Resource Summary Report

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MeshView

RRID:SCR_017222
Type: Tool

Proper Citation

MeshView (RRID:SCR_017222)

Resource Information

URL: https://github.com/Neural-Systems-at-UIO/MeshView-for-Brain-Atlases

Proper Citation: MeshView (RRID:SCR_017222)

Description: Web application for real time 3D display of surface mesh data representing structural parcellations and generation of user defined cut planes from volumetric atlases.

Synonyms: MeshView for brain atlases

Resource Type: web service, software resource, data access protocol

Defining Citation: DOI:10.1371/journal.pone.0216796

Keywords: real, time, 3D, display, surface, mesh, data, structural, parcellation, generation, defined, cut, plane, volumetric, atlas, brain

Funding: European Union Horizon 2020 Human brain project

Availability: Free, Freely available

Resource Name: MeshView

Resource ID: SCR_017222

Alternate URLs: https://meshview-for-brain-atlases.readthedocs.io, https://github.com/Neural-Systems-at-UIO/MeshView-for-Brain-Atlases

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250331T061510+0000

Ratings and Alerts

No rating or validation information has been found for MeshView.

No alerts have been found for MeshView.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Blixhavn CH, et al. (2024) The Locare workflow: representing neuroscience data locations as geometric objects in 3D brain atlases. Frontiers in neuroinformatics, 18, 1284107.

Vadisiute A, et al. (2024) Glial cells undergo rapid changes following acute chemogenetic manipulation of cortical layer 5 projection neurons. Communications biology, 7(1), 1286.

Kleven H, et al. (2024) Comparison of basal ganglia regions across murine brain atlases using metadata models and the Waxholm Space. Scientific data, 11(1), 1036.

Øvsthus M, et al. (2024) Spatially integrated cortico-subcortical tracing data for analyses of rodent brain topographical organization. Scientific data, 11(1), 1214.

Kleven H, et al. (2023) Waxholm Space atlas of the rat brain: a 3D atlas supporting data analysis and integration. Nature methods, 20(11), 1822.

Kleven H, et al. (2023) A neuroscientist's guide to using murine brain atlases for efficient analysis and transparent reporting. Frontiers in neuroinformatics, 17, 1154080.

Tocco C, et al. (2022) The topography of corticopontine projections is controlled by postmitotic expression of the area-mapping gene Nr2f1. Development (Cambridge, England), 149(5).

Leergaard TB, et al. (2022) Atlas-based data integration for mapping the connections and architecture of the brain. Science (New York, N.Y.), 378(6619), 488.

Yao Y, et al. (2022) Cardiovascular baroreflex circuit moonlights in sleep control. Neuron, 110(23), 3986.

Royan MR, et al. (2021) 3D Atlas of the Pituitary Gland of the Model Fish Medaka (Oryzias latipes). Frontiers in endocrinology, 12, 719843.