Resource Summary Report

Generated by NIF on Apr 18, 2025

SBFSEM-tools

RRID:SCR_017350
Type: Tool

Proper Citation

SBFSEM-tools (RRID:SCR_017350)

Resource Information

URL: https://github.com/neitzlab/sbfsem-tools

Proper Citation: SBFSEM-tools (RRID:SCR_017350)

Description: Data analysis and 3D visualization for connectomics and serial electron microscopy. This toolbox provides missing 3D visualization and analysis tools for cylinder-based annotations. Integration with contour, skeleton based annotations and common morphology file formats is also supported.

Resource Type: data processing software, software application, data analysis software, software resource, 3d visualization software, data visualization software

Defining Citation: DOI:10.1101/667204

Keywords: Data analysis, 3D visualization, connectomics, serial electron microscopy, annotation, morphology

Funding: NEI EY027859;
NINDS NS099578;
NEI EY07031;
NEI EY001730

Availability: Free, Available for download, Freely available

Resource Name: SBFSEM-tools

Resource ID: SCR_017350

Alternate URLs: https://github.com/neitzlab/SBFSEM-tools

License: MIT License

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250418T055509+0000

Ratings and Alerts

No rating or validation information has been found for SBFSEM-tools.

No alerts have been found for SBFSEM-tools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Patterson SS, et al. (2024) Synaptic Origins of the Complex Receptive Field Structure in Primate Smooth Monostratified Retinal Ganglion Cells. eNeuro, 11(1).

Goyal M, et al. (2023) Trogocytosis of neurons and glial cells by microglia in a healthy adult macaque retina. Scientific reports, 13(1), 633.

Bordt AS, et al. (2022) Synaptic inputs to displaced intrinsically-photosensitive ganglion cells in macaque retina. Scientific reports, 12(1), 15160.

Patterson SS, et al. (2022) Conserved circuits for direction selectivity in the primate retina. Current biology : CB, 32(11), 2529.

Bordt AS, et al. (2021) Synaptic inputs to broad thorny ganglion cells in macaque retina. The Journal of comparative neurology, 529(11), 3098.

Patterson SS, et al. (2020) Wide-field amacrine cell inputs to ON parasol ganglion cells in macaque retina. The Journal of comparative neurology, 528(9), 1588.

Patterson SS, et al. (2020) A Color Vision Circuit for Non-Image-Forming Vision in the Primate Retina. Current biology : CB, 30(7), 1269.

Patterson SS, et al. (2019) An S-cone circuit for edge detection in the primate retina. Scientific reports, 9(1), 11913.

Bordt AS, et al. (2019) Synaptic inputs from identified bipolar and amacrine cells to a

sparsely branched ganglion cell in rabbit retina. Visual neuroscience, 36, E004.