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.

Resource Type: Resource, software resource, software toolkit, software library

References: 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

Parent Organization: University of Oxford; Oxford; United Kingdom

Funding Agency: BBSRC, EPSRC, GlaxoSmithKline, MRC, Pfizer

Related resources: Rodent Brain Extraction Tool, Human Connectome Coordination Facility, BASH4RfMRI, DW-MRI registration in FSL, FSL extensions, Diffusion MRI of Traumatic Brain Injury, Segmentation of Hippocampus Subfields, masked ICA (mICA) Toolbox
**Availability:** Non-commercial, Available to the research community

**Website Status:** Last checked up

**Resource Name:** FSL

**Resource ID:** SCR_002823

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

**Alternate URLs:** http://www.nitrc.org/projects/fsl, http://fsl.fmrib.ox.ac.uk/fsl/fslwiki/

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**Ratings and Alerts**


No alerts have been found for FSL.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 3534 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](http://fdi-lab.sci-crunch.org).


Lynch KM, et al. (2021) Selective morphological and volumetric alterations in the...


Geisler M, et al. (2021) Microstructural alterations in medial forebrain bundle are associated with...
with interindividual pain sensitivity. Human brain mapping, 42(4), 1130-1137.