Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

BioImage Suite

RRID:SCR_002986
Type: Tool

Proper Citation

BioImage Suite (RRID:SCR_002986)

Resource Information

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

Proper Citation: BioImage Suite (RRID:SCR_002986)

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

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: 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: 20250401T060212+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 46 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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.

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.

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

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

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.

K?ížkovská B, et al. (2023) In Vitro High-Throughput Genotoxicity Testing Using ?H2AX Biomarker, Microscopy and Reproducible Automatic Image Analysis in ImageJ-A Pilot Study with Valinomycin. Toxins, 15(4).

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.

Vishne G, et al. (2023) Distinct ventral stream and prefrontal cortex representational dynamics during sustained conscious visual perception. Cell reports, 42(7), 112752.

Scrivener CL, et al. (2022) Variability of EEG electrode positions and their underlying brain regions: visualizing gel artifacts from a simultaneous EEG-fMRI dataset. Brain and behavior, 12(2), e2476.

Smith JL, et al. (2022) The "vestibular neuromatrix": A proposed, expanded vestibular network from graph theory in post-concussive vestibular dysfunction. Human brain mapping, 43(5), 1501.

Rutherford S, et al. (2022) Automated Brain Masking of Fetal Functional MRI with Open Data. Neuroinformatics, 20(1), 173.

Hsu SH, et al. (2022) Unsupervised learning of brain state dynamics during emotion imagination using high-density EEG. NeuroImage, 249, 118873.

Scheinost D, et al. (2022) Functional connectivity for the language network in the developing brain: 30 weeks of gestation to 30 months of age. Cerebral cortex (New York, N.Y. : 1991), 32(15), 3289.

Basabrain MS, et al. (2022) Formation of Three-Dimensional Spheres Enhances the Neurogenic Potential of Stem Cells from Apical Papilla. Bioengineering (Basel, Switzerland),

9(11).