Neurolucida® Explorer software

Release Notes

Version 2023.1.1 (August 2023)

NEW FEATURES AND ENHANCEMENTS

- Vessel Analysis: Vessel analyses have been included in Neurolucida Explorer to accompany the release of the new Neurolucida 360 Ultra package which includes advanced modeling features and enables you to explore the intricate dynamics of neuronal and vascular interactions with a single software package. Neurolucida Explorer vessel analyses include:
  - Anastomoses
  - Networks
  - Nodes
  - Segments
  - Closed Surface
  - Convex Hull
  - Sholl
- Fractal Analysis added to the software
- New Fiber Orientation results
- Polar histogram, Dendrogram and Fan In analyses are now available for Batch export
- Improved puncta-selection visualization added

ISSUES RESOLVED

- Fixed issue with soma-name results in Puncta Analysis
- Resolved issue with printing settings
- Bounding box display during rotation now persists
- Fixed issue that occurred when reporting region volume if some contours are on the same z plane

Version 2022.2.1 (November 2022)

NEW FEATURES AND ENHANCEMENTS

- Centroid coordinates added to the Tube wall analysis table
- Updated result tables
- Updated the Varicosity analyses in the Batch export
- Nearest Neighbor puncta analysis report expanded to all objects

ISSUES RESOLVED

- Fixed issue working with sets in Batch export
- Resolved issue with calculating contours in closed contours
- Preference changes to the angle measurement will update immediately
- Fixed issue with Closed Surface analysis working with the Batch export