Resource Summary Report

Generated by nidm-terms on Jul 29, 2026

syGlass

RRID:SCR_017961
Type: Tool

Proper Citation

syGlass (RRID:SCR_017961)

Resource Information

URL: http://www.syglass.io

Proper Citation: syGlass (RRID:SCR_017961)

Description: Software visualization tool for direct volume rendering with no segmentation required. Enables users to view, annotate and analyze 3D data in VR. Data visualization and annotation system that allows rendering of large, volumetric data in its true, three- or four-dimensional form.

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

Keywords: Direct, volume, rendering, no segmentation, view, analyze, annotate, 3D, data, large, volumetric, IstoVisio, Inc

Availability: Commercially available

Resource Name: syGlass

Resource ID: SCR_017961

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260729T044436+0000

Ratings and Alerts

No rating or validation information has been found for syGlass.

No alerts have been found for syGlass.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Heller DT, et al. (2025) Pre-Sensory Spontaneous Activity Accelerates Coordinated Maturation of Synaptic Partners and Drives Transition to the Mature Physiological Phenotype. bioRxiv : the preprint server for biology.

Mihalas BP, et al. (2024) Age-dependent loss of cohesion protection in human oocytes. Current biology : CB, 34(1), 117.

Siew K, et al. (2024) Cosmic kidney disease: an integrated pan-omic, physiological and morphological study into spaceflight-induced renal dysfunction. Nature communications, 15(1), 4923.

Heller DT, et al. (2024) Astrocyte ensheathment of calyx-forming axons of the auditory brainstem precedes accelerated expression of myelin genes and myelination by oligodendrocytes. The Journal of comparative neurology, 532(2), e25552.

Kolabas ZI, et al. (2023) Distinct molecular profiles of skull bone marrow in health and neurological disorders. Cell, 186(17), 3706.

Blain R, et al. (2023) A tridimensional atlas of the developing human head. Cell, 186(26), 5910.

Spirou GA, et al. (2023) High-resolution volumetric imaging constrains compartmental models to explore synaptic integration and temporal processing by cochlear nucleus globular bushy cells. eLife, 12.

Janesick AS, et al. (2022) Avian auditory hair cell regeneration is accompanied by JAK/STAT-dependent expression of immune-related genes in supporting cells. Development (Cambridge, England), 149(8).

Brandebura AN, et al. (2022) Transcriptional profiling reveals roles of intercellular Fgf9 signaling in astrocyte maturation and synaptic refinement during brainstem development. The Journal of biological chemistry, 298(8), 102176.

Kim S, et al. (2022) Neural circuit pathology driven by Shank3 mutation disrupts social behaviors. Cell reports, 39(10), 110906.

Call CL, et al. (2021) Cortical neurons exhibit diverse myelination patterns that scale between mouse brain regions and regenerate after demyelination. Nature communications, 12(1), 4767.

Benkafadar N, et al. (2021) Transcriptomic characterization of dying hair cells in the avian cochlea. Cell reports, 34(12), 108902.

Vyas P, et al. (2020) Characterization of HA-tagged ?9 and ?10 nAChRs in the mouse cochlea. Scientific reports, 10(1), 21814.

Orthmann-Murphy J, et al. (2020) Remyelination alters the pattern of myelin in the cerebral cortex. eLife, 9.

Kokot H, et al. (2020) Prediction of Chronic Inflammation for Inhaled Particles: the Impact of Material Cycling and Quarantining in the Lung Epithelium. Advanced materials (Deerfield Beach, Fla.), 32(47), e2003913.

Kim GB, et al. (2019) Rapid Generation of Somatic Mouse Mosaics with Locus-Specific, Stably Integrated Transgenic Elements. Cell, 179(1), 251.