Neurolucida® 360 software

Release Notes

Version 2023.1.1 (August 2023)

NEW FEATURES AND ENHANCEMENTS

- New *Ultra* package adds the ability to reconstruct vessels
- New image filters added to the *Batch Pipeline*: Image Sharpening & Background Subtraction
- New image filter dropdown menu on the *Image* ribbon
- Added support for using 12-bit images in the Golgi filter
- Improved & expanded image support, including .vsi support
- New *Surface* capabilities including by branch order, class and diameter
- New *Measure Intensity* feature to collect intensity data of 3D structures
- New *Detect orientation* feature to model the orientation vector of fibers
- Spine Classification added to the batch tracing options
- Improvements to automatic tracing setup in subvolume
- Improvements to puncta detection messages
- Save 3D reconstruction settings for the *Batch Pipeline* with the icon now located in the top 3D button tool panel
- Improvements to multi-marker selection and editing
- Compression and .tif save now supported for *Crop* tool

ISSUES RESOLVED

Neurolucida 360 3D environment

- Resolved issue to hide spines for .svg export
- Fixed problem with background color export
- Editing spine points no longer disables spine selection
- Resolved issue with entering a value outside of the range for puncta detection proximity
- Fixed issue with arrows displaying incorrectly in orthoview
- In the Cell detection workflow, fixed issue entering the strength value