promotes hippocampal neurogenesis and working memory. *Involvement of*

Th1/Th2 balance. Brain Research, (o).

doi: <http://dx.doi.org/10.1016/j.brainres.2014.09.076>.

<http://www.sciencedirect.com/science/article/pii/S0006899314013535>

Xiang, C., Zhang, K. H., Yin, J., Arends, J. J. A., Erzurumlu, R. S., Jacquin, M. F., & Chen, Z. F. (2010). The transcription factor, Lmx1b, is necessary for the development of the principal trigeminal nucleus-based lemniscal pathway. Molecular and Cellular Neuroscience, 44(4), 394-403. doi.

Xiang, J., Yang, H., Zhao, T., Sun, M., Xu, X., Zhou, X.-F., . . . Li, X.-J. (2013). Huntingtin-associated protein 1 regulates postnatal neurogenesis and neurotrophin receptor sorting. The Journal of Clinical Investigation, 124(1), 0-0. doi: 10.1172/jci69206. <http://www.jci.org/articles/view/69206>

Xiao, Q., Yan, P., Ma, X., Liu, H., Perez, R., Zhu, A., . . . Cirrito, J. R. (2014). Enhancing Astrocytic Lysosome Biogenesis Facilitates A β Clearance and Attenuates Amyloid Plaque Pathogenesis. The Journal of Neuroscience, 34(29), 9607-9620. doi. <http://www.jneurosci.org/content/34/29/9607.short>

Xiao, Q., Yan, P., Ma, X., Liu, H., Perez, R., Zhu, A., . . . Ballabio, A. (2015). Neuronal-Targeted TFEB Accelerates Lysosomal Degradation of APP, Reducing A β Generation and Amyloid Plaque Pathogenesis. The Journal of Neuroscience, 35(35), 12137-12151. doi. <http://www.jneurosci.org/content/35/35/12137.short>

Xiao, S., Zhou, D., Luan, P., Gu, B., Feng, L., Fan, S., . . . Liu, J. (2016). Graphene quantum dots conjugated neuroprotective peptide improve learning and memory capability. Biomaterials, 106, 98-110. doi: <http://dx.doi.org/10.1016/j.biomaterials.2016.08.021>. <http://www.sciencedirect.com/science/article/pii/S0142961216304070>

Xie, C., Sun, J., Qiao, W., Lu, D., Wei, L., Na, M., . . . Lin, Z. (2011). Administration of Simvastatin after Kainic Acid-Induced Status Epilepticus Restrains Chronic Temporal Lobe Epilepsy. PLoS ONE, 6(9), e24966-e24966. doi.

Xie, K., Masuho, I., Shih, C.-C., Cao, Y., Sasaki, K., Lai, C. W. J., . . . Martemyanov, K. A. (2015). Stable G protein-effector complexes in striatal neurons: mechanism of assembly and role in neurotransmitter signaling. eLife. doi: 10.7554/eLife.10451. <http://elifesciences.org/elife/early/2015/11/27/eLife.10451.full.pdf>

Xie, L. L., Sun, X. L., Fan, Y., Kong, H., Ding, J. H., & Hu, G. (2009). Aquaporin 4 knockout resists negative regulation of neural cell proliferation by cocaine in mouse hippocampus. International Journal of Neuropsychopharmacology, 12, 843-850. doi.

Xie, X., Crowder, T. L., Yamanaka, A., Morairty, S. R., LeWinter, R. D., Sakurai, T., & Kilduff, T. S. (2006). GABAB receptor-mediated modulation of hypocretin/orexin neurones in mouse hypothalamus. Journal of Physiology, 574, 399-414. doi.

Xie, X., Luo, X., Liu, N., Li, X., Lou, F., Zheng, Y., & Ren, Y. (2017). Monocytes, microglia and CD200-CD200R1 signaling are essential in the transmission of inflammation from the

periphery to the central nervous system. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13972. <http://dx.doi.org/10.1111/jnc.13972>

Xie, Y., Hayden, M. R., & Xu, B. (2010). BDNF Overexpression in the Forebrain Rescues Huntington's Disease Phenotypes in YAC128 Mice. *Journal of Neuroscience*, 30(44), 14708-14718. doi: 10.1523/jneurosci.1637-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/44/14708>

Xie, Y., Meeker, R. B., Massa, S. M., & Longo, F. M. (2019). Modulation of the p75 neurotrophin receptor suppresses age-related basal forebrain cholinergic neuron degeneration. *Scientific Reports*, 9(1), 5273. doi: 10.1038/s41598-019-41654-8. <https://doi.org/10.1038/s41598-019-41654-8>

Xilouri, M., Brekk, O. R., Landeck, N., Pitychoutis, P. M., Papasilekas, T., Papadopoulou-Daifoti, Z., . . . Stefanis, L. (2013). Boosting chaperone-mediated autophagy in vivo mitigates α -synuclein-induced neurodegeneration. *Brain*. doi: 10.1093/brain/awt131. <http://brain.oxfordjournals.org/content/early/2013/06/11/brain.awt131.ab...>

Xiong, M., Chen, L.-X., Ma, S.-M., Yang, Y., & Zhou, W.-H. (2013). Short-Term Effects of Hypothermia on Axonal Injury, Preoligodendrocyte Accumulation and Oligodendrocyte Myelination after Hypoxia-Ischemia in the Hippocampus of Immature Rat Brain. *Developmental Neuroscience*. doi.

Xiong, M., Huang, Y., Liu, Y., Huang, M., Song, G., Ming, Q., . . . Yang, X. (2017). Antidiabetic Activity of Ergosterol from *Pleurotus Ostreatus* in KK-Ay Mice with Spontaneous Type 2 Diabetes Mellitus. *Molecular Nutrition & Food Research*, 1700444-n/a. doi: 10.1002/mnfr.201700444. <http://dx.doi.org/10.1002/mnfr.201700444>

Xiong, M., Ma, S.-M., Shao, X.-M., Yang, Y., & Zhou, W.-H. (2012). Hypoxic ischaemic hypothermia promotes neuronal differentiation and inhibits glial differentiation from newly generated cells in the SGZ of the neonatal rat brain. *Neuroscience Letters*, (0). doi: 10.1016/j.neulet.2012.06.054. <http://www.sciencedirect.com/science/article/pii/S0304394012008622>

Xiong, M., Yang, Y., Chen, G. Q., & Zhou, W. H. (2009). Post-ischemic hypothermia for 24 h in P7 rats rescues hippocampal neuron: association with decreased astrocyte activation and inflammatory cytokine expression. *Brain Research Bulletin*, 79(6), 351-357. doi.

Xiong, M., Zhang, T., Zhang, L. M., Lu, S. D., Huang, Y. L., & Sun, F. Y. (2008). Caspase inhibition attenuates accumulation of [beta]-amyloid by reducing [beta]-secretase production and activity in rat brains after stroke. *Neurobiology of Disease*, 32(3), 433-441. doi.

Xiong, W., Candolfi, M., Kroeger, K. M., Puntel, M., Mondkar, S., Larocque, D., . . . Castro, M. G. (2008). Immunization Against the Transgene but not the TetON Switch Reduces Expression From Gutless Adenoviral Vectors in the Brain. *Molecular Therapy*, 16(2), 343-351. doi. <http://dx.doi.org/10.1038/sj.mt.6300375>

<http://www.nature.com/mt/journal/v16/n2/supinfo/6300375s1.html>

Xiong, Y., Neifert, S., Karuppagounder, S. S., Stankowski, J. N., Lee, B. D., Grima, J. C., . . . Swing, D. (2017). Overexpression of Parkinson's Disease-Associated Mutation LRRK2 G2019S in Mouse Forebrain Induces Behavioral Deficits and α -Synuclein Pathology. *eneuro*, ENEURO.0004-0017.2017.

doi: <http://eneuro.org/content/early/2017/03/06/ENEURO.0004-17.2017>

Xiong, Y.-F., Chen, Q., Chen, J., Zhou, J., & Wang, H.-X. (2011). Melatonin reduces the impairment of axonal transport and axonopathy induced by calyculin A. *Journal of Pineal Research*, 50(3), 319-327. doi: 10.1111/j.1600-

079X.2010.00846.x. <http://dx.doi.org/10.1111/j.1600-079X.2010.00846.x>

Xu, G., Xiong, Z., Yong, Y., Wang, Z., Ke, Z., Xia, Z., & Hu, Y. (2010). Catalpol attenuates MPTP induced neuronal degeneration of nigral-striatal dopaminergic pathway in mice through elevating glial cell derived neurotrophic factor in striatum. *Neuroscience*, 167(1), 174-184. doi.

Xu, H.-T., Han, Z., Gao, P., He, S., Li, Z., Shi, W., . . . Shi, S.-H. (2014). Distinct Lineage-Dependent Structural and Functional Organization of the Hippocampus. *Cell*, 157(7), 1552- 1564.

doi: <http://dx.doi.org/10.1016/j.cell.2014.03.067>.

<http://www.sciencedirect.com/science/article/pii/S0092867414006102>

Xu, J., Eastman, A. J., Flaczyk, A., Neal, L. M., Zhao, G., Carolan, J., . . . Olszewski, M. A. (2016). Disruption of Early Tumor Necrosis Factor Alpha Signaling Prevents Classical Activation of Dendritic Cells in Lung-Associated Lymph Nodes and Development of Protective Immunity against Cryptococcal Infection. *mBio*, 7(4). doi: 10.1128/mBio.00510-

16. <http://mbio.asm.org/content/7/4/e00510-16.abstract>

Xu, L., Nguyen, J. V., Lehar, M., Menon, A., Rha, E., Arena, J., . . . Koliatsos, V. E. (2014). Repetitive mild traumatic brain injury with impact acceleration in the mouse: Multifocal axonopathy, neuroinflammation, and neurodegeneration in the visual system. *Experimental Neurology*, (0).

doi: <http://dx.doi.org/10.1016/j.expneurol.2014.11.004>.

<http://www.sciencedirect.com/science/article/pii/S0014488614003641>

Xu, L., Ryu, J., Hiel, H., Menon, A., Aggarwal, A., Rha, E., . . . Koliatsos, V. E. (2015). Transplantation of human oligodendrocyte progenitor cells in an animal model of diffuse traumatic axonal injury: survival and differentiation. *Stem Cell Research & Therapy*, 6(1), 1. doi.

<http://neuralprogram.com/Neuralprograms,NeuralNetworksinJava,CNeura,Netw...>

Xu, L., Ryu, J., Nguyen, J. V., Arena, J., Rha, E., Vranis, P., . . . Koliatsos, V. E. (2015). Evidence for accelerated tauopathy in the retina of transgenic P301S tau mice exposed to repetitive mild traumatic brain injury. *Experimental Neurology*, 273, 168-176.

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.08.014>.

<http://www.sciencedirect.com/science/article/pii/S0014488615300753>

Xu, L., Yan, J., Chen, D., Welsh, A. M., Hazel, T., Johe, K., . . . Koliatsos, V. E. (2006). Human neural stem cell grafts ameliorate motor neuron disease in SOD-1 transgenic rats. *Transplantation*, 82(7), 865-865. doi.

Xu, M., Li, L., & Pittenger, C. (2016). Ablation of fast-spiking interneurons in the dorsal striatum, recapitulating abnormalities seen post-mortem in Tourette syndrome, produces anxiety and elevated grooming. *Neuroscience*. doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.02.074>. <http://www.sciencedirect.com/science/article/pii/S030645221600227X>

Xu, Q., & Anderson, S. A. (2010). Mapping Lineage Using BAC-Cre Reporter Lines. *Current Protocols in Neuroscience*, 1, 1-1. doi.

Xu, Q., Guo, L., Moore, H., Waclaw, R. R., Campbell, K., & Anderson, S. A. (2010). Sonic hedgehog signaling confers ventral telencephalic progenitors with distinct cortical interneuron fates. *Neuron*, 65(3), 328-340. doi.

Xu, Q., Tam, M., & Anderson, S. A. (2008). Fate mapping Nkx2.1-lineage cells in the mouse telencephalon. *Journal of Comparative Neurology*, 506(1), 16-29. doi.

Xu, Q., Wonders, C. P., & Anderson, S. A. (2005). Sonic hedgehog maintains the identity of cortical interneuron progenitors in the ventral telencephalon. *Development*, 132(22), 4987-4998. doi: 10.1242/dev.02090. <http://dev.biologists.org/cgi/content/abstract/132/22/4987>

Xu, S., Brunden, K. R., Trojanowski, J. Q., & Lee, V. M. (2010). Characterization of tau fibrillization in vitro. *Alzheimers Dement*, 6. doi: 10.1016/j.jalz.2009.06.002. <http://dx.doi.org/10.1016/j.jalz.2009.06.002>

Xu, W. W., Li, B., Guan, X. Y., Chung, S. K., Wang, Y., Yip, Y. L., . . . Cheung, A. L. M. (2017). Cancer cell-secreted IGF2 instigates fibroblasts and bone marrow-derived vascular progenitor cells to promote cancer progression. [Article]. *Nature Communications*, 8, 14399. doi: 10.1038/ncomms14399

<http://www.nature.com/articles/ncomms14399#supplementary-information>. <http://dx.doi.org/10.1038/ncomms14399>

Xu, X., He, X., Ma, S., Li, M., & Huang, Q. (2021). Nurr1 downregulation is caused by CREB inactivation in a Parkinson's disease mouse model. *Neuroscience Letters*, 759, 136045. doi: <https://doi.org/10.1016/j.neulet.2021.136045>. <https://www.sciencedirect.com/science/article/pii/S0304394021004237>

Xu, Y., He, F., Qi, F., Yang, G., Zheng, F., Yang, J., . . . Zou, J. (2017). Remodeling the Th1 polarized systemic environment contributes to neurogenesis and cognitive function via the Wnt7a pathway in neonatal mice. *Neurobiology of Learning and Memory*, 141, 60-71. doi: <http://dx.doi.org/10.1016/j.nlm.2017.03.002>. <http://www.sciencedirect.com/science/article/pii/S1074742717300345>

Xuan, Q., Xu, S. L., Lu, D. H., Yu, S., Zhou, M., Ueda, K., . . . Chan, P. (2011). Increase expression of α -synuclein in aged human brain associated with neuromelanin accumulation. *Journal of Neural Transmission*, 1-9. doi.

