

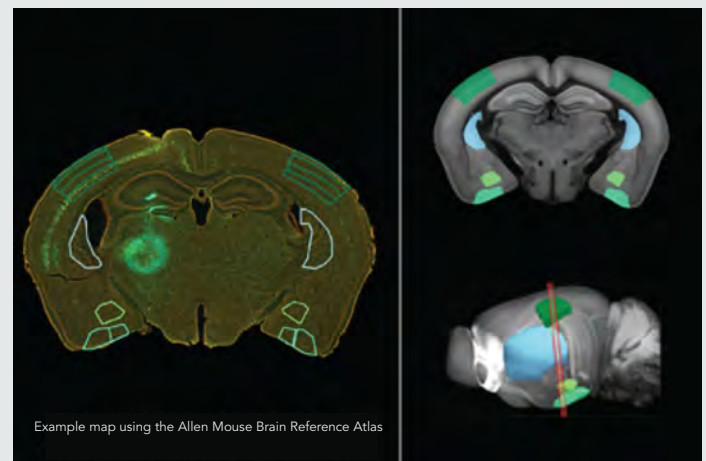
Performs brain-wide analyses that are standardized to reference brain atlases

Join the growing group of scientists using NeuroInfo® to standardize and compare findings

NeuroInfo is a revolutionary software application that standardizes brain measurements across studies and laboratories. Use NeuroInfo to register mouse or rat brain sections in whole slide images or 3D images from light sheet microscopes to the Allen Mouse Brain Atlas or the Waxholm Rat Brain Space. Once registered, images and subsequent measurements can be cross-referenced, with anatomic specificity, to findings from other specimens, studies, and research groups. NeuroInfo replaces the tedious manual processes of tracing brain regions and marking cells in experimental images while paging through a printed or on-line reference atlas.

## Automate Complex Tasks—From Whole-Brain Reconstruction to Cell Detection

- Align whole-slide images of experimental mouse brain sections to the Allen Mouse Brain Atlas
- Align whole-slide images of experimental rat brain sections to the Waxholm Rat Brain Atlas
- Identify and delineate anatomical regions in experimental sections automatically
- Detect cells within anatomical regions, with the option to include artificial intelligence (AI)-powered algorithms for detecting cFos-positive and pyramidal neurons
- Tabulate measurements within anatomical regions
- Map all image measurements to anatomies in a standardized atlas space so that results can be compared across animals, experiments, and laboratories

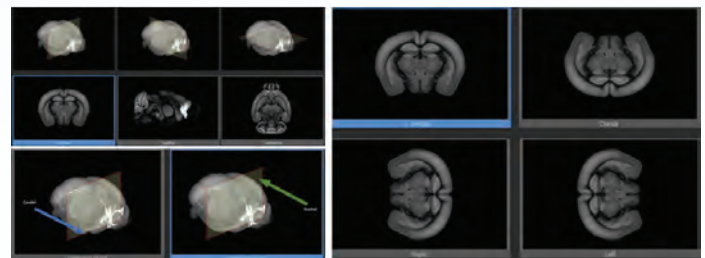


## Most Brain Sections are Supported

- Use sections cut in any orientation (e.g., coronal, sagittal or horizontal)
- Automatically accommodate differences in histological processing between laboratories
- Use whole slide images from virtually any commercial slide-scanner

## Use Intact Brains or Hemispheres Imaged with Light Sheet or Confocal Microscopes

- Use various clearing and imaging techniques
- Automatically accommodate differences in histological processing between laboratories

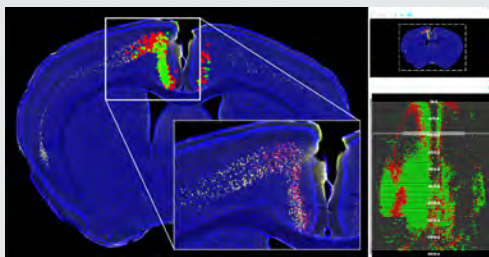
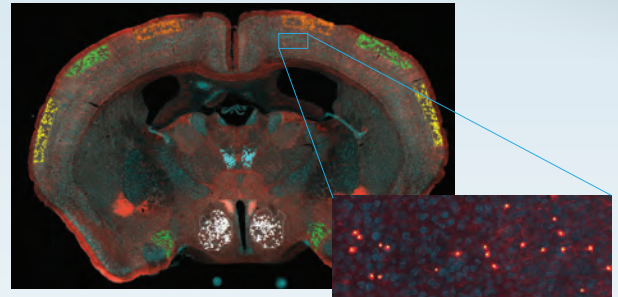


# NeuroInfo®

Performs brain-wide analyses that are standardized to reference brain atlases



NeuroInfo utilizes the most advanced registration technology to put all of your measurements into a common reference space. Any measurement can be objectively compared across animals, cohorts, experiments, and laboratories. Cell counts and region delineations can be mapped to Allen Mouse Brain Atlas or the Waxholm Rat Brain Atlas coordinates and be quantified by brain region.



## NeuroInfo Can Also Include Our BrainMaker® Technology

- Generate full-resolution 3D whole-brain volumes from 2D whole slide images
- Visualize the entire brain to see neuronal pathways, cell distributions, vascular patterns, and additional features
- Input big image data from scanning entire-brain series at high resolution

## Advanced Cell Detection Algorithms

- Automatically detect cells throughout the brain or in specific regions using the exclusive NeuroInfo cell-detection process with the option to include AI for detecting certain cell types, such as cFos positive cells and pyramidal neurons
- Detect, visualize, and record locations of millions of cells in a brain

Learn more: [mbfbioscience.com/products/neuroinfo](https://mbfbioscience.com/products/neuroinfo)



## About MBF Bioscience

A rich history of creating the future of neuroscience.

MBF Bioscience develops advanced tools for collecting and analyzing accurate, reproducible data from histological specimens, 2D and 3D microscope images, and freely moving *C. elegans* so that scientists can better understand brain diseases and processes at a cellular level.

Our products have helped researchers publish over 17,000 peer reviewed papers.

## What our customers say

“The NeuroInfo software is so good. It compensates for students' inexperience. They always lay down sections in the wrong order and have trouble recognizing the anatomy. This solves that problem.

Hermína Nedelescu, Ph.D.  
Scripps Research

“We've been very happy for many years with MBF products and the course of upgrades and improvements. Your service department is outstanding.

William E. Armstrong, Ph.D.  
University of Tennessee

