

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: data processing software, software resource, software application, image processing software, image analysis software, data visualization 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: 20260805T044047+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 [NIF](#) .

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

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.

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

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.

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.

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.