Xuan, W., Pan, R., Wei, Y., Cao, Y., Li, H., Liang, F.-S., . . . Wang, W. (2015). Reaction-Based "Off-On" Fluorescent Probe Enabling Detection of Endogenous Labile Fe²⁺ and Imaging of Zn²⁺-induced Fe²⁺ Flux in Living Cells and Elevated Fe²⁺ in Ischemic Stroke. *Bioconjugate Chemistry*. doi: 10.1021/acs.bioconjchem.5b00259. <http://dx.doi.org/10.1021/acs.bioconjchem.5b00259>

Y, F. Y., J, J. A., Ellen, O., J, d. J. F. J., W, v. D. A. M., M, R. A. J., & J, v. d. B. W. D. (2018). Differential Insular Cortex sub-regional vulnerability to α -synuclein pathology in Parkinson's disease and Dementia with Lewy bodies. *Neuropathology and Applied Neurobiology*, 0(ja). doi: doi:10.1111/nan.12501. <https://onlinelibrary.wiley.com/doi/abs/10.1111/nan.12501>

Yahyazadeh, A., Altunkaynak, B. Z., & Kaplan, S. (2019). Biochemical, immunohistochemical and morphometrical investigation of the effect of thymoquinone on the rat testis following exposure to a 900-MHz electromagnetic field. *Acta Histochemica*, 151467. doi: <https://doi.org/10.1016/j.acthis.2019.151467>. <http://www.sciencedirect.com/science/article/pii/S0065128119304532>

Yakkioui, Y., Temel, Y., Creyten, D., Jahanshahi, A., Fleischeuer, R., Santegoeds, R. G. C., & Van Overbeeke, J. J. (2013). A comparison of cell-cycle markers in skull base and sacral chordomas. *World Neurosurgery*, (0). doi: <http://dx.doi.org/10.1016/j.wneu.2013.01.131>. <http://www.sciencedirect.com/science/article/pii/S1878875013003197>

Yalcin-Ulker, G. M., Cumbul, A., Duygu-Capar, G., Uslu, Ü., & Sencift, K. (2017). Preventive Effect of Phosphodiesterase Inhibitor Pentoxifylline against Medication-Related Osteonecrosis of the Jaw: An Animal Study. *Journal of Oral and Maxillofacial Surgery*. doi: <https://doi.org/10.1016/j.joms.2017.04.017>. <http://www.sciencedirect.com/science/article/pii/S0278239117304731>

Yamada, E. S., Respondek, G., Müssner, S., de Andrade, A., Höllerhage, M., Depienne, C., . . . Höglinger, G. U. (2014). Annonacin, a natural lipophilic mitochondrial complex I inhibitor, increases phosphorylation of tau in the brain of FTDP-17 transgenic mice. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2013.12.017>. <http://www.sciencedirect.com/science/article/pii/S001448861300383X>

Yamada, M., Clark, J., McClelland, C., Capaldo, E., Ray, A., & Iulianella, A. (2014). Cux2 activity defines a subpopulation of perinatal neurogenic progenitors in the hippocampus. *Hippocampus*, n/a-n/a. doi: 10.1002/hipo.22370. <http://dx.doi.org/10.1002/hipo.22370>

Yamada, M., Udagawa, J., Matsumoto, A., Hashimoto, R., Hatta, T., Nishita, M., . . . Otani, H. (2010). Ror2 is required for midgut elongation during mouse development. *Developmental Dynamics*, 239(3), 941-953. doi: 10.1002/dvdy.22370

Yamada, R., Okuda, H., Kuba, H., Nishino, E., Ishii, T. M., & Ohmori, H. (2013). The Cooperation of Sustained and Phasic Inhibitions Increases the Contrast of ITD-Tuning in Low-Frequency Neurons of the Chick Nucleus Laminaris. *Journal of Neuroscience*, 33(9), 3927-3938. doi: 10.1523/jneurosci.2377-12.2013. <http://www.jneurosci.org/content/33/9/3927.abstract>

Yamaguchi, S., Abe, Y., Maejima, S., & Tsukahara, S. (2018). Sexual experience reduces neuronal activity in the central part of the medial preoptic nucleus in male rats during sexual behavior. *Neuroscience Letters*, 685, 155-159.

doi: <https://doi.org/10.1016/j.neulet.2018.08.037>.

<http://www.sciencedirect.com/science/article/pii/S0304394018305822>

Yamamoto, Y., Hase, Y., Ihara, M., Khundakar, A., Roeber, S., Duering, M., & Kalaria, R. N. (2020). Neuronal Densities and Vascular Pathology in the Hippocampal Formation in CADASIL. *Neurobiology of Aging*.

doi: <https://doi.org/10.1016/j.neurobiolaging.2020.09.016>.

<http://www.sciencedirect.com/science/article/pii/S0197458020302931>

Yamanaka, J. S., Yanagihara, G. R., Carlos, B. L., Ramos, J., Brancalion, B. B., Macedo, A. P., . . . Shimano, A. C. (2017). A high-fat diet can affect bone healing in growing rats. [journal article]. *Journal of Bone and Mineral Metabolism*, 1-9. doi: 10.1007/s00774-017-0837-

4. <http://dx.doi.org/10.1007/s00774-017-0837-4>

Yamasaki, T. R., Blurton-Jones, M., Morrisette, D. A., Kitazawa, M., Oddo, S., & LaFerla, F. M. (2007). Neural Stem Cells Improve Memory in an Inducible Mouse Model of Neuronal Loss. *Journal of Neuroscience*, 27(44), 11925-11933. doi: 10.1523/jneurosci.1627-

07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/44/11925>

Yamawaki, R., Thind, K., & Buckmaster, P. S. (2014). Blockade of excitatory synaptogenesis with proximal dendrites of dentate granule cells following rapamycin treatment in a mouse model of temporal lobe epilepsy. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23681. <http://dx.doi.org/10.1002/cne.23681>

Yan, H., Mitschelen, M., Toth, P., Ashpole, N. M., Farley, J. A., Hodges, E. L., . . . Sonntag, W. E. (2014). Endothelin-1-Induced Focal Cerebral Ischemia in the Growth Hormone/IGF-1 Deficient Lewis Dwarf Rat. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. doi:

10.1093/gerona/glu118. <http://biomedgerontology.oxfordjournals.org/content/early/2014/08/05/ger..>

Yan, H., Pang, P., Chen, W., Zhu, H., Henok, K. A., Li, H., . . . Lu, Y. (2017). The Lesion Analysis of Cholinergic Neurons in 5XFAD Mouse Model in the Three-Dimensional Level of Whole Brain. [journal article]. *Molecular Neurobiology*, 1-11. doi: 10.1007/s12035-017-0621-

4. <http://dx.doi.org/10.1007/s12035-017-0621-4>

Yan, J., Welsh, A. M., Bora, S. H., Snyder, E. Y., & Koliatsos, V. E. (2004). Differentiation and tropic/trophic effects of exogenous neural precursors in the adult spinal cord. *Journal of Comparative Neurology*, 480(1), 101-114. doi.

Yan, J., Xu, L., Welsh, A. M., Hatfield, G., Hazel, T., Johe, K., & Koliatsos, V. E. (2007). Extensive Neuronal Differentiation of Human Neural Stem Cell Grafts in Adult Rat Spinal Cord. *PLoS Medicine*, 4(2), e39. doi.

<http://dx.doi.org/10.1371/journal.pmed.0040039>

Yan, L., Findlay, G. M., Jones, R., Procter, J., Cao, Y., & Lamb, R. F. (2006).

Hyperactivation of mammalian target of rapamycin (mTOR) signaling by a gain-of-function mutant of the Rheb

GTPase. *Journal of Biological Chemistry*, 281. doi: 10.1074/jbc.C600028200. <http://dx.doi.org/10.1074/jbc.C600028200>

Yan, S., Tu, Z., Liu, Z., Fan, N., Yang, H., Yang, S., . . . Li, X.-J. (2018). A Huntingtin Knockin Pig Model Recapitulates Features of Selective Neurodegeneration in Huntington's Disease. *Cell*. doi: <https://doi.org/10.1016/j.cell.2018.03.005>. <https://www.sciencedirect.com/science/article/pii/S009286741830285X>

Yan, W., Chen, Z.-Y., Chen, J.-Q., & Chen, H.-M. (2018). LncRNA NEAT1 promotes autophagy in MPTP-induced Parkinson's disease through stabilizing PINK1 protein. *Biochemical and Biophysical Research Communications*. doi: <https://doi.org/10.1016/j.bbrc.2017.12.149>. <https://www.sciencedirect.com/science/article/pii/S0006291X17325512>

Yang, C., Wang, H., Qiao, T., Yang, B., Aliaga, L., Qiu, L., . . . Xu, Z. (2014). Partial loss of TDP-43 function causes phenotypes of amyotrophic lateral sclerosis. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1322641111. <http://www.pnas.org/content/early/2014/03/05/1322641111.abstract>

Yang, C., Yang, W.-H., Chen, S.-S., Ma, B.-F., Li, B., Lu, T., . . . Duan, W.-M. (2013). Pre-immunization with an Intramuscular Injection of AAV9-Human Erythropoietin Vectors Reduces the Vector-Mediated Transduction following Re-Administration in Rat Brain. *Plos one*, 8(5), e63876. doi: 10.1371/journal.pone.0063876. <http://dx.doi.org/10.1371/journal.pone.0063876>

Yang, C.-P., Gilley, J. A., Zhang, G., & Kernie, S. G. (2011). ApoE is required for maintenance of the dentate gyrus neural progenitor pool. *Development*, 138(20), 4351-4362. doi: 10.1242/dev.065540. <http://dev.biologists.org/content/138/20/4351.abstract>

Yang, G., Meng, Y., Li, W., Yong, Y., Fan, Z., Ding, H., . . . Ke, Z. J. (2010). Neuronal MCP-1 Mediates Microglia Recruitment and Neurodegeneration Induced by the Mild Impairment of Oxidative Metabolism. *Brain Pathology*, no-no. doi: 10.1111/j.1750-3639.2010.00445.x. <http://dx.doi.org/10.1111/j.1750-3639.2010.00445.x>

Yang, H., Lu, P., McKay, H. M., Bernot, T., Keirstead, H., Steward, O., . . . Tuszynski, M. H. (2006). Endogenous Neurogenesis Replaces Oligodendrocytes and Astrocytes after Primate Spinal Cord Injury. *Journal of Neuroscience*, 26(8), 2157-2166. doi: 10.1523/jneurosci.4070-05.2005. <http://www.jneurosci.org/cgi/content/abstract/26/8/2157>

Yang, H., Wen, S. R., Zhang, G. W., Wang, T. G., Hu, F. X., Li, X. L., & Wang, D. S. (2011). Effects of Chinese herbal medicine Fuzhisan on autologous neural stem cells in the brain of SAMP- 8 mice. *Experimental Gerontology*. doi.

Yang, J., Kim, K. S., Iyirhiaro, G. O., Marcogliese, P. C., Callaghan, S. M., Qu, D., . . . Park, D. S. (2019). DJ-1 modulates the unfolded protein response and cell death via upregulation of ATF4 following ER stress. *Cell death & disease*, 10(2), 135. doi: 10.1038/s41419-019-1354-2. <https://doi.org/10.1038/s41419-019-1354-2>

Yang, J., Qi, F., Gu, H., Zou, J., Yang, Y., Yuan, Q., & Yao, Z. (2016). Neonatal BCG vaccination of mice improves neurogenesis and behavior in early life. *Brain Research Bulletin*, 120, 25-33. doi: <http://dx.doi.org/10.1016/j.brainresbull.2015.10.012>.
<http://www.sciencedirect.com/science/article/pii/S0361923015300514>

Yang, J., Qi, F., Yang, Y., Yuan, Q., Zou, J., Guo, K., & Yao, Z. (2016). Neonatal hepatitis B vaccination impaired the behavior and neurogenesis of mice transiently in early adulthood. *Psychoneuroendocrinology*, 73, 166-176. doi: <http://dx.doi.org/10.1016/j.psyneuen.2016.08.002>. <http://www.sciencedirect.com/science/article/pii/S0306453016305145>

Yang, J., Qi, F., & Yao, Z. (2016). Neonatal Bacillus Calmette-Guérin vaccination alleviates lipopolysaccharide-induced neurobehavioral impairments and neuroinflammation in adult mice. *Molecular Medicine Reports*, 14(2), 1574-1586. doi: <https://www.spandidos-publications.com/10.3892/mmr.2016.5425>

Yang, J., Sanderson, N. S. R., Wawrowsky, K., Puntel, M., Castro, M. G., & Lowenstein, P. R. (2010). Kupfer-type immunological synapse characteristics do not predict anti-brain tumor cytolytic T-cell function in vivo. *Proceedings of the National Academy of Sciences*. doi: 10.1073/Proceedings of the National Academy of Sciences.0911587107. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2009/12/29/0911587107.abstract>

Yang, J.-W., Prouvot, P.-H., Reyes-Puerta, V., Stüttgen, M. C., Stroh, A., & Luhmann, H. J. (2017). Optogenetic Modulation of a Minor Fraction of Parvalbumin-Positive Interneurons Specifically Affects Spatiotemporal Dynamics of Spontaneous and Sensory-Evoked Activity in Mouse Somatosensory Cortex in Vivo. *Cerebral Cortex*, 1-20. doi: 10.1093/cercor/bhx261. <http://dx.doi.org/10.1093/cercor/bhx261>

Yang, L., Calingasan, N. Y., Chen, J., Ley, J. J., Becker, D. A., & Beal, M. F. (2005). A novel azulenyl nitron antioxidant protects against MPTP and 3-nitropropionic acid neurotoxicities. *Experimental Neurology*, 191(1), 86-93. doi.

Yang, L., Calingasan, N. Y., Thomas, B., Chaturvedi, R. K., Kiaei, M., Wille, E. J., . . . others. (2009). Neuroprotective effects of the triterpenoid, CDDO methyl amide, a potent inducer of Nrf2-mediated transcription. *PLoS ONE*, 4(6), e5757-e5757. doi.

Yang, L., Calingasan, N. Y., Wille, E. J., Cormier, K., Smith, K., Ferrante, R. J., & Flint Beal, M. (2009). Combination therapy with coenzyme Q10 and creatine produces additive neuroprotective effects in models of Parkinson's and Huntington's diseases. *Journal of Neurochemistry*, 109(5), 1427-1439. doi.

Yang, L., Shi, Q., Ho, D. J., Starkov, A. A., Wille, E. J., Xu, H., . . . others. (2009). Mice deficient in dihydrolipoyl succinyl transferase show increased vulnerability to mitochondrial toxins. *Neurobiology of Disease*, 36(2), 320-330. doi.

Yang, L., Zhao, K., Calingasan, N. Y., Luo, G., Szeto, H. H., & Beal, M. F. (2009). Mitochondria targeted peptides protect against 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine neurotoxicity. *Antioxidants and redox signaling*, 11(9), 2095-2104. doi.

Yang, S., Cacquevel, M., Saksida, L. M., Bussey, T. J., Schneider, B. L., Aebischer, P., . . . Spillantini, M. G. (2014). Perineuronal net digestion with chondroitinase restores memory in mice with tau pathology. *Experimental Neurology*, (0). doi: <http://dx.doi.org/10.1016/j.expneurol.2014.11.013>. <http://www.sciencedirect.com/science/article/pii/S0014488614003835>

Yang, T., Liu, H., Tran, K. C., Leng, A., Massa, S. M., & Longo, F. M. (2020). Small-molecule modulation of the p75 neurotrophin receptor inhibits a wide range of tau molecular pathologies and their sequelae in P301S tauopathy mice. *Acta Neuropathologica Communications*, 8(1), 156. doi: 10.1186/s40478-020-01034-0. <https://doi.org/10.1186/s40478-020-01034-0>

Yang, W. M., Shim, K. J., Choi, M. J., Park, S. Y., Choi, B. J., Chang, M. S., & Park, S. K. (2008). Novel effects of *Nelumbo nucifera* rhizome extract on memory and neurogenesis in the dentate gyrus of the rat hippocampus. *Neuroscience Letters*, 443(2), 104-107. doi.

Yang, X., Yang, Y., Li, G., Wang, J., & Yang, E. S. (2008). Coenzyme Q10 Attenuates β -Amyloid Pathology in the Aged Transgenic Mice with Alzheimer Presenilin 1 Mutation. *Journal of Molecular Neuroscience*, 34(2), 165-171. doi.

Yang, Y., Aloji, M. S., Cudaback, E., Josephsen, S. R., Rice, S. J., Jorstad, N. L., . . . Montine, T. J. (2014). Wild-type bone marrow transplant partially reverses neuroinflammation in progranulin-deficient mice. [Research Article]. *Laboratory Investigation*. doi: 10.1038/labinvest.2014.113. <http://dx.doi.org/10.1038/labinvest.2014.113>

Yang, Y., Cudaback, E., Jorstad, N. L., Hemingway, J. F., Hagan, C. E., Melief, E. J., . . . Keene, C. D. (2013). APOE3, but Not APOE4, Bone Marrow Transplantation Mitigates Behavioral and Pathological Changes in a Mouse Model of Alzheimer Disease. *American journal of pathology*, (0). doi: <http://dx.doi.org/10.1016/j.ajpath.2013.05.009>. <http://www.sciencedirect.com/science/article/pii/S0002944013003957>

Yang, Y., Fung, S. J., Rothwell, A., Tianmei, S., & Weickert, C. S. (2011). Increased interstitial white matter neuron density in the dorsolateral prefrontal cortex of people with schizophrenia. *Biological Psychiatry*, 69(1), 63-70. doi.

Yang, Y., Jalal, F. Y., Thompson, J. F., Walker, E. J., Candelario-Jalil, E., Li, L., . . . others. (2011). Tissue inhibitor of metalloproteinases-3 mediates the death of immature oligodendrocytes via TNF- α /TACE in focal cerebral ischemia in mice. *Journal of neuroinflammation*, 8(1), 108-108. doi.

