Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 19, 2025

Janelia Workstation

RRID:SCR_014302
Type: Tool

Proper Citation

Janelia Workstation (RRID:SCR_014302)

Resource Information

URL: https://www.janelia.org/confocal-imagery-management-and-analysis-tools

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Description: A discovery platform used to analyze and annotate imagery for individual projects, while assembling shared data resources. It was originally applied to Drosophila neuronal anatomy and neuroblast lineage analysis and is currently being extended to support mouse whole-brain projection tracing. The Workstation is both a pipeline management system that extracts entities from 3D imagery and a suite of tools that enable scientists to annotate large imagery datasets. A Entity-Attribute-Value (EAV) graph permits any element to be annotated by users with custom ontologies. By allowing any entity to have multiple parents, the graph can be re-arranged by each user without copying the underlying image data.

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

Keywords: annotate, image analysis software, discovery platform, shared data resource, drosophila, mouse, pipeline management, 3d image, suite, software tools

Funding:

Resource Name: Janelia Workstation

Resource ID: SCR_014302

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250417T065453+0000

Ratings and Alerts

No rating or validation information has been found for Janelia Workstation.

No alerts have been found for Janelia Workstation.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Meissner GW, et al. (2023) A searchable image resource of Drosophila GAL4 driver expression patterns with single neuron resolution. eLife, 12.

Sterne GR, et al. (2021) Classification and genetic targeting of cell types in the primary taste and premotor center of the adult Drosophila brain. eLife, 10.

Wolff T, et al. (2015) Neuroarchitecture and neuroanatomy of the Drosophila central complex: A GAL4-based dissection of protocerebral bridge neurons and circuits. The Journal of comparative neurology, 523(7), 997.