



Neurolucida® Explorer software

Release Notes

Version 2025.2.1 (October 2025)

NEW FEATURES AND ENHANCEMENTS

- New Explore ribbon to visualize data and object interactions using color maps
- New custom spine classification added to the Dendrite Spines analysis
- Updated min/max cross-sectional area in Punctum Details analysis
- Updated licensing information in File menu and support for multi-user computers
- Vessels added to the Convex Hull analysis
- Improved user interface when selecting options in Puncta Density analysis
- Set name is included in Batch export of individual files
- Vessel analyses added to the Batch export
- Improved the speed of Puncta Details analysis
- New Spatial Proximity analysis for somas, trees, vessels and puncta
- Updates to the Closed Surface analysis options
- Improvements to Closed Surface analysis speed for many trees and vessels

ISSUES RESOLVED

- Fixed issue when selecting markers in Traced Structure panel

Version 2025.1.1 (January 2025)

LICENSING UPDATE

- Update to offline software licensing. Neurolucida Explorer software requires reactivation on systems that do not have access to the internet. [Instructions for offline software activation](#) are included in the Neurolucida Explorer user guide.

NEW FEATURES AND ENHANCEMENTS

- Nearest neighbor analysis updated to report on puncta in all color channels
- Added a new option to save all results to a single Excel file
- Somas were added to the puncta colocalization analysis
- Closed surface analyses can now be conducted with more structures, including spines and varicosities

Version 2024.1.1 (January 2024)

NEW FEATURES AND ENHANCEMENTS

- An alert is now displayed when a file name exceeds the 30-character limit

- The recent file list now updates during Neurolucida Explorer sessions
- The results tables have been updated throughout to enhance clarity and usability
- New ability to set the interval for the Tree Interval analysis
- Data files that include results from using the Detect Orientation tool now display orientation arrows. The vector coordinates and eigenvalues are also now included in the Fiber Orientation analysis report.
- Convex Hull report now includes the Feret min and max

ISSUES RESOLVED

- Fixed an issue with a set property
- Fixed an issue with renaming multiple files with name conflicts
- Scale bar display fixed
- Soma ID updates when included in the puncta distance to additional structures analysis
- Printing will respect background color
- Fixed 3D scale bar bounding box display issue
- Resolved issue in dendritic spines analysis
- Fixed issue with 3D contour summary report
- Fixed issue that could cause a slow down generating reports in Batch analysis