Resource Summary Report

Generated by Kravitz on Sep 10, 2026

BioImage Suite

RRID:SCR_002986
Type: Tool

Proper Citation

BioImage Suite (RRID:SCR_002986)

Resource Information

URL: https://bioimagesuiteweb.github.io/webapp/index.html

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Description: Web applications for analysis of multimodal/multispecies neuroimaging data. Image analysis software package. Has facilities for DTI and fMRI processing. Capabilities for both neuro/cardiac and abdominal image analysis and visualization. Many packages are extensible, and provide functionality for image visualization and registration, surface editing, cardiac 4D multi-slice editing, diffusion tensor image processing, mouse segmentation and registration, and much more. Can be intergrated with other biomedical image processing software, such as FSL, AFNI, and SPM.

Synonyms: Bioimagesuite Web

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

Defining Citation: PMID:21249532

Keywords: Analysis, multimodal, multispecies, neuroimaging, data, DTI, fMRI, processing, visualization, registration, surface, editing, BRAIN Initiative

Funding: NIBIB R01 EB006494;
NIBIB R03 EB012969;
NIMH MH114805

Availability: Free, Available for download, Freely available

Resource Name: BioImage Suite

Resource ID: SCR_002986

Alternate IDs: nif-0000-30179

Alternate URLs: https://sources.debian.org/src/bioimagesuite/, http://www.nitrc.org/projects/bioimagesuite, https://medicine.yale.edu/bioimaging/suite/

Old URLs: http://bioimagesuite.yale.edu/index.aspx

License: GNU GPL

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260905T132456+0000

Ratings and Alerts

No rating or validation information has been found for BioImage Suite.

No alerts have been found for BioImage Suite.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Noble S, et al. (2026) The Hidden Landscape of Missed Effects in Human Functional Neuroimaging. bioRxiv : the preprint server for biology.

Horien C, et al. (2026) Optimizing functional connectivity scanning conditions for predicting autistic traits. Nature. Mental health, 4(5), 792.

Noble S, et al. (2026) Effect sizes in human functional neuroimaging. Research square.

Horien C, et al. (2026) Feature overlap in transdiagnostic connectome-based models of sustained attention and autism symptoms. medRxiv : the preprint server for health sciences.

Lee S, et al. (2026) Resting-state functional connectome-based prediction of valence bias. Neuropsychologia, 225, 109429.

Bruno JL, et al. (2025) Transdiagnostic similarities and distinctions in brain networks associated with autistic social impairments: a prospective cohort study. Molecular autism, 16(1), 56.

Horien C, et al. (2025) What is the best brain state to predict autistic traits? medRxiv : the preprint server for health sciences.

Li L, et al. (2025) The relationship between the APOE genotypes and memory performance of young adults and its neural basis. Scientific reports, 15(1), 25150.

Qiao X, et al. (2025) Exploring the neural mechanisms underlying cooperation and competition behavior: Insights from stereo-electroencephalography hyperscanning. iScience, 28(2), 111506.

Chawarska K, et al. (2025) Functional Connectivity in the Social Perception Pathway at Birth Is Linked to Attention to Faces at Four Months. Biological psychiatry global open science, 5(6), 100597.

Zou T, et al. (2025) Medulla oblongata dominated synaptic density network degeneration in amyotrophic lateral sclerosis. NeuroImage. Clinical, 47, 103814.

de Almeida MMA, et al. (2025) Impact of liver-specific survival motor neuron (SMN) depletion on central nervous system and peripheral tissue pathology. eLife, 13.

Mergan E, et al. (2025) Fast face-selective responses in prefrontal face patches of the macaque. Cell reports, 44(3), 115389.

Wurm MF, et al. (2025) Decoding the physics of observed actions in the human brain. eLife, 13.

Laamoumi M, et al. (2025) A taxonomic guide to diffusion MRI tractography visualization tools. NMR in biomedicine, 38(1), e5267.

Mandino F, et al. (2025) Longitudinal, simultaneous wide-field fluorescent Ca2+ imaging and fMRI in awake mice. bioRxiv : the preprint server for biology.

Yan X, et al. (2025) Dynamic prefrontal coupling coordinates adaptive decision-making. Research square.

Mandino F, et al. (2025) Multimodal identification of the mouse brain using simultaneous Ca2+ imaging and fMRI. Communications biology, 8(1), 665.

Wang ??? Z, et al. (2025) Female 3xTg-AD mice demonstrate hyperexcitability phenotype of Alzheimer's disease in structure-function and function-behavior relationships. Network neuroscience (Cambridge, Mass.), 9(4), 1199.

Asch RH, et al. (2025) Neural Signatures of Bipolar Disorder and Psychotropic Medication Effects: A Multimodal Positron Emission Tomography-Magnetic Resonance Imaging Study. Biological psychiatry.