

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>

Proper Citation: SPM (RRID:SCR_007037)

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: software application, data processing software, data analysis software, image analysis software, 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 8694 mentions in open access literature.

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

de Matos NMP, et al. (2026) Disassembling infra-low-frequency neurofeedback: A neurophysiological investigation of its feedback components. *NeuroImage*, 325, 121647.

Reyes H, et al. (2026) Examining functional connectivity in metabolic syndrome and small vessel disease: A novel approach to understanding olfactory dysfunction and Alzheimer's disease. *Brain research*, 1872, 150084.

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.

Zhahara SN, et al. (2026) Reduced functional connectome uniqueness on the whole brain and network levels as a clinically relevant and reproducible neuroimaging marker in major depressive disorder. *Journal of affective disorders*, 399, 121073.

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.

Cyriacks TC, et al. (2025) Subcortical and white matter alterations in canine ventriculomegaly: an observational volumetric and voxel-based-morphometry study. *Fluids and barriers of the CNS*, 22(1), 83.

Mergan E, et al. (2025) Fast face-selective responses in prefrontal face patches of the macaque. *Cell reports*, 44(3), 115389.

Hong SG, et al. (2025) Comparing Lesion Volume Dynamics Between Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder During Remission Using Machine-Learning Segmentation. *Journal of clinical neurology (Seoul, Korea)*, 21(5), 433.

Setogawa S, et al. (2025) Acquisition of auditory discrimination mediated by different processes through two distinct circuits linked to the lateral striatum. *eLife*, 13.

Yildirim-Keles FZ, et al. (2025) Functional and structural plasticity induced by audiovisual associations and sensory experiences. *Brain structure & function*, 230(6), 89.

Zafirova Y, et al. (2025) Integration of head and body orientations in the macaque superior temporal sulcus is stronger for upright bodies. *eLife*, 14.

Jung J, et al. (2025) The role of GABA in semantic memory and its neuroplasticity. *eLife*, 12.

DeRosa J, et al. (2025) Multivariate neural markers of individual differences in thought control difficulties. *NeuroImage. Clinical*, 47, 103826.

Arreguín D, et al. (2025) Cerebellar functional connectivity alteration in individuals with lower limb amputation. *PloS one*, 20(12), e0338619.

Mohammadi S, et al. (2025) Breathing mode selectively modulates brain-wide functional connectivity. *PloS one*, 20(11), e0334165.

Joss D, et al. (2025) Neural correlates of reduction in self-judgment after mindful self-compassion training: A pilot study with resting state fMRI. *Journal of mood and anxiety disorders*, 9.

Zhong X, et al. (2025) Plasma p-tau217 and p-tau217/A β 1-42 are effective biomarkers for identifying CSF- and PET imaging-diagnosed Alzheimer's disease: Insights for research and clinical practice. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(2), e14536.

Laing BT, et al. (2025) Repetitive Grooming Behavior Following Aversive Stimulus Coincides with a Decrease in Anterior Hypothalamic Area Activity. *eNeuro*, 12(1).

Apasamy K, et al. (2025) Mapping hippocampal-cerebellar functional connectivity across the human adult lifespan. *Communications biology*, 8(1), 1619.

Dahnke R, et al. (2025) Segmentation-based quality control of structural MRI using the CAT12 toolbox. *GigaScience*, 14.