Yang, Y., Jorstad, N. L., Shiao, C., Cherne, M. K., Khademi, S. B., Montine, K. S., . . . Keene, C. D. (2013). Perivascular, but not parenchymal, cerebral engraftment of donor cells after non- myeloablative bone marrow transplantation. *Experimental and Molecular Pathology*, (0). doi: <http://dx.doi.org/10.1016/j.yexmp.2013.03.010>. <http://www.sciencedirect.com/science/article/pii/S0014480013000488>

Yang, Y., Shiao, C., Hemingway, J. F., Jorstad, N. L., Shalloway, B. R., Chang, R., & Keene, C. D. (2013). Suppressed Retinal Degeneration in Aged Wild Type and APP^{swe}/PS1^{A9} Mice by

Bone Marrow Transplantation. Plos one, 8(6), e64246. doi: 10.1371/journal.pone.0064246. <http://dx.doi.org/10.1371%2Fjournal.pone.0064246>

Yang, Y., Yang, X.-F., Wang, Y.-P., Tian, Q., Wang, X.-C., Li, H.-L., . . . Wang, J.-Z. (2007). Inhibition of protein phosphatases induces transport deficits and axonopathy. *Journal of Neurochemistry*, 102(3), 878-886. doi: doi:10.1111/j.1471-4159.2007.04603.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2007.04603.x>

Yang, Y. J., Zhang, S., Ding, J. H., Zhou, F., & Hu, G. (2009). Iptakalim protects against MPP+-induced degeneration of dopaminergic neurons in association with astrocyte activation. *Int J Neuropsychopharmacol*, 12. doi: 10.1017/S1461145708009243. <http://dx.doi.org/10.1017/S1461145708009243>

Yang, Z., Covey, M. V., Bitel, C. L., Ni, L., Jonakait, G. M., & Levison, S. W. (2007). Sustained neocortical neurogenesis after neonatal hypoxic/ischemic injury. *Annals of Neurology*, 61(3), 199-208. doi.

Yang, Z., Jiang, Y., Grandys, T., Mark, I., Levison, S. W., & others. (2007). 17 β -Estradiol protects the neonatal brain from hypoxia-ischemia. *Experimental Neurology*, 208(2), 269-276. doi.

Yang, Z., & Joyner, A. L. (2019). YAP1 is involved in replenishment of granule cell precursors following injury to the neonatal cerebellum. *Developmental Biology*. doi: <https://doi.org/10.1016/j.ydbio.2019.07.018>. <http://www.sciencedirect.com/science/article/pii/S0012160619302076>

Yang, Z.-J., Wang, B., Kwansa, H., Heitmiller, K. D., Hong, G., Carter, E. L., . . . Koehler, R. C. (2013). Adenosine A2A receptor contributes to ischemic brain damage in newborn piglet. *Journal of Cerebral Blood Flow and Metabolism*. doi: <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2013117a.html>

Yao, H., Ma, R., Yang, L., Hu, G., Chen, X., Duan, M., . . . Fu, M. (2014). MiR-9 promotes microglial activation by targeting MCP1. *Nature Communications*, 5. doi: <http://www.nature.com/ncomms/2014/140714/ncomms5386/full/ncomms5386.html>

Yao, L., Agoulrik, A. I., Cooke, P. S., Meling, D. D., & Sherwood, O. D. (2008). Relaxin acts on stromal cells to promote epithelial and stromal proliferation and inhibit apoptosis in the mouse cervix and vagina. *Endocrinology*, 149(5), 2072. doi: 10.1210/en.2007-1176. <http://endo.endojournals.org/cgi/content/abstract/en.2007-1176v1>

Yao, L. J., Cooke, P. S., Meling, D. D., Shanks, R. D., Jameson, J. L., & Sherwood, O. D. (2010). The effect of relaxin on cell proliferation in mouse cervix requires estrogen receptor α binding to estrogen response elements in stromal cells. *Endocrinology*, 151(6), 2811-2811. doi.

Yao, N., Wu, Y., Zhou, Y., Ju, L., Liu, Y., Ju, R., . . . Xu, Q. (2015). Lesion of the locus coeruleus aggravates dopaminergic neuron degeneration by modulating microglial function in mouse models of Parkinson's disease. *Brain Research*.

doi: <http://dx.doi.org/10.1016/j.brainres.2015.08.032>.
<http://www.sciencedirect.com/science/article/pii/S0006899315006757>

Yap, W. N., Zaiden, N., Luk, S. Y., Lee, D. T. W., Ling, M. T., Wong, Y. C., & Yap, Y. L. (2010). In vivo evidence of γ -tocotrienol as a chemosensitizer in the treatment of hormone-refractory prostate cancer. *Pharmacology*, 85(4), 248-258. doi.

Yaprak, O., Guler, N., Altaca, G., Dayangac, M., Demirbas, T., Akyildiz, M., . . . Yuzer, Y. (2012). Ratio of remnant to total liver volume or remnant to body weight: which one is more predictive on donor outcomes? *HPB*, 14(7), 476-482. doi.

Yarchoan, M., & Arnold, S. E. (2014). Repurposing diabetes drugs for brain insulin resistance in Alzheimer disease. *Diabetes*, 63. doi: 10.2337/db14-0287.
<http://dx.doi.org/10.2337/db14-0287>

Yarchoan, M., Toledo, J. B., Lee, E. B., Arvanitakis, Z., Kazi, H., & Han, L. Y. (2014). Abnormal serine phosphorylation of insulin receptor substrate 1 is associated with tau pathology in Alzheimer's disease and tauopathies. *Acta Neuropathol*, 128. doi: 10.1007/s00401-014-1328-5.
[5. http://dx.doi.org/10.1007/s00401-014-1328-5](http://dx.doi.org/10.1007/s00401-014-1328-5)

Yates, A. G., Jogia, T., Gillespie, E. R., Couch, Y., Ruitenber, M. J., & Anthony, D. C. (2021). Acute IL-1RA treatment suppresses the peripheral and central inflammatory response to spinal cord injury. *Journal of neuroinflammation*, 18(1), 15. doi: 10.1186/s12974-020-02050-02050-6.
[6. https://doi.org/10.1186/s12974-020-02050-6](https://doi.org/10.1186/s12974-020-02050-6)

Yates, M. A., Markham, J. A., Anderson, S. E., Morris, J. R., & Juraska, J. M. (2008). Regional variability in age-related loss of neurons from the primary visual cortex and medial prefrontal cortex of male and female rats. *Brain Research*, 1218, 1-12. doi.

Yau, S. Y., Lau, B. W. M., Tong, J. B., Wong, R., Ching, Y. P., Qiu, G., . . . So, K. F. (2011). Hippocampal neurogenesis and dendritic plasticity support running-improved spatial learning and depression-like behaviour in stressed rats. *PLoS ONE*, 6(9), e24263-e24263. doi.

Yau, S.-Y., Lau, B. W.-M., Zhang, E.-D., Lee, J. C.-D., Li, A., Lee, T. M. C., . . . So, K.-F. (2012). Effects of Voluntary Running on Plasma Levels of Neurotrophins, Hippocampal Cell Proliferation and Learning and Memory in Stressed Rats. *Neuroscience*, (0). doi: 10.1016/j.neuroscience.2012.07.019.
<http://www.sciencedirect.com/science/article/pii/S0306452212007269?v=s5>

Yau, S.-Y., Li, A., Zhang, E.-D., Christie, B. R., Xu, A., Lee, T. M. C., & So, K.-F. (2014). Sustained Running in Rats Administered Corticosterone Prevents the Development of Depressive Behaviors and Enhances Hippocampal Neurogenesis and Synaptic Plasticity Without Increasing Neurotrophic Factor Levels. *Cell Transplantation*, 23(4-5), 481-492. doi: 10.3727/096368914x678490.
<http://www.ingentaconnect.com/content/cog/ct/2014/00000023/Foo20004/arto...>

<http://dx.doi.org/10.3727/096368914X678490>

Yavan, M. A., Kaya, S., Kervancioglu, P., & Kocahan, S. (2020). Evaluation of effects of a modified asymmetric rapid maxillary expansion appliance on the upper airway volume by cone beam computed tomography. *Journal of Dental Sciences*. doi: <https://doi.org/10.1016/j.jds.2020.05.019>.
<http://www.sciencedirect.com/science/article/pii/S1991790220301136>

Yazdani, U., German, D. C., Liang, C.-L., Manzano, L., Sonsalla, P. K., & Zeevalk, G. D. (2006). Rat model of Parkinson's disease: Chronic central delivery of 1-methyl-4-phenylpyridinium (MPP⁺). *Experimental Neurology*, 200(1), 172-183. doi.

Ye, L., Hamaguchi, T., Fritsch, S. K., Eisele, Y. S., Obermüller, U., Jucker, M., & Walker, L. C. (2015). Progression of seed-induced A β deposition within the limbic connectome. *Brain Pathology*, n/a-n/a. doi: 10.1111/bpa.12252. <http://dx.doi.org/10.1111/bpa.12252>

Ye, P., Kollias, G., & D'Ercole, A. J. (2007). Insulin-like Growth Factor (IGF)-I Ameliorates Demyelination Induced By Tumor Necrosis Factor (TNF)- α In Transgenic Mice. *Journal of Neuroscience*, 85(4), 712-722. doi.

Ye, P., Kollias, G., & D'Ercole, A. J. (2007). Insulin-like growth factor-I ameliorates demyelination induced by tumor necrosis factor- α in transgenic mice. *Journal of Neuroscience Research*, 85(4), 712-722. doi.

Ye, P., Popken, G. J., Kemper, A., McCarthy, K., Popko, B., & D'Ercole, A. J. (2004). Astrocyte- specific overexpression of insulin-like growth factor-I promotes brain overgrowth and glial fibrillary acidic protein expression. *Journal of Neuroscience Research*, 78(4), 472-484. doi.

Ye, W., Pitlock, M. D., Javors, M. A., Thompson, B., Lechleiter, J. D., & Hensler, J. G. (2018). The long-term effect of maternal dietary protein restriction on 5-HT_{1A} receptor function and behavioral responses to stress in adulthood. *Behavioural Brain Research*. doi: <https://doi.org/10.1016/j.bbr.2018.03.038>.
<https://www.sciencedirect.com/science/article/pii/S0166432818300068>

Ye, W., Xie, L., Li, C., Nathanielsz, P. W., & Thompson, B. J. (2014). Impaired development of fetal serotonergic neurons in intrauterine growth restricted baboons. *Journal of Medical Primatology*, n/a-n/a. doi: 10.1111/jmp.12116.
<http://dx.doi.org/10.1111/jmp.12116>

Ye, Y., He, X., Lu, F., Mao, H., Zhu, Z., Yao, L., . . . Zhang, S. (2018). A lincRNA-p21/miR-181 family feedback loop regulates microglial activation during systemic LPS- and MPTP-induced neuroinflammation. *Cell death & disease*, 9(8), 803. doi: 10.1038/s41419-018-0821-5.
5. <https://doi.org/10.1038/s41419-018-0821-5>

Yegin, B., & Ulupinar, E. (2018). Effects of Maternal and Postweaning High-Fat Diet Exposure on the Hippocampal Functions and Morphology. *International Journal of Morphology*, 36, 1108-1117. doi.
https://scielo.conicyt.cl/scielo.php?script=sci_arttext&pid=S0717-950220...

Yelkenli, İ. H., Ulupinar, E., Korkmaz, O. T., Şener, E., Kuş, G., Filiz, Z., & Tunçel, N. (2016). Modulation of Corpus Striatum Neurochemistry by Astrocytes and Vasoactive Intestinal Peptide (VIP) in Parkinsonian Rats. [journal article]. *Journal of Molecular Neuroscience*, 1-10. doi: 10.1007/s12031-016-0757-0. <http://dx.doi.org/10.1007/s12031-016-0757-0>

Yellajoshiyula, D., Liang, C.-C., Pappas, S. S., Penati, S., Yang, A., Mecano, R., . . . Dauer, W. T. (2017). The DYT6 Dystonia Protein THAP1 Regulates Myelination within the Oligodendrocyte Lineage. *Developmental Cell*, 42(1), 52-67.e54. doi: <https://doi.org/10.1016/j.devcel.2017.06.009>. <http://www.sciencedirect.com/science/article/pii/S1534580717304653>

Yetnikoff, L., Reichard, R. A., Schwartz, Z. M., Parsely, K. P., & Zahm, D. S. (2013). Protracted maturation of forebrain afferent connections of the ventral tegmental area in the rat. *Journal of Comparative Neurology*, n/a-n/a. doi: 10.1002/cne.23459. <http://dx.doi.org/10.1002/cne.23459>

Yeung, S. T., Myczek, K., Kang, A. P., Chabrier, M. A., Baglietto-Vargas, D., & LaFerla, F. M. (2013). Impact of hippocampal neuronal ablation on neurogenesis and cognition in the aged brain. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.11.054>. <http://www.sciencedirect.com/science/article/pii/S0306452213010014>

Yiğit, U., Erdenöz, S., Uslu, Ü., Oba, E., Cumbul, A., Çağatay, H., . . . Eskicoğlu, E. (2011). An immunohistochemical analysis of the neuroprotective effects of memantine, hyperbaric oxygen therapy, and brimonidine after acute ischemia reperfusion injury. *Molecular Vision*, 17, 1024-1024. doi.

Yildirim, A., Ersoy, Y., Ercan, F., Atukeren, P., Gumustas, K., Uslu, U., & Alican, I. (2010). Phosphodiesterase-5 inhibition by sildenafil citrate in a rat model of bleomycin-induced lung fibrosis. *Pulmonary Pharmacology and Therapeutics*, 23(3), 215-221. doi.

Yildirim, M., Mapp, O. M., Janssen, W. G. M., Yin, W., Morrison, J. H., & Gore, A. C. (2008). Postpubertal decrease in hippocampal dendritic spines of female rats. *Experimental Neurology*, 210(2), 339-348. doi.

Yilmaz, D., Dogan, N., Ozkan, A., Sencimen, M., Ora, B. E., & Mutlu, I. (2014). Effect of platelet rich fibrin and beta tricalcium phosphate on bone healing. A histological study in pigs. *Acta Cirurgica Brasileira*, 29, 59-65. doi. http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-86502014000...

Yin, D.-M., Chen, Y.-J., Lu, Y.-S., Bean, J. C., Sathyamurthy, A., Shen, C., . . . Xiong, W.-C. (2013). Reversal of Behavioral Deficits and Synaptic Dysfunction in Mice Overexpressing Neuregulin 1. *Neuron*, 78(4), 644-657. doi. <http://www.sciencedirect.com/science/article/pii/S0896627313002754?np=y>

Yin, F., Banerjee, R., Thomas, B., Zhou, P., Qian, L., Jia, T., . . . Ding, A. (2009). Exaggerated inflammation, impaired host defense, and neuropathology in progranulin-deficient mice. *Journal of Experimental Medicine*, 207(1), 117-128. doi: 10.1084/jem.20091568. <http://jem.rupress.org/cgi/content/abstract/jem.20091568v2>

Yin, L., Lu, L., Prasad, K., Richfield, E. K., Unger, E. L., Xu, J., & Jones, B. C. (2011). Genetic- based, differential susceptibility to paraquat neurotoxicity in mice. *Neurotoxicology and Teratology*. doi.

Yip, Y. P., Rinaman, L., Capriotti, C., & Yip, J. W. (2003). Ectopic sympathetic preganglionic neurons maintain proper connectivity in the reeler mutant mouse. *Neuroscience*, 118(2), 439-450. doi.

Yiu, A. P., Rashid, A. J., & Josselyn, S. A. (2011). Increasing CREB Function in the CA1 Region of Dorsal Hippocampus Rescues the Spatial Memory Deficits in a Mouse Model of Alzheimer's Disease. *Neuropsychopharmacology*. doi: <http://www.nature.com/npp/journal/vaop/ncurrent/suppinfo/npp2011107s1.html>. <http://dx.doi.org/10.1038/npp.2011.107>

Yoder, R. M., & Pang, K. C. H. (2005). Involvement of GABAergic and cholinergic medial septal neurons in hippocampal theta rhythm. *Hippocampus*, 15(3), 381-392. doi.

