FSL

RRID:SCR_002823
Type: Tool

Proper Citation

FSL (RRID:SCR_002823)

Resource Information

**URL:** [http://www.fmrib.ox.ac.uk/fsl/](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 resource, software library, software toolkit


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

**Funding Agency:** 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


Ratings and Alerts

- 4.5 / 5 (36 votes) Rated at NITRC http://www.nitrc.org/projects/fsl

No alerts have been found for FSL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4268 mentions in open access literature.

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


Demidenko MI, et al. (2024) A multi-sample evaluation of the measurement structure and function of the modified monetary incentive delay task in adolescents. Developmental cognitive neuroscience, 65, 101337.


Heukamp NJ, et al. (2024) Adolescents' pain-related ontogeny shares a neural basis with adults' chronic pain in basothalamo-cortical organization. iScience, 27(2), 108954.

Feng M, et al. (2024) Decreased Local Specialization of Brain Structural Networks Associated with Cognitive Dysfuntion Revealed by Probabilistic Diffusion Tractography for Different Cerebral Small Vessel Disease Burdens. Molecular neurobiology, 61(1), 326.

Rodriguez NY, et al. (2024) Monkey dorsolateral prefrontal cortex shows anatomically and functionally specific responses to sequential but not temporal or image changes. bioRxiv: the preprint server for biology.

Maza MT, et al. (2024) Neurobiological sensitivity to popular peers moderates daily links between social media use and affect. Developmental cognitive neuroscience, 65, 101335.

Singletary NM, et al. (2024) The parieto-occipital cortex is a candidate neural substrate for the human ability to approximate Bayesian inference. Communications biology, 7(1), 165.


