Neurolucida® 360 software

Release Notes

Version 2022.1.1 (November 2022)

NEW FEATURES AND ENHANCEMENTS

- New *Batch Pipeline* enables easy-to-use batch processing for image filtering and detection of neuronal structures
- New *Pipelines* ribbon now houses features previously located in the *Automatic* section of the *Trace* Ribbon
- Improved & expanded image support
- New automatic, smart image-optimization preference for low-signal images available
- Improvements to puncta detections, including recognition of manually traced soma for proximity-based puncta detection.
- New display adjustment for visualizing varicosities
- The subvolume tool is now restricted by the bounds of the image
- In the Cell detection workflow, the image source is automatically updated based on the image modality selected
- Image montage can now assemble images of varying x/y sizes

SPARC Users

- SPARC vocabulary term lists displayed as ontological trees
- New *Import 3D Model* tool for displaying generic SPARC organ scaffolds in the 3D environment
- Generate parametric models of neural tree tracings
- New *Reduce points* slider makes it even easier to minimize the number of points used in tree reconstructions

ISSUES RESOLVED

Neurolucida 360 3D environment

- Fixed 3D settings to save between sessions
- A clipped tracing will adjust z position to follow the image slice adjustment
- Image slice plane will follow the user-guided tracing
- Markers will be displayed in image slice mode
- Fixed issue with maximum projection display
- Resolved issue saving current plane after changing the displayed plane