

Resource Summary Report

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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 tractography, 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 toolkit, software resource

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: EPSRC ;
MRC ;
BBSRC ;
GlaxoSmithKline ;
Pfizer

Availability: Free, Available for download, Freely available

Resource Name: FSL

Resource ID: SCR_002823

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

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: 20260729T044032+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 4685 mentions in open access literature.

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

Wang M, et al. (2026) Global White Matter Damage in Focal Brainstem Injury Patients With Disorders of Consciousness: A Diffusion Tensor Tractography Study. *European journal of neurology*, 33(1), e70476.

West JT, et al. (2026) Exploring the neural underpinnings of semantic and perceptual false memory formation. *Neuropsychologia*, 221, 109332.

Gao S, et al. (2025) Effects on Multimodal Connectivity Patterns in Female Schizophrenia During 8 Weeks of Antipsychotic Treatment. *Schizophrenia bulletin*, 51(3), 829.

Tempia Valenta S, et al. (2025) A Heavy Feeling in the Stomach: Neural Correlates of Anxiety in Crohn's Disease. *Neurogastroenterology and motility*, 37(7), e70029.

Nguchu BA, et al. (2025) Modulation and distribution of extracellular free water and tract deficits in rhesus macaques before and after the initiation of emtricitabine + tenofovir disoproxil fumarate + dolutegravir treatment. *Frontiers in immunology*, 16, 1463434.

Wei S, et al. (2025) Counterfactual explanations of tree based ensemble models for brain disease analysis with structure function coupling. *Scientific reports*, 15(1), 8524.

Piccinini JI, et al. (2025) Transient destabilization of whole brain dynamics induced by N,N-Dimethyltryptamine (DMT). *Communications biology*, 8(1), 409.

- Alvarez I, et al. (2025) Characterizing Human Disparity Tuning Properties Using Population Receptive Field Mapping. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(12), e0795242025.
- Lawn W, et al. (2025) Value signals guiding choices for cannabis versus non-drug rewards in people who use cannabis near-daily. *Psychopharmacology*, 242(4), 681.
- Ellis CT, et al. (2025) Movies reveal the fine-grained organization of infant visual cortex. *eLife*, 12.
- Mei??ner AK, et al. (2025) Evaluation of CT and MRI Radiomics for an Early Assessment of Diffuse Axonal Injury in Patients with Traumatic Brain Injury Compared to Conventional Radiological Diagnosis. *Clinical neuroradiology*, 35(3), 521.
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- Isherwood S, et al. (2025) Multi-study fMRI outlooks on subcortical BOLD responses in the stop-signal paradigm. *eLife*, 12.
- Fleck L, et al. (2025) Early-Life Adversity Predicts Markers of Aging-Related Neuroinflammation, Neurodegeneration, and Cognitive Impairment in Women. *Annals of neurology*, 97(4), 642.
- Damgaard V, et al. (2025) Multivariate patterns among multimodal neuroimaging and clinical, cognitive, and daily functioning characteristics in bipolar disorder. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(6), 976.
- Ge W, et al. (2025) Dissociable ventral and dorsal sensorimotor functional circuits linking the hypomanic personality traits to aggression via behavioral inhibition system. *International journal of clinical and health psychology : IJCHP*, 25(1), 100537.
- Loehrer PA, et al. (2025) Microstructure is associated with motor outcomes following Deep Brain Stimulation in Parkinson's disease. *NPJ Parkinson's disease*, 11(1), 81.
- Morgenroth E, et al. (2025) Emo-FilM: A multimodal dataset for affective neuroscience using naturalistic stimuli. *Scientific data*, 12(1), 684.
- Tian J, et al. (2025) Alterations of brain white matter network topological properties in overt hypothyroidism. *Endocrine connections*, 14(5).
- Hurtado-Olmo P, et al. (2025) Impact of surgery on rehabilitation care and quality of life perceived by patient with post-stroke upper limb spasticity: Study protocol for a randomized controlled trial. *PloS one*, 20(4), e0322588.