

Resource Summary Report

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

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: 20260905T132757+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 106 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Sabarigirivasan V, et al. (2026) The heterogeneous nature of atrioventricular conduction tissues in tetralogy of Fallot demonstrated by hierarchical phase-contrast tomography. JTCVS structural and endovascular, 10, 100111.

Putti E, et al. (2026) Lrrn-mediated retinal ganglion cell targeting drives visual circuit assembly for brightness and contrast detection. Science advances, 12(4), eadz4585.

Dhawan S, et al. (2026) A neural connectivity atlas for fly flight control. Current biology : CB, 36(3), 660.

Wood L, et al. (2026) Neural bottlenecks: axon count, distribution, and conduction in the Manduca sexta neck connective. Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology, 212(2), 391.

Santos-Valencia F, et al. (2026) Climbing fibres recruit disinhibition to enhance Purkinje cell calcium signals. Nature, 653(8114), 455.

Syed DS, et al. (2026) Inhibitory circuits control leg movements during Drosophila grooming. eLife, 14.

Schmitz MT, et al. (2026) A consensus spinal cord cell type atlas across mouse, macaque, and human. bioRxiv : the preprint server for biology.

Chourrout M, et al. (2026) The Extremely Brilliant Brain: An Isotropic Microscale Human Brain Dataset. bioRxiv : the preprint server for biology.

Guo L, et al. (2026) Segmentally repeated ventral nerve cord circuits drive different leg rubbing behaviors in Drosophila grooming. iScience, 29(3), 114902.

Ströh S, et al. (2026) Eyewire II - A connectomic resource for resolving cell types and circuits of the mouse retina. bioRxiv : the preprint server for biology.

Lehmann AE, et al. (2026) Aneuploidy promotes transient stress adaptation and metabolic flexibility in the human fungal pathogen Aspergillus fumigatus. Current biology : CB, 36(13), 3258.

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.

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

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.

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

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

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.

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

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