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

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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 T1D .

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?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.