

Resource Summary Report

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SPM

RRID:SCR_007037

Type: Tool

Proper Citation

SPM (RRID:SCR_007037)

Resource Information

URL: <https://github.com/spm>

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Description: Software package for analysis of brain imaging data sequences. Sequences can be a series of images from different cohorts, or time-series from same subject. Current release is designed for analysis of fMRI, PET, SPECT, EEG and MEG.

Abbreviations: SPM

Synonyms: Statistical Parametric Mapping, SPM5, SPM2, SPM12, Statistical Parametric Mapping Software, SPM99, SPM8, SPM, SPM96

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

Keywords: analysis, brain, imaging, data, sequence, fMRI, PET, SPECT, EEG, MEG, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: SPM

Resource ID: SCR_007037

Alternate IDs: biotools:SPM

Alternate URLs: <https://github.com/spm/spm12>, <https://bio.tools/SPM>

Old URLs: <https://www.fil.ion.ucl.ac.uk/spm/>

License: GNU General Public License

Record Creation Time: 20220129T080239+0000

Ratings and Alerts

No rating or validation information has been found for SPM.

Warning: An early version of this tool produces an error leading to inflated false positive rates.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8748 mentions in open access literature.

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

Dudley J, et al. (2026) Gestational PBDE concentrations and functional connectivity in adolescents: The HOME Study. International journal of hygiene and environmental health, 272, 114745.

Liou JJ, et al. (2026) Examining neuroimaging biomarkers, plasma biomarkers and cognitive functions in patients with recovered COVID-19 infection: a multicentre study using 7T MRI. Brain communications, 8(2), fcag045.

McDermott HH, et al. (2026) Dissociable dynamic effects of expectation during statistical learning. eLife, 13.

Fales KR, et al. (2026) Replicability of Functional Brain Networks: A Study Through the Lens of Seven Resting-State Networks. Human brain mapping, 47(8), e70559.

Voženílek D, et al. (2026) Altered functional connectivity related to prepulse inhibition in functional movement disorder. NeuroImage. Clinical, 49, 103966.

Zheng H, et al. (2026) Aberrant functional connectivity and Granger causality analysis in patients with α -thalassemia major. Annals of hematology, 105(4).

Korte JA, et al. (2026) Age-Related Low Frequency Amplitude Differences in Resting-State Blood Oxygenation Level-Dependent Signal in the Cerebellum. Human brain mapping, 47(7), e70541.

Deng Y, et al. (2026) Motor- and cognitive-dominant functional network adaptations supporting dual-task performance in older adults. Imaging neuroscience (Cambridge, Mass.), 4.

Yulug B, et al. (2026) Transcranial alternating current stimulation improves cognitive functions in healthy subjects through modifying frontoparietal and dorsal attention networks based on personalized individual theta frequency analysis. Frontiers in

behavioral neuroscience, 20, 1821101.

Albert K, et al. (2026) Associations between subjective cognitive concern, brain network connectivity, and cognitive performance in cognitively normal older adults. *Aging brain*, 9, 100155.

Baecke S, et al. (2026) The Impact of Visual Feedback Design on Self-Regulation Performance and Learning in a Single-Session rt-fMRI Neurofeedback Study at 3T and 7T. *Brain sciences*, 16(2).

Dumas JA, et al. (2026) Oral Choline Reduced Working Memory-Related Brain Activation in Postmenopausal Women: A Pilot Study. *Nutrients*, 18(3).

Fritsch M, et al. (2026) Ischemic lesions to the inferior frontal cortex slow perceptual switching. *iScience*, 29(3), 114943.

Inderyas M, et al. (2026) Distinct functional connectivity patterns in myalgic encephalomyelitis and long COVID patients during cognitive fatigue: a 7 Tesla task-fMRI study. *Journal of translational medicine*, 24(1), 236.

Soares C, et al. (2026) Ayahuasca enhances functional connectivity in the third visual pathway and mirror neuron networks: a crossover, multiple-dose functional MRI study. *Social cognitive and affective neuroscience*, 21(1).

Barnden L, et al. (2026) Short-term intrinsic connectivity changes induced by cognitive exertion in healthy participants. *Frontiers in neuroscience*, 20, 1781534.

Edwards LJ, et al. (2026) Analytical Dual Flip Angle R1 Calculation Outside the Small-Angle Regime. *Magnetic resonance in medicine*, 95(4), 2420.

Gädeke M, et al. (2026) Contributions of insula and superior temporal sulcus to interpersonal guilt and responsibility in social decisions. *eLife*, 14.

Shahzad I, et al. (2026) Aligned representation of visual and tactile motion directions in hMT+/V5 and fronto-parietal regions. *Nature communications*, 17(1).

Sevenoaks T, et al. (2026) The Effect of Caffeine Consumption and Acute Withdrawal on Resting-State fMRI Brain Connectivity, Mood and Cognition. *The European journal of neuroscience*, 63(8), e70511.