

Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

GIFT

RRID:SCR_024416

Type: Tool

Proper Citation

GIFT (RRID:SCR_024416)

Resource Information

URL: <http://mialab.mrn.org/software/gift/index.html>

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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.

Abbreviations: GIFT

Synonyms: GIFT:Group ICA Of fMRI Toolbox

Resource Type: software resource, software toolkit

Keywords: MATLAB, component analysis, blind source separation, functional magnetic resonance imaging data, fMRI

Funding: NIBIB RO1EB000840

Availability: Free, Available for download, Freely available

Resource Name: GIFT

Resource ID: SCR_024416

Alternate URLs: <https://www.nitrc.org/projects/gift>

Record Creation Time: 20230913T050234+0000

Record Last Update: 20260904T000028+0000

Ratings and Alerts

No rating or validation information has been found for GIFT.

No alerts have been found for GIFT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 249 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

Dzodzomenyo M, et al. (2025) Food classifications provide an approximate packaging indicator to support monitoring of mismanaged plastic waste. *Scientific reports*, 15(1), 5041.

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

Conahan P, et al. (2025) Easy ensemble classifier-group and intersectional fairness and threshold (EEC-GIFT): a fairness-aware machine learning framework for lung cancer screening eligibility using real-world data. *JNCI cancer spectrum*, 9(2).

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

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.

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*.

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*.

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.

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

Ionescu TM, et al. (2025) Mapping serotonergic dynamics using drug-modulated molecular connectivity in rats. *eLife*, 13.

Liu X, et al. (2025) Effect of Replacement of Fish Meal With Cottonseed and Blood Meals on Growth, Serum Biochemistry, Body Composition, and Antioxidant Capacity in GIFT Tilapia Juveniles (*Oreochromis niloticus*). *Aquaculture nutrition*, 2025, 5535909.

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

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

Song X, et al. (2025) Lower functional connectivity state transitions during affective processing correlate with subsequent impairment in sustaining positive affect in subthreshold depression. *International journal of clinical and health psychology : IJCHP*, 25(1), 100560.

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.

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.

Fu Z, et al. (2025) Cognitive and psychiatric relevance of dynamic functional connectivity states in a large (N > 10,000) children population. *Molecular psychiatry*, 30(2), 402.

Abagnale C, et al. (2025) MRI-based analysis of the microstructure of the thalamus and hypothalamus and functional connectivity between cortical networks in episodic cluster headache. *The journal of headache and pain*, 26(1), 12.