Yokobori, S., Gajavelli, S., Mondello, S., Mo-Seaney, J., Bramlett, H. M., Dietrich, W. D., & Bullock, M. R. (2012). Neuroprotective effect of preoperatively induced mild hypothermia as determined by biomarkers and histopathological estimation in a rat subdural hematoma decompression model. *Journal of Neurosurgery*, 0(0), 1-11. doi: doi:10.3171/2012.10.JNS12725. <http://thejns.org/doi/abs/10.3171/2012.10.JNS12725>

Yokoi, F., Dang, M. T., Liu, J., Gandre, J. R., Kwon, K., Yuen, R., & Li, Y. (2015). Decreased dopamine receptor 1 activity and impaired motor-skill transfer in Dyt1^{ΔGAG} heterozygous knock-in mice. *Behavioural Brain Research*, 279(0), 202-210. doi: <http://dx.doi.org/10.1016/j.bbr.2014.11.037>. <http://www.sciencedirect.com/science/article/pii/S0166432814007736>

Yon, J. H., Carter, L. B., Reiter, R. J., & Jevtovic-Todorovic, V. (2006). Melatonin reduces the severity of anesthesia-induced apoptotic neurodegeneration in the developing rat brain. *Neurobiology of Disease*, 21(3), 522-530. doi.

Yon, J. H., Daniel-Johnson, J., Carter, L. B., & Jevtovic-Todorovic, V. (2005). Anesthesia induces neuronal cell death in the developing rat brain via the intrinsic and extrinsic apoptotic pathways. *Neuroscience*, 135(3), 815-827. doi.

Yong, J., Lacan, G., Dang, H., Hsieh, T., Middleton, B., Wasserfall, C., . . . Kaufman, D. L. (2011). BCG Vaccine-Induced Neuroprotection in a Mouse Model of Parkinson's Disease. *PLoS ONE*, 6(1), e16610-e16610. doi.

Yoon, Y., Gokin, A., & Martin-Caraballo, M. (2010). Pharmacological manipulation of GABA-driven activity in ovo disrupts the development of dendritic morphology but not the maturation of spinal cord network activity. *Neural Development*, 5(1), 11. doi: <http://www.neuraldevelopment.com/content/5/1/11>

Yoon, Y. J., Kominami, H., Trimarchi, T., & Martin-Caraballo, M. (2008). Inhibition of electrical activity by retroviral infection with Kir2. 1 transgenes disrupts electrical differentiation of motoneurons. *PLoS ONE*, 3(8), e2971-e2971. doi.

Yoon, Y. J., White, S. L., Ni, X., Gokin, A. P., & Martin-Caraballo, M. (2012). Downregulation of GluA2 AMPA Receptor Subunits Reduces the Dendritic Arborization of Developing Spinal

Motoneurons. Plos one, 7(11), e49879. doi:

10.1371/journal.pone.0049879. <http://dx.doi.org/10.1371%2Fjournal.pone.0049879>

Yoruk, O., Dane, S., Ucuncu, H., Aktan, B., & Can, I. (2009). Stereological evaluation of laryngeal cancers using computed tomography via the Cavalieri method: correlation between tumor volume and number of neck lymph node metastases. *Journal of Craniofacial Surgery*, 20(5), 1504-1504. doi.

Yoshii, Y., Inoue, T., Uemura, Y., Iwasaki, Y., Yada, T., Nakabeppu, Y., & Noda, M. (2017). Complexity of Stomach-Brain Interaction Induced by Molecular Hydrogen in Parkinson's Disease Model Mice. [journal article]. *Neurochemical Research*, 1-8. doi: 10.1007/s11064-017-2281-1. <http://dx.doi.org/10.1007/s11064-017-2281-1>

Yoshikawa, G., Momiyama, T., Oya, S., Takai, K., Tanaka, J., Higashiyama, S., . . . Kawahara, N. (2010). Induction of striatal neurogenesis and generation of region-specific functional mature neurons after ischemia by growth factors. *Journal of Neurosurgery*, 113(4), 835-850. doi.

Yossuck, P., Kraszpulski, M., & Salm, A. K. (2006). Perinatal corticosteroid effect on amygdala and hippocampus volume during brain development in the rat model. *Early Human Development*, 82(4), 267-272. doi.

Young, C., Jevtovic-Todorovic, V., Qin, Y.-Q., Tenkova, T., Wang, H., Labruyere, J., & Olney, J. W. (2005). Potential of ketamine and midazolam, individually or in combination, to induce apoptotic neurodegeneration in the infant mouse brain. *British Journal of Pharmacology* 146(2), 189-197. doi.

Young, C., Klocke, B. J., Tenkova, T., Choi, J., Labruyere, J., Qin, Y.-Q., . . . Olney, J. W. (2003). Ethanol-induced neuronal apoptosis in vivo requires BAX in the developing mouse brain. *Cell Death and Differentiation*, 10(10), 1148-1155. doi.

Young, C., & Olney, J. W. (2006). Neuroapoptosis in the infant mouse brain triggered by a transient small increase in blood alcohol concentration. *Neurobiology of Disease*, 22(3), 548-554. doi.

Young, C., Roth, K. A., Klocke, B. J., West, T., Holtzman, D. M., Labruyere, J., . . . Olney, J. W. (2005). Role of caspase-3 in ethanol-induced developmental neurodegeneration. *Neurobiology of Disease*, 20(2), 608-614. doi.

Young, C., Straiko, M. M. W., Johnson, S. A., Creeley, C., & Olney, J. W. (2008). Ethanol causes and lithium prevents neuroapoptosis and suppression of pERK in the infant mouse brain. *Neurobiology of Disease*, 31(3), 355-360. doi.

Young, D., Fong, D. M., Lawlor, P. A., Wu, A., Mouravlev, A., McRae, M., . . . During, M. J. (2014). Adenosine kinase, glutamine synthetase and EAAT2 as gene therapy targets for temporal lobe epilepsy. [Original Article]. *Gene Therapy*. doi: 10.1038/gt.2014.82. <http://dx.doi.org/10.1038/gt.2014.82>

Young, E. E., Sieve, A. N., Vichaya, E. G., Carcoba, L. M., Young, C. R., Ambrus, A., . . . Meagher, M. W. (2010). Chronic restraint stress during early Theiler's virus infection exacerbates the subsequent demyelinating disease in SJL mice: II. CNS disease severity. *Journal of Neuroimmunology*, 220(1), 79-89. doi.

Young, F. B., Franciosi, S., Spreeuw, A., Deng, Y., Sanders, S., Tam, N. C. M., . . . Hayden, M. R. (2012). Low Levels of Human HIP14 Are Sufficient to Rescue Neuropathological, Behavioural, and Enzymatic Defects Due to Loss of Murine HIP14 in Hip14^{-/-} Mice. *PLoS ONE*, 7(5), e36315. doi: 10.1371/journal.pone.0036315. <http://dx.doi.org/10.1371%2Fjournal.pone.0036315>

Young, K. A., Ball, G. F., & Nelson, R. J. (2001). Photoperiod-Induced Testicular Apoptosis in European Starlings (*Sturnus vulgaris*). *Biology of Reproduction*, 64, 706-713. doi.

Young, K. A., Bonkale, W. L., Holcomb, L. A., Hicks, P. B., & German, D. C. (2008). Major depression, 5HTTLPR genotype, suicide and antidepressant influences on thalamic volume. *British Journal of Psychiatry*, 192(4), 285-289. doi.

Young, K. A., Holcomb, L. A., Bonkale, W. L., Hicks, P. B., Yazdani, U., & German, D. C. (2007). 5HTTLPR polymorphism and enlargement of the pulvinar: unlocking the backdoor to the limbic system. *Biological Psychiatry*, 61(6), 813-818. doi.

Young, K. A., Holcomb, L. A., Yazdani, U., Hicks, P. B., & German, D. C. (2004). Elevated Neuron Number in the Limbic Thalamus in Major Depression *American Journal of Psychiatry*, 161, 1270-1277. doi.

Young, K. A., Manaye, K. F., Liang, C. L., Hicks, P. B., & German, D. C. (2000). Reduced number of mediodorsal and anterior thalamic neurons in schizophrenia. *Biological Psychiatry*, 47(11), 944-953. doi.

Young, K. A., & Nelson, R. J. (2000). Short photoperiods reduce vascular endothelial growth factor in the testes of *Peromyscus leucopus* *American Journal of Physiology Regular Integrated Comparative Physiology*, 279, 1132-1137. doi.

Young, K. A., Zirkin, B. R., & Nelson, R. J. (1999). Short photoperiods evoke testicular apoptosis in white-footed mice (*Peromyscus leucopus*). *Endocrinology*, 140(7), 3133-3133. doi.

Young, K. A., Zirkin, B. R., & Nelson, R. J. (2001). Testicular apoptosis is down-regulated during spontaneous recrudescence in white-footed mice (*Peromyscus leucopus*). *Journal of Biological Rhythms*, 16(5), 479-488. doi.

Young, K. A., Zirkin, B. R., & Nelson, R. J. (2000). Testicular Regression in Response to Food Restriction and Short Photoperiod in White-Footed Mice (*Peromyscus leucopus*) Is Mediated by Apoptosis. *Biology of Reproduction*, 62(2), 347-354. doi.

Yowtak, J., Wang, J., Kim, H. Y., Lu, Y., Chung, K., & Chung, J. M. (2013). Effect of antioxidant treatment on spinal GABA neurons in a neuropathic pain model in the mouse. *Pain*, (0).

doi: <http://dx.doi.org/10.1016/j.pain.2013.07.024>.
<http://www.sciencedirect.com/science/article/pii/S0304395913003928>

Ypsilanti, A. R., Cruz, M. T. G. d., Burgess, A., & Aubert, I. (2008). The length of hippocampal cholinergic fibers is reduced in the aging brain. *Neurobiology of Aging* 29(11), 1666–1679. doi:

ySmith, L. A., & McMahon, L. L. (2017). Deficits in synaptic function occur at medial perforant path-granule cell synapses prior to Schaffer collateral-CA1 pyramidal cell synapses in the novel TgF344-Alzheimer's Disease Rat Model. 2017, (

).

doi: <https://doi.org/10.1016/j.nbd.2017.11.014>.
<https://www.sciencedirect.com/science/article/pii/S0969996117302759>

Yu, A. X., Xiao, J., Zhao, S.-Z., Kong, X.-P., Kwan, K. K., Zheng, B. Z., . . . Tsim, K. W. (2021). Biological Evaluation and Transcriptomic Analysis of Corylin as an Inhibitor of Osteoclast Differentiation. *International Journal of Molecular Sciences*, 22(7). doi: 10.3390/ijms22073540.

Yu, Diana X., Di Giorgio, Francesco P., Yao, J., Marchetto, Maria C., Brennand, K., Wright, R., . . . Gage, Fred H. (2014). Modeling Hippocampal Neurogenesis Using Human Pluripotent Stem Cells. *Stem Cell Reports*, (0).

doi: <http://dx.doi.org/10.1016/j.stemcr.2014.01.009>. <http://www.sciencedirect.com/science/article/pii/S2213671114000265>

Yu, H., Wang, Y., Pattwell, S., Jing, D., Liu, T., Zhang, Y., . . . Chen, Z.-Y. (2009). Variant BDNF Val66Met Polymorphism Affects Extinction of Conditioned Aversive Memory. *Journal of Neuroscience*, 29(13), 4056–4064. doi: 10.1523/jneurosci.5539-08.2009. <http://www.jneurosci.org/cgi/content/abstract/29/13/4056>

Yu, H.-G., McLaughlin, S., Newman, M., Brundage, K., Ammer, A., Martin, K., & Coad, J. (2017). Altering calcium influx for selective destruction of breast tumor. [journal article]. *BMC Cancer*, 17(1), 169. doi: 10.1186/s12885-017-3168-x. <http://dx.doi.org/10.1186/s12885-017-3168-x>

Yu, J., Lai, C., Shim, H., Xie, C., Sun, L., Long, C.-X., . . . Cai, H. (2018). Genetic ablation of dynactin p150Glued in postnatal neurons causes preferential degeneration of spinal motor neurons in aged mice. [journal article]. *Molecular Neurodegeneration*, 13(1), 10. doi: 10.1186/s13024-018-0242-z. <https://doi.org/10.1186/s13024-018-0242-z>

Yu, J., Proddutur, A., Swietek, B., Elgammal, F. S., & Santhakumar, V. (2015). Functional Reduction in Cannabinoid-Sensitive Heterotypic Inhibition of Dentate Basket Cells in Epilepsy: Impact on Network Rhythms. *Cerebral Cortex*. doi: 10.1093/cercor/bhv199. <http://cercor.oxfordjournals.org/content/early/2015/09/22/cercor.bhv199....>

Yu, J., Zhu, H., Taheri, S., Monday, W., Perry, S., & Kindy, M. S. (2019). Reduced Neuroinflammation and Improved Functional Recovery after Traumatic Brain Injury by

Prophylactic Diet Supplementation in Mice. *Nutrients*, 11(2), 299. doi: <http://www.mdpi.com/2072-6643/11/2/299>

Yu, Q., Huang, Q., Du, X., Xu, S., Li, M., & Ma, S. (2018). Early activation of Egr-1 promotes neuroinflammation and dopaminergic neurodegeneration in an experimental model of Parkinson's disease. *Experimental Neurology*. doi: <https://doi.org/10.1016/j.expneurol.2018.01.009>.
<http://www.sciencedirect.com/science/article/pii/S0014488618300165>

Yu, S., Patchev, A. V., Wu, Y., Lu, J., Holsboer, F., Zhang, J. Z., . . . Almeida, O. F. X. (2010). Depletion of the neural precursor cell pool by glucocorticoids. *Annals of Neurology*, 67(1), 21-30. doi:

Yu, T.-S., Kim, A., & Kernie, S. G. (2015). Donepezil Rescues Spatial Learning and Memory Deficits following Traumatic Brain Injury Independent of Its Effects on Neurogenesis. *Plos one*, 10(2), e0118793. doi: 10.1371/journal.pone.0118793. <http://dx.doi.org/10.1371%2Fjournal.pone.0118793>

Yu, T.-S., Zhang, G., Liebl, D. J., & Kernie, S. G. (2008). Traumatic Brain Injury-Induced Hippocampal Neurogenesis Requires Activation of Early Nestin-Expressing Progenitors. *Journal of Neuroscience*, 28(48), 12901-12912. doi: 10.1523/jneurosci.4629-08.2008. <http://www.jneurosci.org/cgi/content/abstract/28/48/12901>

Yu, Y., Fu, Y., & Watson, C. (2014). The Inferior Olive of the C57BL/6J Mouse: A Chemoarchitectonic Study. *The Anatomical Record*, 297(2), 289-300. doi: 10.1002/ar.22866. <http://dx.doi.org/10.1002/ar.22866>

Yu, Y., Wang, K., Deng, J., Sun, M., Jia, J., & Wang, X. (2016). Electroacupuncture Produces the Sustained Motor Improvement in 6-Hydroxydopamine-Lesioned Mice. *Plos one*, 11(2), e0149111. doi: 10.1371/journal.pone.0149111. <http://dx.doi.org/10.1371%2Fjournal.pone.0149111>

Yuan, D., Liu, C., & Hu, B. (2017). Inactivation of NSF ATPase Leads to Cathepsin B Release After Transient Cerebral Ischemia. [journal article]. *Translational Stroke Research*. doi: 10.1007/s12975-017-0571-1. <https://doi.org/10.1007/s12975-017-0571-1>

Yuan, Y., Xue, X., Guo, R. B., Sun, X. L., & Hu, G. (2012). Resveratrol Enhances the Antitumor Effects of Temozolomide in Glioblastoma via ROS-dependent AMPK-TSC-mTOR Signaling Pathway. *CNS Neuroscience and Therapeutics*. doi:

Yucel, A., Yucel, N., Ozkanlar, S., Polat, E., Kara, A., Ozcan, H., & Gulec, M. (2016). Effect of agomelatine on adult hippocampus apoptosis and neurogenesis using the stress model of rats. *Acta Histochemica*. doi: <http://dx.doi.org/10.1016/j.acthis.2016.02.007>.
<http://www.sciencedirect.com/science/article/pii/S0065128116300319>

Yue, M., Hinkle, K., Davies, P., Trushina, E., Fiesel, F., Christenson, T., . . . Melrose, H. (2015). Progressive dopaminergic alterations and mitochondrial abnormalities in LRRK2 G2019S knock in mice. *Neurobiology of Disease*, (0).

doi: <http://dx.doi.org/10.1016/j.nbd.2015.02.031>.
<http://www.sciencedirect.com/science/article/pii/S0969996115000996>

Yuede, C. M., Wozniak, D. F., Creeley, C. E., Taylor, G. T., Olney, J. W., & Farber, N. B. (2010). Behavioral consequences of NMDA antagonist-induced neuroapoptosis in the infant mouse brain. *PLoS ONE*, 5(6), e11374-e11374. doi:

Yuksel, T. N., Halici, Z., Demir, R., Çakir, M., Calikoglu, C., Ozdemir, G., & Unal, D. (2014). Investigation of the effect of telmisartan on experimentally induced peripheral nerve injury in rats. *International Journal of Neuroscience*, 0(ja), 1-32. doi: 10.3109/00207454.2014.948115.
<http://informahealthcare.com/doi/abs/10.3109/00207454.2014.948115>

Yun, S., Reynolds, R. P., Petrof, I., White, A., Rivera, P. D., Segev, A., . . . Eisch, A. J. (2018). Stimulation of entorhinal cortex–dentate gyrus circuitry is antidepressive. *Nature Medicine*. doi: 10.1038/s41591-018-0002-1. <https://doi.org/10.1038/s41591-018-0002-1>

Yun, S. P., Kim, D., Kim, S., Kim, S., Karuppagounder, S. S., Kwon, S.-H., . . . Ko, H. S. (2018). α -Synuclein accumulation and GBA deficiency due to L444P GBA mutation contributes to MPTP-induced parkinsonism. [journal article]. *Molecular Neurodegeneration*, 13(1), 1. doi: 10.1186/s13024-017-0233-5.
<https://doi.org/10.1186/s13024-017-0233-5>

Yu-Qing, L., & Wong, C. S. (2018). Effects of p21 on adult hippocampal neuronal development after irradiation. *Cell Death Discovery*, 5, 1-12.
doi: [https://search.proquest.com/openview/83e4ce586fb244eee0982e8295f1edbb/1?...](https://search.proquest.com/openview/83e4ce586fb244eee0982e8295f1edbb/1?)

