

Resource Summary Report

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Brainways

RRID:SCR_024402

Type: Tool

Proper Citation

Brainways (RRID:SCR_024402)

Resource Information

URL: <https://github.com/bkntr/brainways>

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Description: Open source software that automatically registers coronal slices and quantifies fluorescent markers. Python based, AI registration algorithm for slice matching to the Waxholm rat atlas. Slice quantification can be trained on any atlas, which allows use for other subjects such as mice, zebrafish, and humans. AI-based software for registration and analysis of fluorescent markers on coronal brain slices.

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

Defining Citation: [DOI:10.1101/2023.05.25.542252](https://doi.org/10.1101/2023.05.25.542252)

Keywords: OpenBehavior, slice quantification, register coronal slices, quantify fluorescent markers, slice matching to atlas, registration and analysis of fluorescent markers, coronal brain slices,

Availability: Free, Available for download, Freely available

Resource Name: Brainways

Resource ID: SCR_024402

Alternate URLs: <https://edspace.american.edu/openbehavior/project/brainways/>

License: GNU GPL v3.0

Record Creation Time: 20230907T050228+0000

Record Last Update: 20260905T133030+0000

Ratings and Alerts

No rating or validation information has been found for Brainways.

No alerts have been found for Brainways.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Kantor B, et al. (2025) Mapping brain-wide activity networks: brainways as a tool for neurobiological discovery. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 50(12), 1885.