# Resource Summary Report

Generated by NIF on Apr 19, 2025

## 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:** data access protocol, web service, software resource

**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:** 20250419T055556+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 NIF.


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.