Yurt, K. K., Kivrak, E. G., Altun, G., Mohamed, H., Ali, F., Mohemmed, H. E. E. G., & Kaplan, S. (2018). A brief update on physical and optical disector applications and sectioning-staining methods in neuroscience. *Journal of Chemical Neuroanatomy*. doi: <https://doi.org/10.1016/j.jchemneu.2018.02.009>.
<http://www.sciencedirect.com/science/article/pii/S0891061817302831>

Yurttas, C., Schmitz, C., Turgut, M., Strekalova, T., & Steinbusch, H. W. M. (2017). The olfactory bulbectomized rat model is not an appropriate model for studying depression based on morphological/stereological studies of the hippocampus. *Brain Research Bulletin*. doi: <https://doi.org/10.1016/j.brainresbull.2017.07.010>.
<http://www.sciencedirect.com/science/article/pii/S0361923017302034>

Yürüker, S., Görduysus, M., Küçükkaya, S., Uzunoğlu, E., Ilgın, C., Gülen, O., . . . Görduysus, M. O. (2016). Efficacy of Combined Use of Different Nickel-Titanium Files on Removing Root Canal Filling Materials. *Journal of Endodontics*. doi: 10.1016/j.joen.2015.11.019. <http://dx.doi.org/10.1016/j.joen.2015.11.019>

Yuskaitis, C. J., Jones, B. M., Wolfson, R. L., Super, C. E., Dhamne, S. C., Rotenberg, A., . . . Poduri, A. (2018). A mouse model of DEPDC5-related epilepsy: Neuronal loss of Depdc5 causes dysplastic and ectopic neurons, increased mTOR signaling, and seizure susceptibility. *Neurobiology of Disease*, 111, 91-101. doi: <https://doi.org/10.1016/j.nbd.2017.12.010>.
<https://www.sciencedirect.com/science/article/pii/S0969996117302942>

Zaborszky, L., Buhl, D. L., Pabalashingham, S., Bjaalie, J. G., & Nadasdy, Z. (2005). Three-dimensional chemoarchitecture of the basal forebrain: spatially specific association of cholinergic and calcium binding protein-containing neurons. *Neuroscience*, 136(3), 697-713. doi.

Zachary, T. I., Gratianne, R., Ji-Wei, H., Shivalika, C., Yasuo, N., Yosuke, A., . . . Azadeh, Y.-S. (2021). Local field potentials identify features of cortico-hippocampal communication impacted by stroke and environmental enrichment therapy. *Journal of Neural Engineering*. doi. <http://iopscience.iop.org/article/10.1088/1741-2552/ac0a54>

Zádori, D., Nyiri, G., Szőnyi, A., Szatmári, I., Fülöp, F., Toldi, J., . . . Klivényi, P. (2011). Neuroprotective effects of a novel kynurenic acid analogue in a transgenic mouse model of Huntington's disease. *Journal of Neural Transmission*, 118(6), 865-875. doi.

Zahir, T., Nomura, H., Guo, X. D., Kim, H., Tator, C., Morshead, C., & Shoichet, M. (2008). Bioengineering neural stem/progenitor cell-coated tubes for spinal cord injury repair. *Cell Transplantation*, 17(3), 245-254. doi.

Zalfa, C., Rota Nodari, L., Vacchi, E., Gelati, M., Profico, D., Boido, M., . . . Ferrari, D. (2019). Transplantation of clinical-grade human neural stem cells reduces neuroinflammation, prolongs survival and delays disease progression in the SOD1 rats. *Cell death & disease*, 10(5), 345. doi: 10.1038/s41419-019-1582-5. <https://doi.org/10.1038/s41419-019-1582-5>

Zaman, V., Nelson, M. E., Gerhardt, G. A., & Rohrer, B. (2004). Neurodegenerative alterations in the nigrostriatal system of trkB hypomorphic mice. *Experimental Neurology*, 190(2), 337-346. doi.

Zamora, E., Handisurya, A., Shafti-Keramat, S., Borchelt, D., Rudow, G., Conant, K., . . . Kirnbauer, R. (2006). Papillomavirus-Like Particles Are an Effective Platform for Amyloid- Immunization in Rabbits and Transgenic Mice. *Journal of Immunology*, 177, 2662-2670. doi.

Zanier, E. R., Lee, S. M., Vespa, P. M., Giza, C. C., & Hovda, D. A. (2003). Increased hippocampal CA3 vulnerability to low-level kainic acid following lateral fluid percussion injury. *Journal of Neurotrauma*, 20(5), 409-420. doi.

Zanni, G., Deutsch, H., Rivera, P., Shih, H.-Y., LeBlanc, J., Amaral, W., . . . Eisch, A. (2018). Whole-Body ¹²C Irradiation Transiently Decreases Mouse Hippocampal Dentate Gyrus Proliferation and Immature Neuron Number, but Does Not Change New Neuron Survival Rate. *International Journal of Molecular Sciences*, 19(10), 3078. doi. <http://www.mdpi.com/1422-0067/19/10/3078>

Zanni, G., Michno, W., Di Martino, E., Tjärnlund-Wolf, A., Pettersson, J., Mason, C. E., . . . Hanrieder, J. (2017). Lithium Accumulates in Neurogenic Brain Regions as Revealed by High Resolution Ion Imaging. [Article]. *Scientific Reports*, 7, 40726. doi: 10.1038/srep40726 <http://www.nature.com/articles/srep40726#supplementary-information>. <http://dx.doi.org/10.1038/srep40726>

Zanni, G., Zhou, K., Riebe, I., Xie, C., Zhu, C., Hanse, E., & Blomgren, K. (2015). Irradiation of the Juvenile Brain Provokes a Shift from Long-Term Potentiation to Long-Term Depression. *Developmental Neuroscience*, 37(3), 263-272.

doi: <http://www.karger.com/Article/FullText/430435>

Zare, A., Jahanshahi, A., Meriaux, C., Steinbusch, H. W., & Koeveringe, G. A. v. (2018). Glutamatergic cells in the periaqueductal gray matter mediate sensory inputs after bladder stimulation in freely moving rats. *International Journal of Urology*, 0(0). doi: 10.1111/iju.13562. <https://onlinelibrary.wiley.com/doi/abs/10.1111/iju.13562>

Zarow, C., Vinters, H. V., Ellis, W. G., Weiner, M. W., Mungas, D., White, L., & Chui, H. C. (2005). Correlates of hippocampal neuron number in Alzheimer's disease and ischemic vascular dementia. *Annals of Neurology*, 57(6), 896-903. doi.

Zeger, M., Popken, G., Zhang, J., Xuan, S., Lu, Q. R., Schwab, M. H., . . . Ye, P. (2007). Insulin-like growth factor type 1 receptor signaling in the cells of oligodendrocyte lineage is required for normal in vivo oligodendrocyte development and myelination. *Glia*, 55(4), 400-411. doi.

Zelikowsky, M., Bissiere, S., Hast, T. A., Bennett, R. Z., Abdipranoto, A., Vissel, B., & Fanselow, M. S. (2013). Prefrontal microcircuit underlies contextual learning after hippocampal loss. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1301691110.

<http://www.pnas.org/content/early/2013/05/15/1301691110.abs> tract

Zellinger, C., Hadamitzky, M., Bock, E., Berezin, V., & Potschka, H. (2011). Impact of the NCAM derived mimetic peptide plannexin on the acute cellular consequences of a status epilepticus. *Neuroscience Letters*. doi.

Zellinger, C., Salvamoser, J. D., Seeger, N., Russmann, V., & Potschka, H. (2014). Impact of the neural cell adhesion molecule-derived peptide FGL on seizure progression and cellular alterations in the mouse kindling model. *ACS Chemical Neuroscience*. doi: 10.1021/cn400153g. <http://dx.doi.org/10.1021/cn400153g>

Zellinger, C., Seeger, N., Hadamitzky, M., Fischborn, S., Russmann, V., Wendt, H., . . . Potschka, H. (2011). Impact of the erythropoietin-derived peptide mimetic Epotris on the histopathological consequences of status epilepticus. *Epilepsy Research*. doi.

Zepeda, A., Aguilar-Arredondo, A., Michel, G., Ramos-Languren, L., Escobar, M., & Arias, C. (2012). Functional recovery of the dentate gyrus after a focal lesion is accompanied by structural reorganization in the adult rat. *Brain Structure and Function*, 1-17. doi: 10.1007/s00429-012-0407-4. <http://dx.doi.org/10.1007/s00429-012-0407-4>

Zerbi, V., Jansen, D., Dederen, P., Veltien, A., Hamans, B., Liu, Y., . . . Kiliaan, A. (2012). Microvascular cerebral blood volume changes in aging APP_{swe}/PS1_{dE9} AD mouse model: a voxel-wise approach. *Brain Structure and Function*, 1-14. doi: 10.1007/s00429-012-0448-

8. <http://dx.doi.org/10.1007/s00429-012-0448-8>

Zerbi, V., Jansen, D., Wiesmann, M., Fang, X., Broersen, L. M., Veltien, A., . . . Kiliaan, A. J. (2013). Multi-nutrient diets improve cerebral perfusion and neuroprotection in an Alzheimer mouse model. *Neurobiology of Aging*, (0). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2013.09.038>. <http://www.sciencedirect.com/science/article/pii/S0197458013004508>

Zerbi, V., Wiesmann, M., Emmerzaal, T. L., Jansen, D., Van Beek, M., Mutsaers, M. P., . . . Kiliaan, A. J. (2014). Resting-State Functional Connectivity Changes in Aging apoE4 and apoE-KO Mice. *The Journal of Neuroscience*, 34(42), 13963-13975. doi: <http://www.jneurosci.org/content/34/42/13963.short>

Zerbinatti, C. V., Wozniak, D. F., Cirrito, J., Cam, J. A., Osaka, H., Bales, K. R., . . . Bu, G. (2004). "Increased soluble amyloid- peptide and memory deficits in amyloid model mice overexpressing the low-density lipoprotein receptor-related protein". *Neuroscience*, 101, 1075-1080. doi:

Zerbinatti, C. V., Wozniak, D. F., Cirrito, J., Cam, J. A., Osaka, H., Bales, K. R., . . . Bu, G. (2004). Increased soluble amyloid- β peptide and memory deficits in amyloid model mice overexpressing the low-density lipoprotein receptor-related protein. *Proceedings of the National Academy of Sciences*, 101(4), 1075-1080. doi: 10.1073/Proceedings of the National Academy of Sciences.0305803101. <http://www.Proceedings of the National Academy of Sciences.org/cgi/content/abstract/101/4/1075>

Zerrate, M. C., Pletnikov, M., Connors, S. L., Vargas, D. L., Seidler, F. J., Zimmerman, A. W., . . . Pardo, C. A. (2007). Neuroinflammation and Behavioral Abnormalities after Neonatal Terbutaline Treatment in Rats: Implications for Autism. *Journal of Pharmacology and Experimental Therapy*, 322(1), 16-22. doi: 10.1124/jpet.107.121483. <http://jpet.aspetjournals.org/cgi/content/abstract/322/1/16>

Zhang, B., Bailey, W. M., McVicar, A. L., Stewart, A. N., Veldhorst, A. K., & Gensel, J. C. (2018). Reducing age-dependent monocyte-derived macrophage activation contributes to the therapeutic efficacy of NADPH oxidase inhibition in spinal cord injury. *Brain, Behavior, and Immunity*. doi: <https://doi.org/10.1016/j.bbi.2018.11.013>. <http://www.sciencedirect.com/science/article/pii/S0889159118303428>

Zhang, C.-L., Zou, Y., He, W., Gage, F. H., & Evans, R. M. (2008). A role for adult TLX-positive neural stem cells in learning and behaviour. *Nature*, 451(7181), 1004-1007. doi: <http://dx.doi.org/10.1038/nature06562>
<http://www.nature.com/nature/journal/vaop/ncurrent/supinfo/nature06562...>

Zhang, D., Guo, M., Zhang, W., & Lu, X.-Y. (2011). Adiponectin Stimulates Proliferation of Adult Hippocampal Neural Stem/Progenitor Cells through Activation of p38 Mitogen-activated Protein Kinase (p38MAPK)/Glycogen Synthase Kinase 3 β (GSK-3 β)/ β -Catenin Signaling Cascade. *Journal of Biological Chemistry*, 286(52), 44913-44920. doi: 10.1074/jbc.M111.310052. <http://www.jbc.org/content/286/52/44913.abstract>

Zhang, D., Lee, B., Nutter, A., Song, P., Dolatabadi, N., Parker, J., . . . Lipton, S. A. (2015). Protection from cyanide-induced brain injury by the Nrf2 transcriptional activator carnosic acid. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.13074. <http://dx.doi.org/10.1111/jnc.13074>

Zhang, G., Dmitrieva, N., Liu, Y., McGinty, K. A., & Berkley, K. J. (2008). Endometriosis as a neurovascular condition: estrous variations in innervation, vascularization, and growth factor content of ectopic endometrial cysts in the rat. *American Journal of Physiology and Regulatory Integrative Comparative Physiology*, 294(1), R162-171. doi: 10.1152/ajpregu.00649.2007. http://ajpregu.physiology.org/cgi/content/abstract/294/1/R_162

Zhang, G.-r., Cao, H., Kong, L., O'Brien, J., Baughns, A., Jan, M., . . . Geller, A. I. (2010). Identified circuit in rat postrhinal cortex encodes essential information for performing specific visual shape discriminations. *Proceedings of the National Academy of Sciences*, 107(32), 14478-14483. doi: 10.1073/Proceedings of the National Academy of Sciences.0912950107. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2010/07/23/0912950107.abstract>

Zhang, G.-R., Zhao, H., Choi, E. M., Svestka, M., Wang, X., Nagayach, A., . . . Geller, A. I. (2019). An identified ensemble within a neocortical circuit encodes essential information for genetically-enhanced visual shape learning. *Hippocampus*, 0(0). doi: doi:10.1002/hipo.23068. <https://onlinelibrary.wiley.com/doi/abs/10.1002/hipo.23068>

Zhang, G.-r., Zhao, H., Cook, N., Svestka, M., Choi, E. M., Jan, M., . . . Geller, A. I. (2017). Characteristic and intermingled neocortical circuits encode different visual object discriminations. *Behavioural Brain Research*. doi: <https://doi.org/10.1016/j.bbr.2017.05.016>. <http://www.sciencedirect.com/science/article/pii/S0166432817305144>

Zhang, H., Sun, S., Herreman, A., De Strooper, B., & Bezprozvanny, I. (2010). Role of Presenilins in Neuronal Calcium Homeostasis. *Journal of Neuroscience*, 30(25), 8566-8580. doi: 10.1523/jneurosci.1554-10.2010. <http://www.jneurosci.org/cgi/content/abstract/30/25/8566>

Zhang, H., Weng, S. J., & Hutsler, J. J. (2003). Does microwaving enhance the Golgi methods? A quantitative analysis of disparate staining patterns in the cerebral cortex. *Journal of Neuroscience Methods*, 124(2), 145-155. doi.

