Resource Summary Report

Generated by NIF on Aug 27, 2026

Analysis of Functional NeuroImages

RRID:SCR_005927
Type: Tool

Proper Citation

Analysis of Functional NeuroImages (RRID:SCR_005927)

Resource Information

URL: http://afni.nimh.nih.gov/afni/

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Description: Set of (mostly) C programs that run on X11+Unix-based platforms (Linux, Mac OS X, Solaris, etc.) for processing, analyzing, and displaying functional MRI (FMRI) data defined over 3D volumes and over 2D cortical surface meshes. AFNI is freely distributed as source code plus some precompiled binaries.

Abbreviations: AFNI

Synonyms: AFNI NIfTI Server, AFNI and NIfTI Server

Resource Type: data analysis software, data processing software, data visualization software, software application, software resource, software toolkit, source code

Keywords: c program, unix, fmri, solaris, nifti-1 support, 2d surface analysis, 3d surface analysis, visualization

Funding: NIMH

Availability: Free, Open Source, Runs on Linux, Runs on Mac OS

Resource Name: Analysis of Functional NeuroImages

Resource ID: SCR_005927

Alternate IDs: nif-0000-00259

Alternate URLs: http://www.nitrc.org/projects/afni

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260821T193752+0000

Ratings and Alerts

No rating or validation information has been found for Analysis of Functional NeuroImages.

No alerts have been found for Analysis of Functional NeuroImages.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2213 mentions in open access literature.

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

Nazmuddin M, et al. (2026) Stereotactic lesioning of cholinergic cells by injection of ME20.4 Saporin in the nucleus basalis of Meynert in a rhesus monkey (Macaca mulatta). Journal of neuropathology and experimental neurology, 85(1), 58.

Gowin JL, et al. (2026) A comparison of a multivariate neural pattern versus amygdala response for regulation of negative emotion. Social cognitive and affective neuroscience, 21(1).

Tansey R, et al. (2026) Functional neuroimaging of fatty acid amide hydrolase inhibition in posttraumatic stress disorder: a randomized clinical trial. Translational psychiatry, 16(1).

Yi S, et al. (2026) Computational and neural mechanisms underlying the influence of action affordances on value learning. Nature communications, 17(1), 1096.

Sridhar A, et al. (2026) Brain sensory network activity underlies reduced nociceptive initiated and nociplastic pain via acupuncture in fibromyalgia. Communications medicine, 6(1), 25.

Suárez-Pellicioni M, et al. (2026) The association between longitudinal changes in inter-hemispheric IPS functional connectivity and math gains depends on children's age and task requirements. Developmental cognitive neuroscience, 78, 101666.

Masís-Obando R, et al. (2026) Spatial contexts with reliable neural representations support reinstatement of subsequently placed objects. Nature human behaviour, 10(1), 164.

Wu Y, et al. (2026) Three-dimensional scene boundary representations for wall orientation and distance are represented distinctly in the human visual cortex. PLoS biology, 24(3), e3003541.

Jo Y, et al. (2026) Variation in high-amplitude events across the human lifespan. Network neuroscience (Cambridge, Mass.), 10(1), 158.

Or?owski P, et al. (2026) Investigating Emotional Reactivity in Experienced Users of Psychedelics: A Cross-Sectional fMRI Study. Human brain mapping, 47(5), e70522.

Watanabe T, et al. (2026) Unsupervised visual learning is revealed for task-irrelevant natural scenes due to reduced attentional suppression effects in visual areas. Nature communications, 17(1).

Zhao Y, et al. (2026) Domain-General Neural Effects of Associative Learning and Expectations on Pain and Hedonic Taste Perception. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(3).

Hiraoka D, et al. (2026) Investigating the role of executive function in brain responses to infant crying among new parents. Social cognitive and affective neuroscience, 21(1).

Altahona-Medina MA, et al. (2026) When Alzheimer's pathology meets cardiometabolic risk: intrinsic subcortical-cortical connectivity signatures of retroactive interference in aging. Alzheimer's research & therapy, 18(1), 30.

Knippenberg AR, et al. (2026) Associations between negative symptoms and resting-state functional connectivity within social brain networks among individuals with early psychosis. Schizophrenia (Heidelberg, Germany), 12(1).

Englert R, et al. (2026) Functional connectivity-based attractor dynamics of the human brain in rest, task, and disease. eLife, 13.

Rosario MA, et al. (2026) Prefrontal working memory activity partially mediates link between enriched neighborhood environments and episodic memory among 9-13-year-olds. bioRxiv : the preprint server for biology.

Arrington CN, et al. (2026) White Matter Diffusivity Predicts Change in Sight Word Reading Following Continuous Theta Burst Stimulation to the Left Temporal Parietal Junction. Neurobiology of language (Cambridge, Mass.), 7.

Rezaei A, et al. (2026) The retrieval of previously learned motor memories is facilitated by the reinstatement of default mode network manifold structures. PLoS biology, 24(3), e3003684.

Nathaniel U, et al. (2026) Injury Severity Influences Long-Term Cognitive Control in Pediatric "Mild" Traumatic Brain Injury. Human brain mapping, 47(10), e70580.