

Resource Summary Report

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BiolImage Suite

RRID:SCR_002986

Type: Tool

Proper Citation

BiolImage 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: software application, software resource, data processing software, data visualization software, image processing software, image analysis software

Defining Citation: [PMID:21249532](#)

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

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

Availability: Free, Available for download, Freely available

Resource Name: BiolImage 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: 20260729T044042+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 54 mentions in open access literature.

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

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

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

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.

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.

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

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

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

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

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

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

Chhade F, et al. (2024) Predicting creative behavior using resting-state electroencephalography. *Communications biology*, 7(1), 790.

Vafaii H, et al. (2024) Multimodal measures of spontaneous brain activity reveal both common and divergent patterns of cortical functional organization. *Nature communications*, 15(1), 229.

Adkinson BD, et al. (2024) Brain-phenotype predictions can survive across diverse real-world data. *bioRxiv : the preprint server for biology*.

Rosenblatt M, et al. (2024) Data leakage inflates prediction performance in connectome-based machine learning models. *Nature communications*, 15(1), 1829.

Boisserand LSB, et al. (2024) VEGF-C prophylaxis favors lymphatic drainage and modulates neuroinflammation in a stroke model. *The Journal of experimental medicine*, 221(4).

Wang X, et al. (2024) Semantic associative abilities and executive control functions predict novelty and appropriateness of idea generation. *Communications biology*, 7(1), 703.

Sun H, et al. (2024) Brain age prediction and deviations from normative trajectories in the neonatal connectome. *Nature communications*, 15(1), 10251.

Scheinost D, et al. (2024) Developmental trajectories of the default mode, frontoparietal, and salience networks from the third trimester through the newborn period. *Imaging neuroscience (Cambridge, Mass.)*, 2.

Gage M, et al. (2023) Sex-based structural and functional MRI outcomes in the rat brain after soman (GD) exposure-induced status epilepticus. *Epilepsia open*, 8(2), 399.

Bulut T, et al. (2023) Domain-general and domain-specific functional networks of Broca's area underlying language processing. *Brain and behavior*, 13(7), e3046.