Resource Summary Report

Generated by SPARC SAWG on Jul 29, 2026

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

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

Availability: Free, Freely available,

Resource Name: Neuroglancer

Resource ID: SCR_015631

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

License: GNU GPL, Copyright 2016 Google Inc.

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260729T044354+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 94 mentions in open access literature.

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

Dorkenwald S, et al. (2025) CAVE: Connectome Annotation Versioning Engine. Nature methods, 22(5), 1112.

Tavakoli MR, et al. (2025) Light-microscopy-based connectomic reconstruction of mammalian brain tissue. Nature, 642(8067), 398.

Humbel M, et al. (2025) Synchrotron Radiation-Based Tomography of an Entire Mouse Brain with Sub-Micron Voxels: Augmenting Interactive Brain Atlases with Terabyte Data. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(28), e2416879.

Stürner T, et al. (2025) Comparative connectomics of Drosophila descending and ascending neurons. Nature, 643(8070), 158.

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

Zimmerman CA, et al. (2025) A neural mechanism for learning from delayed postingestive feedback. Nature, 642(8068), 700.

Samara E, et al. (2025) Polyadic synapses introduce unique wiring architectures in T5 cells of Drosophila. PloS one, 20(10), e0334925.

Bidel F, et al. (2025) Cellular and synaptic organization of the Octopus vertical lobe. bioRxiv : the preprint server for biology.

Pietramale AN, et al. (2025) Mitochondria are absent from microglial processes performing surveillance, chemotaxis, and phagocytic engulfment. Nature communications, 16(1), 11104.

, et al. (2025) Functional connectomics spanning multiple areas of mouse visual cortex. Nature, 640(8058), 435.

Boulanger-Weill J, et al. (2025) Correlative light and electron microscopy reveals the fine circuit structure underlying evidence accumulation in larval zebrafish. bioRxiv : the preprint server for biology.

Glaser A, et al. (2025) Expansion-assisted selective plane illumination microscopy for nanoscale imaging of centimeter-scale tissues. eLife, 12.

Bodor AL, et al. (2025) The synaptic architecture of layer 5 thick tufted excitatory neurons in mouse visual cortex. Nature neuroscience, 28(8), 1704.

Dhawan S, et al. (2025) Neural connectivity of a computational map for fly flight control. bioRxiv : the preprint server for biology.

Dombrovski M, et al. (2025) Gradients of Cell Recognition Molecules Wire Visuomotor Transformation. bioRxiv : the preprint server for biology.

Gamlin CR, et al. (2025) Connectomics of predicted Sst transcriptomic types in mouse visual cortex. Nature, 640(8058), 497.

Sanyal A, et al. (2025) Neuronal constitutive endolysosomal perforations enable ?-synuclein aggregation by internalized PFFs. The Journal of cell biology, 224(2).

Chang M, et al. (2025) Intercellular communication in the brain via dendritic nanotubular network. bioRxiv : the preprint server for biology.

Lee SJ, et al. (2025) Divergent neural circuits for proprioceptive and exteroceptive sensing of the Drosophila leg. Nature communications, 16(1), 4105.

Nern A, et al. (2025) Connectome-driven neural inventory of a complete visual system. Nature, 641(8065), 1225.