Resource Summary Report

Generated by RRID on Sep 10, 2026

FSL

RRID:SCR_002823
Type: Tool

Proper Citation

FSL (RRID:SCR_002823)

Resource Information

URL: http://www.fmrib.ox.ac.uk/fsl/

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Description: Software library of image analysis and statistical tools for fMRI, MRI and DTI brain imaging data. Include registration, atlases, diffusion MRI tools for parameter reconstruction and probabilistic taractography, and viewer. Several brain atlases, integrated into FSLView and Featquery, allow viewing of structural and cytoarchitectonic standard space labels and probability maps for cortical and subcortical structures and white matter tracts. Includes Harvard-Oxford cortical and subcortical structural atlases, Julich histological atlas, JHU DTI-based white-matter atlases, Oxford thalamic connectivity atlas, Talairach atlas, MNI structural atlas, and Cerebellum atlas.

Synonyms: , FMRIB Software Library, fMRIB Software Library, Functional Magnetic Resonance Imaging of the Brain Software Library

Resource Type: software library, software resource, software toolkit

Defining Citation: PMID:21979382, PMID:19059349, PMID:15501092

Keywords: dti, brain, imaging, data, structural, mri, diffusion, function, preprocessing, analysis, statistical, tractography, atlas, neuroimaging, parameter, reconstruction, volumetric, segmentation, independent, component, temporal, transformation

Funding: BBSRC ;
EPSRC ;
GlaxoSmithKline ;
MRC ;
Pfizer

Availability: Free, Available for download, Freely available

Resource Name: FSL

Resource ID: SCR_002823

Alternate IDs: nif-0000-00305, SCR_007368, birnlex_2067

Alternate URLs: http://www.nitrc.org/projects/fsl, http://fsl.fmrib.ox.ac.uk/fsl/fslwiki/, https://sources.debian.org/src/fsl/

License: FSL License

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260905T132454+0000

Ratings and Alerts

No rating or validation information has been found for FSL.

No alerts have been found for FSL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5015 mentions in open access literature.

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

Qin K, et al. (2026) Psychostimulant treatment uniquely reduces left uncinate fasciculus microstructural integrity in ADHD youth with a familial risk for bipolar I disorder: a 12-week DTI study. Journal of child psychology and psychiatry, and allied disciplines, 67(5), 696.

Smith DV, et al. (2026) ?? -tACS Modulates Reward-Dependent Pupil Responses and Corticostriatal Connectivity. bioRxiv : the preprint server for biology.

Shafer-Skelton A, et al. (2026) A 2D Gabor-wavelet baseline model out-performs a 3D surface model in scene-responsive cortex. PLoS computational biology, 22(2), e1013888.

Qi JJ, et al. (2026) Function-specific repetitive transcranial magnetic stimulation for fine motor rehabilitation in chronic stroke: a case report. Psychoradiology, 6, kkaf033.

Chen H, et al. (2026) Free water in the external globus pallidus predicts mild cognitive impairment in Parkinson's disease and is associated with serum neurofilament light chain levels. NPJ Parkinson's disease, 12(1).

Thieu MK, et al. (2026) Human superior colliculus pathways represent the form and motion of looming objects. Cell reports, 45(3), 117033.

Zhao N, et al. (2026) Alterations in gray matter microstructure and functional connectivity after acute stress. European journal of psychotraumatology, 17(1), 2627059.

Li Q, et al. (2026) Exploring neural correlates of automated speech-based cognitive markers through resting-state functional connectivity in aging and at-risk Alzheimer's disease. Alzheimer's research & therapy, 18(1).

Luppi AI, et al. (2026) Competitive interactions shape mammalian brain network dynamics and computation. Nature neuroscience, 29(4), 915.

Morrow E, et al. (2026) Dopaminergic processes predict temporal distortions in event memory. Nature communications, 17(1).

Sanvito F, et al. (2026) Framework for Statistical Parametric Mapping of the Interactions between Glioblastoma Location, Treatment, Prognostic Variables, and Survival Using a Phase III Trial. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(11), 2230.

Taniguchi M, et al. (2026) Disrupted Salience Network and Its Deteriorated Interaction With the Central Executive Network in Anorexia Nervosa: A Multicenter Study. Biological psychiatry global open science, 6(3), 100699.

Eperon A, et al. (2026) Action information is integrated into entorhinal representations of conceptual space and is reflected in eye movements. PLoS biology, 24(4), e3003755.

Hao Y, et al. (2026) Reduced Affiliative Behavior in Autism Reflects Greater Dependence on Perceived Similarity. Research square.

Rechtman E, et al. (2026) Fetal and postnatal metal metabolism-related changes in brain function are associated with childhood behavioral deficits. Science advances, 12(17), eadz1340.

Sliwinska MW, et al. (2026) Lip-reading and eye-gaze discrimination are functionally lateralized across the left and right posterior superior temporal sulci. Cerebral cortex (New York, N.Y. : 1991), 36(6).

Yue Y, et al. (2026) Age- and sex-related glymphatic differences and hemispheric asymmetry in healthy adults at 7.0T magnetic resonance imaging. Psychoradiology, 6, kkag012.

Kwon SJ, et al. (2026) Regretting a chance to connect: How neural responses to missed social opportunities predict self-disclosure. PNAS nexus, 5(5), pgag138.

Bouffard NR, et al. (2026) Age Differences in Hippocampal Neural Timescales During Movie-Viewing. bioRxiv : the preprint server for biology.

Behroozi M, et al. (2026) Neural correlates of appetitive extinction learning: an fMRI study with actively participating pigeons. Scientific reports, 16(1).