# Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

## Neuroglancer

RRID:SCR_015631
Type: Tool

### Proper Citation

Neuroglancer (RRID:SCR_015631)

### Resource Information

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

**Proper Citation:** Neuroglancer (RRID:SCR_015631)

**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 application, data processing software, 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:** 20260801T042742+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 PRECISE-TBI .


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

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.

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

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

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.

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

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

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.

Dhawan S, et al. (2025) Neural connectivity of a computational map for fly flight control. 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.

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

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

Chang M, et al. (2025) Intercellular communication in the brain via dendritic nanotubular network. 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.

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

Jiang H, et al. (2025) A parallelly distributed microscope and software system for scalable high-throughput multispectral 3D imaging. bioRxiv : the preprint server for biology.