Resource Summary Report

Generated by kravitz2 on Aug 3, 2026

Group ICA of fMRI Toolbox

RRID:SCR_001953
Type: Tool

Proper Citation

Group ICA of fMRI Toolbox (RRID:SCR_001953)

Resource Information

URL: https://github.com/trendscenter/gift

Proper Citation: Group ICA of fMRI Toolbox (RRID:SCR_001953)

Description: Software MATLAB toolbox which implements multiple algorithms for independent component analysis and blind source separation of group (and single subject) functional magnetic resonance imaging data. GIFT works on MATLAB 6.5 and higher. Many ICA algorithms were generously contributed by Dr. Andrzej Cichocki.

Abbreviations: GIFT

Synonyms: Group ICA Of fMRI Toolbox (GIFT)

Resource Type: software toolkit, software resource, data processing software, software application, image analysis software

Defining Citation: PMID:18165105

Keywords: independent component analysis, matlab, magnetic resonance, fmri, algorithm

Funding: NIBIB 1R01EB000840

Availability: Free, Available for download, Freely available

Resource Name: Group ICA of fMRI Toolbox

Resource ID: SCR_001953

Alternate IDs: SCR_024416, nif-0000-00309

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

Old URLs: http://mialab.mrn.org/software/gift/

License: GNU General Public License

Record Creation Time: 20220129T080210+0000

Record Last Update: 20260803T040326+0000

Ratings and Alerts

No rating or validation information has been found for Group ICA of fMRI Toolbox.

No alerts have been found for Group ICA of fMRI Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1411 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Jensen D, et al. (2026) Adolescent White Matter Maturation Mediates Epigenetic Associations With Cognitive Development. Developmental neurobiology, 86(1), e70000.

Lee Masson H, et al. (2025) Dynamic functional adaptations during touch observation in autism: connectivity strength is linked to attitudes towards social touch and social responsiveness. Molecular autism, 16(1), 11.

Doucet GE, et al. (2025) Dev-Atlas: A reference atlas of functional brain networks for typically developing adolescents. Developmental cognitive neuroscience, 72, 101523.

Phadikar S, et al. (2025) Integrating fMRI spatial network dynamics and EEG spectral power: insights into resting state connectivity. Frontiers in neuroscience, 19, 1484954.

Saha R, et al. (2025) Analysis of Longitudinal Change Patterns in Developing Brain Using Functional and Structural Magnetic Resonance Imaging via Multimodal Fusion. Human brain mapping, 46(10), e70241.

Duan K, et al. (2025) aNy-way ICA and its application to estimate cortico-thalamo-cerebellar functional links in schizophrenia. bioRxiv : the preprint server for biology.

Li G, et al. (2025) Clinical and Functional Connectivity Markers in Prediction of Hallucinations in Parkinson's Disease. CNS neuroscience & therapeutics, 31(6), e70432.

Usc?tescu LC, et al. (2025) Using the excitation/inhibition ratio to optimize the classification of autism and schizophrenia. Translational psychiatry, 15(1), 234.

Xie H, et al. (2025) Theta-frequency subthalamic stimulation enhances conflict resolution in Parkinson's disease patients with freezing of gait through frontal cortex modulation. NPJ

Parkinson's disease, 11(1), 206.

Tomas CW, et al. (2025) Data-Driven Approach to Dynamic Resting State Functional Connectivity in Post-Traumatic Stress Disorder: An ENIGMA-PGC PTSD Study. Human brain mapping, 46(11), e70116.

Xiao Z, et al. (2025) Abnormal functional network connectivity mediates the relationship between depressive symptoms and cognitive decline in late-onset depression. Psychological medicine, 55, e227.

Wu X, et al. (2025) Dynamic functional connectivity and coupling analysis of triple networks and white matter functional networks in first-episode schizophrenia patients: mechanisms revealed by follow-up studies. BMC psychiatry, 25(1), 1021.

Witt AA, et al. (2025) Changes in functional connectivity in relapsing-remitting multiple sclerosis spinal cord measured via region-based and data-driven analyses. Imaging neuroscience (Cambridge, Mass.), 3.

Scarlatti F, et al. (2025) Chronic pain is linked to a resting-state neural archetype that optimizes learning from punishments. bioRxiv : the preprint server for biology.

Wu J, et al. (2025) Non-linear associations of amyloid-? with resting-state functional networks and their cognitive relevance in a large community-based cohort of cognitively normal older adults. ArXiv.

Wu K, et al. (2025) Mapping and modeling age-related changes in intrinsic neural timescales. Communications biology, 8(1), 167.

Li Q, et al. (2025) Deciphering Multiway Multiscale Brain Network Connectivity: Insights from Birth to 6 Months. bioRxiv : the preprint server for biology.

Andrés-Camazón P, et al. (2025) Neurobiology-based cognitive biotypes using multi-scale intrinsic connectivity networks in psychotic disorders. Schizophrenia (Heidelberg, Germany), 11(1), 45.

Zhao S, et al. (2025) Exploring the interaction effects of subclinical hypothyroidism and major depressive disorder on brain networks. BMC medicine, 23(1), 177.

Shan ZY, et al. (2025) Oral ketamine effects on dynamics of functional network connectivity in patients treated for chronic suicidality. European archives of psychiatry and clinical neuroscience, 275(5), 1347.