

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

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

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 [SPARC SAWG](#) .

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

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.

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.

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.

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.