Zhang, H., Zhao, Y., & Wang, Z. (2015). Chronic corticosterone exposure reduces hippocampal astrocyte structural plasticity and induces hippocampal atrophy in mice. *Neuroscience Letters*, 592(0), 76-81. doi: <http://dx.doi.org/10.1016/j.neulet.2015.03.006>. <http://www.sciencedirect.com/science/article/pii/S0304394015001834>

Zhang, H. H., Lipovsky, A. I., Dibble, C. C., Sahin, M., & Manning, B. D. (2006). S6K1 regulates GSK3 under conditions of mTOR-dependent feedback inhibition of Akt. *Molecular Cell*, 24. doi: 10.1016/j.molcel.2006.09.019. <http://dx.doi.org/10.1016/j.molcel.2006.09.019>

Zhang, J., Dai, H., Deng, Y., Tian, J., Zhang, C., Hu, Z., . . . Zhao, L. (2015). Neonatal chlorpyrifos exposure induces loss of dopaminergic neurons in young adult rats. *Toxicology*, 336, 17-25. doi: <http://dx.doi.org/10.1016/j.tox.2015.07.014>.
<http://www.sciencedirect.com/science/article/pii/S0300483X15300196>

Zhang, J., Götz, S., Vogt Weisenhorn, D. M., Simeone, A., Wurst, W., & Prakash, N. (2015). A WNT1-regulated developmental gene cascade prevents dopaminergic neurodegeneration in adult *En1*^{+/-} mice. *Neurobiology of Disease*, 82(0), 32-45. doi: <http://dx.doi.org/10.1016/j.nbd.2015.05.015>.
<http://www.sciencedirect.com/science/article/pii/S0969996115001898>

Zhang, J., Klufas, D., Manalo, K., Adjepong, K., Davidson, J. O., Wassink, G., . . . Stonestreet, B. S. (2016). HMGB1 Translocation After Ischemia in the Ovine Fetal Brain. [10.1093/jnen/nlw030]. *Journal of Neuropathology and Experimental Neurology*. doi: <http://jnen.oxfordjournals.org/content/early/2016/05/04/jnen.nlw030.abst...>

Zhang, J., Pho, V., Bonasera, S. J., Holzmann, J., Tang, A. T., Hellmuth, J., . . . Huang, E. J. (2007). Essential function of HIPK2 in TGF β -dependent survival of midbrain dopamine neurons. *Nature Neuroscience*, 10, 77-86. doi: <http://dx.doi.org/10.1038/nn1888>

Zhang, J., Saur, T., Duke, A. N., Grant, S. G. N., Platt, D. M., Rowlett, J. K., . . . Yao, W.-D. (2014). Motor Impairments, Striatal Degeneration, and Altered Dopamine-Glutamate Interplay in Mice Lacking PSD-95. *Journal of Neurogenetics*, 0(ja), 1-26. doi: 10.3109/01677063.2014.892486.
<http://informahealthcare.com/doi/abs/10.3109/01677063.2014.892486>

Zhang, J., Yang, B., Sun, H., Zhou, Y., Liu, M., Ding, J., . . . Hu, G. (2015). Aquaporin-4 deficiency diminishes the differential degeneration of midbrain dopaminergic neurons in experimental Parkinson's disease. *Neuroscience Letters*. doi: <http://dx.doi.org/10.1016/j.neulet.2015.12.057>.
<http://www.sciencedirect.com/science/article/pii/S0304394015303487>

Zhang, J., Yang, L., Lin, N., Pan, X., Zhu, Y., & Chen, X. (2013). Aging-related changes in RP3V kisspeptin neurons predate the reduced activation of GnRH neurons during the early reproductive decline in female mice. *Neurobiology of Aging*, 0(). doi: <http://dx.doi.org/10.1016/j.neurobiolaging.2013.08.038>. <http://www.sciencedirect.com/science/article/pii/S0197458013003898>

Zhang, J., Yang, L. M., Pan, X. D., Lin, N., & Chen, X. C. (2013). Increased Vesicular γ -GABA Transporter and Decreased Phosphorylation of Synapsin I in the Rostral Preoptic Area is Associated with Decreased Gonadotrophin-Releasing Hormone and c-Fos Coexpression in Middle-Aged Female Mice. *Journal of Neuroendocrinology*, 25(8), 753-761. doi: 10.1111/jne.12050. <http://dx.doi.org/10.1111/jne.12050>

Zhang, J., Zhu, Y., Zhan, G., Fenik, P., Panossian, L., Wang, M. M., . . . Baur, J. A. (2014). Extended Wakefulness: Compromised Metabolics in and Degeneration of Locus Ceruleus Neurons. *The Journal of Neuroscience*, 34(12), 4418-4431. doi: <http://www.jneurosci.org/content/34/12/4418.short>

Zhang, L., Blomgren, K., Kuhn, H. G., & Cooper-Kuhn, C. M. (2009). Effects of postnatal thyroid hormone deficiency on neurogenesis in the juvenile and adult rat. *Neurobiology of Disease*, 34(2), 366-374. doi.

Zhang, L., Cooper-Kuhn, C. M., Nannmark, U., Blomgren, K., & Kuhn, H. G. (2009). Stimulatory effects of thyroid hormone on brain angiogenesis in vivo and in vitro. *Journal of Cerebral Blood Flow and Metabolism*, 30(2), 323-335. doi.

Zhang, L., Le, W., Xie, W., & Dani, J. A. (2011). Age-related changes in dopamine signaling in Nurr1 deficient mice as a model of Parkinson's disease. *Neurobiology of Aging*. doi.

Zhang, Q., Chen, S., Yu, S., Qin, J., Zhang, J., Cheng, Q., . . . Ding, F. (2016). Neuroprotective effects of pyrroloquinoline quinone against rotenone injury in primary cultured midbrain neurons and in a rat model of Parkinson's disease. *Neuropharmacology*. doi: <http://dx.doi.org/10.1016/j.neuropharm.2016.04.025>.
<http://www.sciencedirect.com/science/article/pii/S0028390816301654>

Zhang, Q., Li, C., Zhang, T., Ge, Y., Han, X., Sun, S., . . . Hu, G. (2018). Deletion of Kir6.2/SUR1 potassium channels rescues diminishing of DA neurons via decreasing iron accumulation in PD. *Molecular and Cellular Neuroscience*. doi: <https://doi.org/10.1016/j.mcn.2018.08.006>.
<http://www.sciencedirect.com/science/article/pii/S1044743118300939>

Zhang, Q.-S., Wang, Z.-H., Zhang, J.-L., Duan, Y.-L., Li, G.-F., & Zheng, D.-L. (2016). Beta-asarone protects against MPTP-induced Parkinson's disease via regulating long non-coding RNA MALAT1 and inhibiting α -synuclein protein expression. *Biomedicine and Pharmacotherapy*, 83, 153-159. doi: <http://dx.doi.org/10.1016/j.biopha.2016.06.017>. <http://www.sciencedirect.com/science/article/pii/S075333221630525X>

Zhang, Q.-W., Deng, X.-X., Sun, X., Xu, J.-X., & Sun, F.-Y. (2013). Exercise Promotes Axon Regeneration of Newborn Striatonigral and Corticonigral Projection Neurons in Rats after Ischemic Stroke. *Plos one*, 8(11), e80139. doi: 10.1371/journal.pone.0080139. <http://dx.doi.org/10.1371%2Fjournal.pone.0080139>

Zhang, R., Smith, P. F., & Darlington, C. L. (2005). Immunocytochemical and stereological studies of the rat vestibular nucleus: optimal research methods using glucocorticoid receptors as an example. *Journal of Neuroscience Methods*, 144(1), 99-106. doi.

Zhang, S., Burda, J. E., Anderson, M. A., Zhao, Z., Ao, Y., Cheng, Y., . . . Sofroniew, M. V. (2015). Thermoresponsive Copolyptide Hydrogel Vehicles for Central Nervous System Cell Delivery. *ACS Biomaterials Science & Engineering*. doi: 10.1021/acsbiomaterials.5b00153. <http://dx.doi.org/10.1021/acsbiomaterials.5b00153>

Zhang, S., Wang, X. J., Tian, L. P., Pan, J., Lu, G. Q., Zhang, Y. J., . . . Chen, S. D. (2011). CD200-CD200R dysfunction exacerbates microglial activation and dopaminergic neurodegeneration in a rat model of Parkinson's disease. *Journal of neuroinflammation*, 8(1), 154-154. doi.

Zhang, T., Jia, W., & Sun, X. (2010). 3-n-butylphthalide (NBP) reduces apoptosis and enhances vascular endothelial growth factor (VEGF) up-regulation in diabetic rats. *Neurological Research*, 32(4), 390-396. doi.

Zhang, T., Ma, Z., Wang, R., Wang, Y., Wang, S., Cheng, Z., . . . Wang, X. (2010). Thrombin facilitates invasion of ovarian cancer along peritoneum by inducing monocyte differentiation toward tumor-associated macrophage-like cells. *Cancer Immunology, Immunotherapy*, 59(7), 1097-1108. doi.

Zhang, T., Shi, Z., Wang, Y., Wang, L., Zhang, B., Chen, G., . . . Chen, L. (2018). Akt3 deletion in mice impairs spatial cognition and hippocampal CA1 long-term potentiation through downregulation of mTOR. *Acta Physiologica*, 0(ja), e13167. doi:10.1111/apha.13167. <https://onlinelibrary.wiley.com/doi/abs/10.1111/apha.13167>

Zhang, W., Huguenard, J. R., & Buckmaster, P. S. (2012). Increased Excitatory Synaptic Input to Granule Cells from Hilar and CA3 Regions in a Rat Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*, 32(4), 1183-1196. doi: 10.1523/jneurosci.5342-11.2012. <http://www.jneurosci.org/content/32/4/1183.abstract>

Zhang, W., Yamawaki, R., Wen, X., Uhl, J., Diaz, J., Prince, D. A., & Buckmaster, P. S. (2009). Surviving Hilar Somatostatin Interneurons Enlarge, Sprout Axons, and Form New Synapses with Granule Cells in a Mouse Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*, 29(45), 14247-14256. doi: 10.1523/jneurosci.3842-09.2009. <http://www.jneurosci.org/cgi/content/abstract/29/45/14247>

Zhang, W., Zhang, L., Liu, L., & Wang, X. (2017). Time course study of fractional anisotropy in the substantia nigra of a parkinsonian rat model induced by 6-OHDA. *Behavioural Brain Research*. doi: <http://doi.org/10.1016/j.bbr.2017.03.046>. <http://www.sciencedirect.com/science/article/pii/S0166432816313286>

Zhang, W. N., Pothuizen, H. H. J., Feldon, J., & Rawlins, J. N. P. (2004). Dissociation of function within the hippocampus: effects of dorsal, ventral and complete excitotoxic hippocampal lesions on spatial navigation. *Neuroscience*, 127(2), 289-300. doi.

Zhang, Y., Granholm, A.-C., Huh, K., Shan, L., Diaz-Ruiz, O., Malik, N., . . . Bäckman, C. M. (2012). PTEN deletion enhances survival, neurite outgrowth and function of dopamine neuron grafts to MitoPark mice. *Brain*, 135(9), 2736-2749. doi: 10.1093/brain/aws196. <http://brain.oxfordjournals.org/content/135/9/2736.abstract>

Zhang, Y., Shen, K., Bai, Y., Lv, X., Huang, R., Zhang, W., . . . Yao, H. (2016). Mir143-BBC3 cascade reduces microglial survival via interplay between apoptosis and autophagy: Implications for methamphetamine-mediated neurotoxicity. *Autophagy*, 1-22. doi: 10.1080/15548627.2016.1191723. <http://dx.doi.org/10.1080/15548627.2016.1191723>

Zhang, Y., Zhang, Y. P., Pepinsky, B., Huang, G., Shields, L. B. E., Shields, C. B., & Mi, S. (2015). Inhibition of LINGO-1 promotes functional recovery after experimental spinal cord demyelination. *Experimental Neurology*, (0).

doi: <http://dx.doi.org/10.1016/j.expneurol.2015.02.006>.
<http://www.sciencedirect.com/science/article/pii/S001448861500028X>

Zhang, Y., Zheng, Y., Zhang, Y. P., Shields, L. B. E., Hu, X., Yu, P., . . . others. (2010). Enhanced adenoviral gene delivery to motor and dorsal root ganglion neurons following injection into demyelinated peripheral nerves. *Journal of Neuroscience Research*, 88(11), 2374-2384. doi:

Zhang, Z., Bassam, B., Thomas, A. G., Williams, M., Liu, J., Nance, E., . . . Kannan, S. (2016). Maternal inflammation leads to impaired glutamate homeostasis and up-regulation of glutamate carboxypeptidase II in activated microglia in the fetal/newborn rabbit brain. *Neurobiology of Disease*. doi: <http://dx.doi.org/10.1016/j.nbd.2016.06.010>.
<http://www.sciencedirect.com/science/article/pii/S0969996116301437>

Zhang, Z., Du, X., Xu, H., Xie, J., & Jiang, H. (2015). Lesion of medulla's catecholaminergic neurons is associated with cardiovascular dysfunction in rotenone-induced Parkinson's disease rats. *European Journal of Neuroscience*, n/a-n/a. doi: 10.1111/ejn.13012. <http://dx.doi.org/10.1111/ejn.13012>

Zhang, Z., Hou, L., Song, J.-L., Song, N., Sun, Y.-j., Lin, X., . . . Ge, Y.-L. (2013). Pro-inflammatory cytokines mediated ferroportin down-regulation contributes to the nigral iron accumulation in lipopolysaccharide induced Parkinsonian models. *Neuroscience*, (0). doi: <http://dx.doi.org/10.1016/j.neuroscience.2013.09.037>.
<http://www.sciencedirect.com/science/article/pii/S0306452213008099>

Zhang, Z., Lin, Y.-A., Kim, S.-Y., Su, L., Liu, J., Kannan, R. M., & Kannan, S. (2020). Systemic dendrimer-drug nanomedicines for long-term treatment of mild-moderate cerebral palsy in a rabbit model. *Journal of neuroinflammation*, 17(1), 319. doi: 10.1186/s12974-020-01984-1
1. <https://doi.org/10.1186/s12974-020-01984-1>

Zhao, C., Aviles, C., Abel, R. A., Almli, C. R., McQuillen, P., & Pleasure, S. J. (2005). Hippocampal and visuospatial learning defects in mice with a deletion of frizzled 9, a gene in the Williams syndrome deletion interval. *Development*, 132(12), 2917-2927. doi: 10.1242/dev.01871. <http://dev.biologists.org/cgi/content/abstract/132/12/2917>

Zhao, J., Huynh, J. C., Hylin, M. J., Omalley, J., Perez, A. I., Moore, A. N., & Dash, P. K. (2017). Mild traumatic brain injury reduces spine density of projection neurons in the medial prefrontal cortex and impairs extinction of contextual fear memory. *Journal of Neurotrauma*. doi: 10.1089/neu.2016.4898. <https://doi.org/10.1089/neu.2016.4898>

Zhao, J., Hylin, M. J., Kobori, N., Hood, K. N., Moore, A. N., & Dash, P. K. (2017). Post-injury administration of galantamine reduces traumatic brain injury pathology and improves outcome. *Journal of Neurotrauma*. doi: 10.1089/neu.2017.5102. <https://doi.org/10.1089/neu.2017.5102>

Zhao, R. R., Xu, X. C., Xu, F., Zhang, W. L., & Liu, L. M. (2014). Metformin protects against seizures, learning and memory impairments and oxidative damage induced by pentylenetetrazole-induced kindling in mice. *Biochemical and Biophysical Research*

Communications, 448. doi:

10.1016/j.bbrc.2014.04.130. <http://dx.doi.org/10.1016/j.bbrc.2014.04.130>

Zhao, S., Fields, P. A., & Sherwood, O. D. (2001). Evidence That Relaxin Inhibits Apoptosis in the Cervix and the Vagina during the Second Half of Pregnancy in the Rat Endocrinology, 142, 2221-2229. doi.

