

# Resource Summary Report

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

## Functional Image Processing software Computational Olio

RRID:SCR\_001689

Type: Tool

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### Proper Citation

Functional Image Processing software Computational Olio (RRID:SCR\_001689)

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### Resource Information

**URL:** <http://www.stat.cmu.edu/~fiasco/>

**Proper Citation:** Functional Image Processing software Computational Olio (RRID:SCR\_001689)

**Description:** Collection of software designed to analyze fMRI data using a series of processing steps. The input is the raw data, and the outputs are statistical brain maps showing regions of neural activation. Corrections for different systematic variations in the k-space (raw) data obtained from an fMRI session (head motion, ghosting, etc) are performed first. The image is then reconstructed (using the Fast Fourier Transform) and statistical analyses run. The user has a great deal of flexibility in choosing which corrections and statistics are executed. FIASCO emphasizes correct statistical models, for example for group comparisons.

**Abbreviations:** FIASCO

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

**Defining Citation:** [PMID:22348882](#)

**Keywords:** fmri, brain, neural activation, neuroimaging, function

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Functional Image Processing software Computational Olio

**Resource ID:** SCR\_001689

**Alternate IDs:** nif-0000-00298

**Record Creation Time:** 20220129T080209+0000

## Ratings and Alerts

No rating or validation information has been found for Functional Image Processing software Computational Olio.

No alerts have been found for Functional Image Processing software Computational Olio.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Koshino H, et al. (2005) Functional connectivity in an fMRI working memory task in high-functioning autism. *NeuroImage*, 24(3), 810.

Just MA, et al. (2004) Imagery in sentence comprehension: an fMRI study. *NeuroImage*, 21(1), 112.

Vaillancourt DE, et al. (2004) Subthalamic nucleus and internal globus pallidus scale with the rate of change of force production in humans. *NeuroImage*, 23(1), 175.

Merriam EP, et al. (2003) Spatial updating in human parietal cortex. *Neuron*, 39(2), 361.

Newman SD, et al. (2003) Frontal and parietal participation in problem solving in the Tower of London: fMRI and computational modeling of planning and high-level perception. *Neuropsychologia*, 41(12), 1668.