Resource Summary Report

Generated by NIF on May 22, 2025

mBrainAligner

RRID:SCR_022791
Type: Tool

Proper Citation

mBrainAligner (RRID:SCR_022791)

Resource Information

URL: https://github.com/Vaa3D/vaa3d_tools/tree/master/hackathon/mBrainAligner

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Description: Software package provides cross modality image registration pipeline to support whole brain mapping projects. Contains three modules: (1) image preprocessing and global registration, (2) Coherent Landmark Mapping (CLM) based automatic registration, and (3) optional semi-automatic refinement.

Resource Type: software toolkit, software resource

Defining Citation: PMID:34887551

Keywords: cross modality image registration, whole brain mapping, image registration

Funding: Southeast University ;
NSFC ;
University Synergy Innovation Program of Anhui Province ;
NSFC-Guangdong Joint Fund ;
Fundamental Research Funds

Availability: Free, Available for download, Freely available

Resource Name: mBrainAligner

Resource ID: SCR_022791

License: MIT license

Record Creation Time: 20220929T050157+0000

Record Last Update: 20250522T061404+0000

Ratings and Alerts

No rating or validation information has been found for mBrainAligner.

No alerts have been found for mBrainAligner.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Liu Y, et al. (2024) Neuronal diversity and stereotypy at multiple scales through whole brain morphometry. Nature communications, 15(1), 10269.

Kaltenecker D, et al. (2024) Virtual reality-empowered deep-learning analysis of brain cells. Nature methods, 21(7), 1306.