Zhao, W. Q., Felice, F. G., Fernandez, S., Chen, H., Lambert, M. P., & Quon, M. J. (2008). Amyloid beta oligomers induce impairment of neuronal insulin receptors. FASEB Journal, 22. doi: 10.1096/fj.06-7703com. <http://dx.doi.org/10.1096/fj.06-7703com>

Zhao, X., & van Praag, H. (2020). Steps towards standardized quantification of adult neurogenesis. Nature Communications, 11(1), 4275. doi: 10.1038/s41467-020-18046-y. <https://doi.org/10.1038/s41467-020-18046-y>

Zhao, X., Wang, R., Xiong, J., Yan, D., Li, A., Wang, S., . . . Zhou, J. (2017). JWA antagonizes paraquat-induced neurotoxicity via activation of Nrf2. Toxicology Letters. doi: <https://doi.org/10.1016/j.toxlet.2017.04.011>.

<http://www.sciencedirect.com/science/article/pii/S0378427417301522>

Zhao, X.-F., Liao, Y., Alam, M. M., Mathur, R., Feustel, P., Mazurkiewicz, J. E., . . . Huang, Y. (2020). Microglial mTOR is neuronal protective and anti-epileptogenic in the pilocarpine model of temporal lobe epilepsy. The Journal of Neuroscience, JN-RM-2754-2719. doi: 10.1523/jneurosci.2754-19.2020. <http://www.jneurosci.org/content/early/2020/08/28/JNEUROSCI.2754-19.2020..>

Zhao, X.-L., Wang, W.-A., Tan, J.-X., Huang, J.-K., Zhang, X., Zhang, B.-Z., . . . Huang, F.-D. (2010). Expression of β -Amyloid Induced Age-Dependent Presynaptic and Axonal Changes in Drosophila. Journal of Neuroscience, 30(4), 1512-1522. doi: 10.1523/jneurosci.3699-09.2010. <http://www.jneurosci.org/cgi/content/abstract/30/4/1512>

Zhao, Y., Haney, M. J., Jin, Y. S., Uvarov, O., Vinod, N., Lee, Y. Z., . . . Batrakova, E. V. (2019). GDNF-expressing macrophages restore motor functions at a severe late-stage, and produce long-term neuroprotective effects at an early-stage of Parkinson's disease in transgenic Parkin Q31X(A) mice. Journal of Controlled Release, 315, 139-149.

doi: <https://doi.org/10.1016/j.jconrel.2019.10.027>.
<http://www.sciencedirect.com/science/article/pii/S0168365919305905>

Zhao, Y., Haney, M. J., Mahajan, V., Reiner, B. C., Dunaevsky, A., Mosley, R. L., . . . Batrakova, E. V. (2011). Active Targeted Macrophage-mediated Delivery of Catalase to Affected Brain Regions in Models of Parkinson's Disease. Journal of nanomedicine and nanotechnology, 4. doi.

Zhao, Y., Keshiya, S., Atashrazm, F., Gao, J., Ittner, L. M., Alessi, D. R., . . . Dzamko, N. (2018). Nigrostriatal pathology with reduced astrocytes in LRRK2 S910/S935 phosphorylation deficient knockin mice. Neurobiology of Disease, 120, 76-87.

doi: <https://doi.org/10.1016/j.nbd.2018.09.003>.
<http://www.sciencedirect.com/science/article/pii/S0969996118302225>

Zhao, Y., Tseng, I. C., Heyser, C. J., Rockenstein, E., Mante, M., & Adame, A. (2015). Apoptosis-mediated caspase cleavage of tau contributes to progressive supranuclear palsy pathogenesis. *Neuron*, 87. doi: 10.1016/j.neuron.2015.08.020. <http://dx.doi.org/10.1016/j.neuron.2015.08.020>

Zhao, Y., Zhang, Q., Shao, X., Ouyang, L., Wang, X., Zhu, K., & Chen, L. (2017). Decreased Glycogen Content Might Contribute to Chronic Stress-Induced Atrophy of Hippocampal Astrocyte volume and Depression-like Behavior in Rats. [Article]. *Scientific Reports*, 7, 43192. doi: 10.1038/srep43192
<http://www.nature.com/articles/srep43192#supplementary-information>. <http://dx.doi.org/10.1038/srep43192>

Zhao, Z., Loane, D. J., Murray, M. G., Stoica, B. A., & Faden, A. I. (2012). Comparing the Predictive Value of Multiple Cognitive, Affective, and Motor Tasks after Rodent Traumatic Brain Injury. *Journal of Neurotrauma*. doi.

Zheng, H., Cai, L., & Rinaman, L. (2014). Distribution of glucagon-like peptide 1-immunopositive neurons in human caudal medulla. *Brain Structure and Function*, 1-7. doi: 10.1007/s00429-014-0714-z. <http://dx.doi.org/10.1007/s00429-014-0714-z>

Zheng, K., An, J. J., Yang, F., Xu, W., Xu, Z.-Q. D., Wu, J., . . . Lu, B. (2011). TrkB signaling in parvalbumin-positive interneurons is critical for gamma-band network synchronization in hippocampus. *Proceedings of the National Academy of Sciences*. doi: 10.1073/Proceedings of the National Academy of Sciences.1114241108. <http://www.Proceedings of the National Academy of Sciences.org/content/early/2011/09/21/1114241108.abstract>

Zheng, M., Jiao, L., Tang, X., Xiang, X., Wan, X., Yan, Y., . . . Lin, X. (2017). Tau haploinsufficiency causes prenatal loss of dopaminergic neurons in the ventral tegmental area and reduction of transcription factor orthodenticle homeobox 2 expression. *The FASEB Journal*. doi: 10.1096/fj.201601303R. <http://www.fasebj.org/content/early/2017/04/19/fj.201601303R.a bstract>

Zheng, M.-H., Shi, M., Pei, Z., Gao, F., Han, H., & Ding, Y.-Q. (2009). The transcription factor RBP-J is essential for retinal cell differentiation and lamination. *Molecular Brain*, 2(1), 38. doi: <http://www.molecularbrain.com/content/2/1/38>

Zheng, W., Nowakowski, R. S., & Vaccarino, F. M. (2004). Fibroblast Growth Factor 2 Is Required for Maintaining the Neural Stem Cell Pool in the Mouse Brain Subventricular Zone. *Developmental Neuroscience*, 26(2-4), 181-196. doi: <http://www.karger.com/DOI/10.1159/000082136>

Zhong, C.-J., Chen, M.-M., Lu, M., Ding, J.-H., Du, R.-H., & Hu, G. (2018). Astrocyte-specific deletion of Kir6.1/K-ATP channel aggravates cerebral ischemia/reperfusion injury through endoplasmic reticulum stress in mice. *Experimental Neurology*. doi: <https://doi.org/10.1016/j.expneurol.2018.10.005>. <http://www.sciencedirect.com/science/article/pii/S0014488618305685>

Zhong, J., Chan, A., Morad, L., Kornblum, H. I., Fan, G., & Carmichael, S. T. (2010). Hydrogel matrix to support stem cell survival after brain transplantation in stroke. *Neurorehabilitation and Neural Repair*, 24(7), 636-644. doi.

Zhong, J., Cheng, C., Liu, H., Huang, Z., Wu, Y., Teng, Z., . . . Sun, X. (2016). Bexarotene protects against traumatic brain injury in mice partially through apolipoprotein E. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.05.033>.

<http://www.sciencedirect.com/science/article/pii/S0306452216301920>

Zhong, X., Li, H., Kim, J., & Chang, Q. (2018). Regulation of neural differentiation, synaptic scaling and animal behavior by MeCP2 phosphorylation. *Neurobiology of Learning and Memory*.

doi: <https://doi.org/10.1016/j.nlm.2018.04.014>.

<http://www.sciencedirect.com/science/article/pii/S1074742718300996>

Zhou, F., Wu, J.-Y., Sun, X.-L., Yao, H.-H., Ding, J.-H., & Hu, G. (2007). Iptakalim Alleviates Rotenone-Induced Degeneration of Dopaminergic Neurons through Inhibiting Microglia-Mediated Neuroinflammation. *Neuropsychopharmacology*. doi.

Zhou, F., Xie, S., Li, J., & Duan, S. (2019). Long noncoding RNA HOTAIR promotes cell apoptosis by sponging miR-221 in Parkinson's disease. *RSC Advances*, 9(51), 29502-29510. doi: <https://pubs.rsc.org/en/content/articlehtml/2019/ra/c9ra06107j>

Zhou, F. C., Fang, Y., & Goodlett, C. (2008). Peptidergic Agonists of Activity-Dependent Neurotrophic Factor Protect Against Prenatal Alcohol-Induced Neural Tube Defects and Serotonin Neuron Loss. *Alcoholism: Clinical and Experimental Research*, 32(8), 1361-1371. doi.

Zhou, F. C., Sahr, R. N., Sari, Y., & Behbahani, K. (2006). Glutamate and dopamine synaptic terminals in extended amygdala after 14-week chronic alcohol drinking in inbred alcohol-preferring rats. *Alcohol*, 39(1), 39-49. doi.

Zhou, G., Myers, R., Li, Y., Chen, Y., Shen, X., & Fenyk-Melody, J. (2001). Role of AMP-activated protein kinase in mechanism of metformin action. *Journal of Clinical Investigation*, 108. doi: 10.1172/jci13505. <http://dx.doi.org/10.1172/JCI13505>

Zhou, K., Boström, M., Ek, C. J., Li, T., Xie, C., Xu, Y., . . . Zhu, C. (2017). Radiation induces progenitor cell death, microglia activation, and blood-brain barrier damage in the juvenile rat cerebellum. [Article]. *Scientific Reports*, 7, 46181. doi: 10.1038/srep46181

<https://www.nature.com/articles/srep46181#supplementary-information>. <http://dx.doi.org/10.1038/srep46181>

Zhou, L., Huang, K.-X., Kecojevic, A., Welsh, A. M., & Koliatsos, V. E. (2006). Evidence that serotonin reuptake modulators increase the density of serotonin innervation in the forebrain. *Journal of Neurochemistry*, 96(2), 396-406. doi: doi:10.1111/j.1471-4159.2005.03562.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2005.03562.x>

Zhou, L., Welsh, A. M., Chen, D., & Koliatsos, V. E. (2007). NMDA inhibitors cause apoptosis of pyramidal neurons in mature piriform cortex: evidence for a nitric oxide-mediated effect involving inhibitory interneurons. *Neuropharmacology*, 52(7), 1528-1537. doi.

Zhou, L., Yin, J., Wang, C., Liao, J., Liu, G., & Chen, L. (2014). Lack of seipin in neurons results in anxiety- and depression-like behaviors via down regulation of PPARgamma. *Human Molecular Genetics*, 23. doi: 10.1093/hmg/ddu126. <http://dx.doi.org/10.1093/hmg/ddu126>

Zhou, Q., Yen, A., Rymarczyk, G., Asai, H., Trengrove, C., Aziz, N., . . . Bolotina, V. M. (2016). Impairment of PARK14-dependent Ca²⁺ signalling is a novel determinant of Parkinson's disease. [Article]. *Nat Commun*, 7. doi: 10.1038/ncomms10332. <http://dx.doi.org/10.1038/ncomms10332>

Zhou, W., Bolden-Tiller, O. U., Shao, S. H., Weng, C. C., Shetty, G., AbuElhija, M., . . . others. (2011). Estrogen-Regulated Genes in Rat Testes and Their Relationship to Recovery of Spermatogenesis after Irradiation 1. *Biology of Reproduction*, 85(4), 823-833. doi.

Zhou, W., Wang, G., Small, C. L., Liu, Z., Weng, C. C., Yang, L., . . . Meistrich, M. L. (2011). Gene Expression Alterations by Conditional Knockout of Androgen Receptor in Adult Sertoli Cells of Utp14bjsd/jsd (jsd) Mice. *Biology of Reproduction*, 84(2), 400-408. doi: 10.1095/biolreprod.110.090530. <http://www.biolreprod.org/content/84/2/400.short>

Zhou, X., Pace, J., Filichia, E., Lv, T., Davis, B., Hoffer, B., . . . Luo, Y. (2016). Dopaminergic neurons. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.06.013>. <http://www.sciencedirect.com/science/article/pii/S0014488616301789>

Zhou, X., Pace, J., Filichia, E., Lv, T., Davis, B., Hoffer, B., . . . Luo, Y. (2016). Dopaminergic neurons. *Experimental Neurology*. doi: <http://dx.doi.org/10.1016/j.expneurol.2016.06.013>. <http://www.sciencedirect.com/science/article/pii/S0014488616301789>

Zhou, X., Qyang, Y., Kelsoe, J. R., Masliah, E., & Geyer, M. A. (2007). Impaired postnatal development of hippocampal dentate gyrus in Sp4 null mutant mice. *Genes, Brain and Behavior*, 6(3), 269-276. doi: doi:10.1111/j.1601-183X.2006.00256.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1601-183X.2006.00256.x>

Zhou, X., & Spittau, B. (2017). Lipopolysaccharide-Induced Microglia Activation Promotes the Survival of Midbrain Dopaminergic Neurons In Vitro. [journal article]. *Neurotoxicity research*. doi: 10.1007/s12640-017-9842-6. <https://doi.org/10.1007/s12640-017-9842-6>

Zhou, Y., Liu, M.-D., Fan, Y., Ding, J.-H., Du, R.-H., & Hu, G. (2012). Enhanced MK-801-induced locomotion in Kir6.2 knockout mice. *Neuroscience Research*, (0). doi: 10.1016/j.neures.2012.10.002. <http://www.sciencedirect.com/science/article/pii/S0168010212001964>

Zhou, Y., Zhang, Y., Li, J., Lv, F., Zhao, Y., Duan, D., & Xu, Q. (2012). A comprehensive study on long-term injury to nigral dopaminergic neurons following intracerebroventricular injection

of lipopolysaccharide in rats. *Journal of Neurochemistry*, n/a-n/a. doi: 10.1111/jnc.12010. <http://dx.doi.org/10.1111/jnc.12010>

Zhou, Y., Zhou, L., Chen, H., & Koliatsos, V. E. (2006). An AMPA glutamatergic receptor activation-nitric oxide synthesis step signals transsynaptic apoptosis in limbic cortex. *Neuropharmacology*, 51(1), 67-76. doi.

Zhou, Y., Zhu, J., Lv, Y., Song, C., Ding, J., Xiao, M., . . . Hu, G. (2018). Kir6.2 Deficiency Promotes Mesencephalic Neural Precursor Cell Differentiation via Regulating miR-133b/GDNF in a Parkinson's Disease Mouse Model. [journal article]. *Molecular Neurobiology*. doi: 10.1007/s12035-018-1005-0. <https://doi.org/10.1007/s12035-018-1005-0>

Zhu, C., & Blomgren, K. (2012). Morphological Assessments of Neonatal Hypoxia-Ischemia: In Situ Cell Degeneration. *Springer Protocols Handbooks*. doi.

Zhu, C., Gao, J., Karlsson, N., Li, Q., Zhang, Y., Huang, Z., . . . Blomgren, K. (2010). Isoflurane anesthesia induced persistent, progressive memory impairment, caused a loss of neural stem cells, and reduced neurogenesis in young, but not adult, rodents. *Journal of Cerebral Blood Flow and Metabolism*, 30(5), 1017-1030. doi.

