Resource Summary Report

Generated by NIF on May 16, 2025

Neuroglancer

RRID:SCR_015631
Type: Tool

Proper Citation

Neuroglancer (RRID:SCR_015631)

Resource Information

URL: https://github.com/google/neuroglancer

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Description: WebGL-based viewer for volumetric data. It is capable of displaying arbitrary (non axis-aligned) cross-sectional views of volumetric data, as well as 3-D meshes and line-segment based models (skeletons).

Resource Type: software resource, data visualization software, software application, data processing software

Keywords: neuronal reconstruction, volumetric data, 3d mesh, webgl, arbitrary cross-sectional view, line-segment based model, google

Funding:

Availability: Open Source, Demo available

Resource Name: Neuroglancer

Resource ID: SCR_015631

Alternate URLs: https://opensource.google.com/projects/neuroglancer

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Record Creation Time: 20220129T080326+0000

Record Last Update: 20250516T054108+0000

Ratings and Alerts

No rating or validation information has been found for Neuroglancer.

No alerts have been found for Neuroglancer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Fang LP, et al. (2025) Oligodendrocyte precursor cells facilitate neuronal lysosome release. Nature communications, 16(1), 1175.

Zimmerman CA, et al. (2024) A neural mechanism for learning from delayed postingestive feedback. bioRxiv : the preprint server for biology.

Pietramale AN, et al. (2024) Mitochondria are absent from microglial processes performing surveillance, chemotaxis, and phagocytic engulfment. bioRxiv : the preprint server for biology.

Dorkenwald S, et al. (2024) Neuronal wiring diagram of an adult brain. Nature, 634(8032), 124.

Matsliah A, et al. (2024) Neuronal parts list and wiring diagram for a visual system. Nature, 634(8032), 166.

Bame X, et al. (2024) Mitochondrial network reorganization and transient expansion during oligodendrocyte generation. Nature communications, 15(1), 6979.

Han X, et al. (2024) Multiplexed volumetric CLEM enabled by scFvs provides insights into the cytology of cerebellar cortex. Nature communications, 15(1), 6648.

Wohlmann J, et al. (2024) Expanding the field of view - a simple approach for interactive visualisation of electron microscopy data. Journal of cell science, 137(20).

Vishwanathan A, et al. (2024) Predicting modular functions and neural coding of behavior from a synaptic wiring diagram. Nature neuroscience, 27(12), 2443.

Jeon H, et al. (2024) eLemur: A cellular-resolution 3D atlas of the mouse lemur brain. Proceedings of the National Academy of Sciences of the United States of America, 121(50), e2413687121.

Stürner T, et al. (2024) Comparative connectomics of the descending and ascending neurons of the Drosophila nervous system: stereotypy and sexual dimorphism. bioRxiv : the preprint server for biology.

Sanyal A, et al. (2024) Constitutive Endolysosomal Perforation in Neurons allows Induction of ?-Synuclein Aggregation by Internalized Pre-Formed Fibrils. bioRxiv : the preprint server for biology.

Low VF, et al. (2024) Visualizing the human olfactory projection and ancillary structures in a 3D reconstruction. Communications biology, 7(1), 1467.

Albers J, et al. (2024) Synchrotron X-ray imaging of soft biological tissues - principles, applications and future prospects. Journal of cell science, 137(20).

Birman D, et al. (2024) Interactive data exploration websites for large-scale electrophysiology. bioRxiv : the preprint server for biology.

Lee SJ, et al. (2024) Divergent neural circuits for proprioceptive and exteroceptive sensing of the Drosophila leg. bioRxiv : the preprint server for biology.

Ott CM, et al. (2024) Ultrastructural differences impact cilia shape and external exposure across cell classes in the visual cortex. Current biology : CB, 34(11), 2418.

Kronman FN, et al. (2024) Developmental mouse brain common coordinate framework. Nature communications, 15(1), 9072.

Syed DS, et al. (2024) Inhibitory circuits generate rhythms for leg movements during Drosophila grooming. bioRxiv : the preprint server for biology.

Wildenberg G, et al. (2023) The Development of Synapses in Mouse and Macaque Primary Sensory Cortices. bioRxiv : the preprint server for biology.