Zhu, C., Gao, J., Li, Q., Huang, Z., Zhang, Y., Li, H., . . . Blomgren, K. (2011). Repeated exposure of the developing rat brain to magnetic resonance imaging did not affect neurogenesis, cell death or memory function. *Biochemical and Biophysical Research Communications*, 404(1), 291-296. doi.

Zhu, C., Huang, Z., Gao, J., Zhang, Y., Wang, X., Karlsson, N., . . . Blomgren, K. (2009). Irradiation to the immature brain attenuates neurogenesis and exacerbates subsequent hypoxic-ischemic brain injury in the adult. *Journal of Neurochemistry*, 111(6), 1447-1456. doi.

Zhu, C., Qiu, L., Wang, X., Xu, F., Nilsson, M., Cooper-Kuhn, C., . . . Blomgren, K. (2008). Age-dependent regenerative responses in the striatum and cortex after hypoxia-ischemia. *Journal of Cerebral Blood Flow and Metabolism*. doi.

Zhu, C., Vourc'h, P., Fernagut, P. O., Fleming, S. M., Lacan, S., Dicarlo, C. D., . . . Chesselet, M. F. (2004). Variable effects of chronic subcutaneous administration of rotenone on striatal histology. *Journal of Comparative Neurology*, 478(4), 418-426. doi.

Zhu, D. Y., Liu, S. H., Sun, H. S., & Lu, Y. M. (2003). Expression of Inducible Nitric Oxide Synthase after Focal Cerebral Ischemia Stimulates Neurogenesis in the Adult Rodent Dentate Gyrus. *Journal of Neuroscience*, 23(1), 223-229. doi. <http://www.jneurosci.org/cgi/content/abstract/23/1/223>

Zhu, G., Duan, M., Wei, L., Trebilco, R., Bestley, S., & Walters, A. (2020). Determination and precision of otolith growth zone estimates of *Electrona antarctica* in the Southern Kerguelen Plateau region in the Indian sector of the Southern Ocean. *Deep Sea Research Part II: Topical Studies in Oceanography*, 104778. doi: <https://doi.org/10.1016/j.dsr2.2020.104778>. <http://www.sciencedirect.com/science/article/pii/S0967064518300791>

Zhu, H., Ornaghi, F., Belin, S., Givogri, M. I., Wrabetz, L., & Bongarzone, E. R. (2016). Generation of a LacZ reporter transgenic mouse line for the stereological analysis of oligodendrocyte loss in galactosylceramidase deficiency. *Journal of Neuroscience Research*, n/a-n/a. doi: 10.1002/jnr.23839. <http://dx.doi.org/10.1002/jnr.23839>

Zhu, J., Hu, Z., Han, X., Wang, D., Jiang, Q., Ding, J., . . . Hu, G. (2018). Dopamine D2 receptor restricts astrocytic NLRP3 inflammasome activation via enhancing the interaction of β -arrestin2 and NLRP3. *Cell Death and Differentiation*. doi: 10.1038/s41418-018-0127-2. [2. https://doi.org/10.1038/s41418-018-0127-2](https://doi.org/10.1038/s41418-018-0127-2)

Zhu, J., Zhang, X., Xu, Y., Spencer, T. J., Biederman, J., & Bhide, P. G. (2012). Prenatal Nicotine Exposure Mouse Model Showing Hyperactivity, Reduced Cingulate Cortex Volume, Reduced Dopamine Turnover, and Responsiveness to Oral Methylphenidate Treatment. *Journal of Neuroscience*, 32(27), 9410-9418. doi: 10.1523/jneurosci.1041-12.2012. <http://www.jneurosci.org/content/32/27/9410.abstract>

Zhu, W., Li, X., Xie, W., Luo, F., Kaur, D., Andersen, J. K., . . . Le, W. (2010). Genetic iron chelation protects against proteasome inhibition-induced dopamine neuron degeneration. *Neurobiology of Disease*, 37(2), 307-313. doi:

Zhu, W., Xie, W., Pan, T., Jankovic, J., Li, J., Youdim, M. B. H., & Le, W. (2008). Comparison of neuroprotective and neurorestorative capabilities of rasagiline and selegiline against lactacystin-induced nigrostriatal dopaminergic degeneration. *Journal of Neurochemistry*. doi: doi:10.1111/j.1471-4159.2008.05330.x. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1471-4159.2008.05330.x>

Zhu, X., Vasilyeva, O. N., Kim, S., Jacobson, M., Romney, J., Waterman, M. S., . . . Frisina, R. D. (2007). Auditory efferent feedback system deficits precede age-related hearing loss: Contralateral suppression of otoacoustic emissions in mice. *Journal of Comparative Neurology*, 503(5), 593-604. doi:

Zhu, X., Yan, J., Bregere, C., Zelmer, A., Goerne, T., Kapfhammer, J. P., . . . Wellmann, S. (2019). RBM3 promotes neurogenesis in a niche-dependent manner via IMP2-IGF2 signaling pathway after hypoxic-ischemic brain injury. *Nature Communications*, 10(1), 3983. doi: 10.1038/s41467-019-11870-x. <https://doi.org/10.1038/s41467-019-11870-x>

Zhu, Y., Fenik, P., Zhan, G., Mazza, E., Kelz, M., Aston-Jones, G., & Veasey, S. C. (2007). Selective Loss of Catecholaminergic Wake Active Neurons in a Murine Sleep Apnea Model. *Journal of Neuroscience*, 27(37), 10060-10071. doi: 10.1523/jneurosci.0857-07.2007. <http://www.jneurosci.org/cgi/content/abstract/27/37/10060>

Zhu, Y., Hou, H., Rezai-Zadeh, K., Giunta, B., Ruscin, A., Gemma, C., . . . Tan, J. (2011). CD45 Deficiency Drives Amyloid- β Peptide Oligomers and Neuronal Loss in Alzheimer's Disease Mice. *Journal of Neuroscience*, 31(4), 1355-1365. doi: 10.1523/jneurosci.3268-10.2011. <http://www.jneurosci.org/cgi/content/abstract/31/4/1355>

Zhu, Y., Nwabuisi-Heath, E., Dumanis, S. B., Tai, L. M., Yu, C., Rebeck, G. W., & Ladu, M. J. (2012). APOE genotype alters glial activation and loss of synaptic markers in mice. *Glia*, 60(4), 559-569. doi: 10.1002/glia.22289. <http://dx.doi.org/10.1002/glia.22289>

Ziegler, A. N., Feng, Q., Chidambaram, S., Testai, J. M., Kumari, E., Rothbard, D. E., . . . Levison, S. W. (2019). Insulin-like Growth Factor II: An Essential Adult Stem Cell Niche Constituent in Brain and Intestine. *Stem Cell Reports*.

doi: <https://doi.org/10.1016/j.stemcr.2019.02.011>.

<http://www.sciencedirect.com/science/article/pii/S2213671119300591>

Ziegler, G., Freyer, D., Harhausen, D., Khojasteh, U., Nietfeld, W., & Trendelenburg, G. (2010). Blocking TLR2 in vivo protects against accumulation of inflammatory cells and neuronal injury in experimental stroke. *Journal of Cerebral Blood Flow and Metabolism*, 31(2), 757-766. doi.

Ziegler, K. K., Blackmon, W., Hasselrot, U., Buxhoeveden, D. P., & Booze, R. (2008). Layer III Pyramidal Cells and Cell Column Spacing in HIV-1 Transgenic Rats. *Impulse: an Undergraduate Journal for Neuroscience*. doi.

Zielinski, M. R., Kim, Y., Karpova, S. A., Winston, S., McCarley, R. W., Strecker, R. E., & Gerashchenko, D. (2013). Sleep active cortical neurons expressing neuronal nitric oxide synthase are active after both acute sleep deprivation and chronic sleep restriction. *Neuroscience*. doi.

Zike, I. D., Chohan, M. O., Kopelman, J. M., Krasnow, E. N., Flicker, D., Nautiyal, K. M., . . . Veenstra-VanderWeele, J. (2017). OCD candidate gene SLC1A1/EAAT3 impacts basal ganglia-mediated activity and stereotypic behavior. *Proceedings of the National Academy of Sciences*. doi:

10.1073/pnas.1701736114.

<http://www.pnas.org/content/early/2017/05/09/1701736114.abstr>

Zikopoulos, B., & Barbas, H. (2006). Prefrontal Projections to the Thalamic Reticular Nucleus form a Unique Circuit for Attentional Mechanisms. *Journal of Neuroscience*, 26(28), 7348- 7361. doi: 10.1523/jneurosci.5511-

05.2006. <http://www.jneurosci.org/cgi/content/abstract/26/28/7348>

Zikopoulos, B., & Barbas, H. (2007). Parallel driving and modulatory pathways link the prefrontal cortex and thalamus. *PLoS ONE*, 2(9), e848-e848. doi.

Zikopoulos, B., & Barbas, H. (2010). Changes in Prefrontal Axons May Disrupt the Network in Autism. *Journal of Neuroscience*, 30(44), 14595-14609. doi: 10.1523/jneurosci.2257- 10.2010.

<http://www.jneurosci.org/cgi/content/abstract/30/44/14595>

Zikopoulos, B., & Barbas, H. (2012). Pathways for Emotions and Attention Converge on the Thalamic Reticular Nucleus in Primates. *Journal of Neuroscience*, 32(15), 5338-5350. doi.

Zikopoulos, B., García-Cabezas, M. Á., & Barbas, H. (2018). Parallel trends in cortical gray and white matter architecture and connections in primates allow fine study of pathways in humans and reveal network disruptions in autism. *PLoS biology*, 16(2), e2004559. doi: 10.1371/journal.pbio.2004559. <https://doi.org/10.1371/journal.pbio.2004559>

Zikopoulos, B., John, Y. J., García-Cabezas, M. Á., Bunce, J. G., & Barbas, H. (2016). The intercalated nuclear complex of the primate amygdala. *Neuroscience*.

doi: <http://dx.doi.org/10.1016/j.neuroscience.2016.05.052>.
<http://www.sciencedirect.com/science/article/pii/S0306452216302111>

Zikopoulos, B., Liu, X., Tepe, J., Trutzer, I., John, Y. J., & Barbas, H. (2018). Opposite development of short- and long-range anterior cingulate pathways in autism. [journal article]. *Acta Neuropathologica*. doi: 10.1007/s00401-018-1904-1
1. <https://doi.org/10.1007/s00401-018-1904-1>

Zilka, N., Filipcik, P., Koson, P., Fialova, L., Skrabana, R., Zilkova, M., . . . Novak, M. (2006). Truncated tau from sporadic Alzheimer's disease suffices to drive neurofibrillary degeneration in vivo. *FEBS Letters*, 580(15), 3582-3588. doi.

Ziogas, N. K., & Koliatsos, V. E. (2018). Primary traumatic axonopathy in mice subjected to impact acceleration: a reappraisal of pathology and mechanisms with high-resolution anatomical methods. [10.1523/JNEUROSCI.2343-17.2018]. *The Journal of Neuroscience*. doi.
<http://www.jneurosci.org/content/early/2018/03/22/JNEUROSCI.2343-17.2018>...

Zirger, J. M., Puntel, M., Bergeron, J., Wibowo, M., Moridzadeh, R., Bondale, N., . . . others. (2012). Immune-mediated Loss of Transgene Expression From Virally Transduced Brain Cells Is Irreversible, Mediated by IFN γ , Perforin, and TNF α , and due to the Elimination of Transduced Cells. *Molecular Therapy*. doi.

Zmener, O., Pameijer, C. H., & Macri, E. (2005). Evaluation of the Apical Seal in Root Canals Prepared with a New Rotary System and Obturated with a Methacrylate Based Endodontic Sealer: An In Vitro Study. *Journal of Endodontics*, 5, 392-395. doi.

Zöller, T., Attaai, A., Potru, P., Ruß, T., & Spittau, B. (2018). Aged Mouse Cortical Microglia Display an Activation Profile Suggesting Immunotolerogenic Functions. *International Journal of Molecular Sciences*, 19(3), 706. doi: <http://www.mdpi.com/1422-0067/19/3/706>

Zonouzi, M., Scafidi, J., Li, P., McEllin, B., Edwards, J., Dupree, J. L., . . . Cull-Candy, S. G. (2015). GABAergic regulation of cerebellar NG2 cell development is altered in perinatal white matter injury. *Nature Neuroscience*. doi: <http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3990.html>

Zorick, T. S., Syroid, D. E., Brown, A., Gridley, T., & Lemke, G. (1999). Krox-20 controls SCIP expression, cell cycle exit and susceptibility to apoptosis in developing myelinating Schwann cells. *Development*, 126, 1397-1406. doi.

Zou, J., Pan, Y.-W., Wang, Z., Chang, S.-Y., Wang, W., Wang, X., . . . Xia, Z. (2012). Targeted Deletion of ERK5 MAP Kinase in the Developing Nervous System Impairs Development of GABAergic Interneurons in the Main Olfactory Bulb and Behavioral Discrimination between Structurally Similar Odorants. *Journal of Neuroscience*, 32(12), 4118-4132. doi: 10.1523/jneurosci.6260-11.2012.
<http://www.jneurosci.org/content/32/12/4118.abstract>

Zou, J., Storm, D. R., & Xia, Z. (2013). Conditional Deletion of ERK5 MAP Kinase in the Nervous System Impairs Pheromone Information Processing and Pheromone-Evoked Behaviors. *Plos one*, 8(10), e76901. doi: 10.1371/journal.pone.0076901. <http://dx.doi.org/10.1371%2Fjournal.pone.0076901>

Zou, Y., Niu, W., Qin, S., Downes, M., Burns, D. K., & Zhang, C.-L. (2012). The nuclear receptor TLX is required for gliomagenesis within the adult neurogenic niche. *Molecular and Cellular Biology*. doi: 10.1128/mcb.01122-

12. <http://mcb.asm.org/content/early/2012/09/25/MCB.01122-12.abstract>

Zucker, B., Kama, J. A., Kuhn, A., Thu, D., Orlando, L. R., Dunah, A. W., . . . others. (2010). Decreased Lin7b expression in layer 5 pyramidal neurons may contribute to impaired corticostriatal connectivity in huntington disease. *Journal of Neuropathology and Experimental Neurology*, 69(9), 880-880. doi.

Zuloaga, D. G., Morris, J. A., Monks, D. A., Breedlove, S. M., & Jordan, C. L. (2007). Androgen-sensitivity of somata and dendrites of spinal nucleus of the bulbocavernosus (SNB) motoneurons in male C57BL6J mice. *Hormones and Behavior*, 51(2), 207-212. doi.

Zuo, F.-X., Bao, X.-J., Sun, X.-C., Wu, J., Bai, Q.-R., Chen, G., . . . Shen, Q. (2015). Transplantation of Human Neural Stem Cells in a Parkinsonian Model Exerts Neuroprotection via Regulation of the Host Microenvironment. *International Journal of Molecular Sciences*, 16(11), 26473- 26492. doi. <http://www.mdpi.com/1422-0067/16/11/25966/htm>

Zupan, B., Sharma, A., Frazier, A., Klein, S., & Toth, M. (2016). Programming social behavior by the maternal fragile X protein. *Genes, Brain and Behavior*, n/a-n/a. doi: 10.1111/gbb.12298. <http://dx.doi.org/10.1111/gbb.12298>

Zweckberger, K., Ahuja, C. S., Liu, Y., Wang, J., & Fehlings, M. G. (2016). Self-assembling peptides optimize the post-traumatic milieu and synergistically enhance the effects of neural stem cell therapy after cervical spinal cord injury. *Acta Biomaterialia*.

doi: <http://dx.doi.org/10.1016/j.actbio.2016.06.016>. <http://www.sciencedirect.com/science/article/pii/S1742706116302938>

Zwirner, J., Möbius, D., Bechmann, I., Arendt, T., Hoffmann, K.-T., Jäger, C., . . . Hammer, N. (2016). Subthalamic nucleus volumes are highly consistent but decrease age-dependently— a combined magnetic resonance imaging and stereology approach in humans. *Human Brain Mapping*, n/a-n/a. doi: 10.1002/hbm.23427. <http://dx.doi.org/10.1002/hbm.23427>