

Resource Summary Report

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MarsBaR region of interest toolbox for SPM

RRID:SCR_009605

Type: Tool

Proper Citation

MarsBaR region of interest toolbox for SPM (RRID:SCR_009605)

Resource Information

URL: <http://marsbar.sourceforge.net/>

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Description: A toolbox for SPM which provides routines for region of interest analysis. Features include region of interest definition, combination of regions of interest with simple algebra, extraction of data for regions with and without SPM preprocessing (scaling, filtering), and statistical analyses of ROI data using the SPM statistics machinery.

Abbreviations: MarsBaR

Synonyms: MARSeille Boite A Region dInteret, MARSeille Boite a Region dInteret

Resource Type: software toolkit, software resource, software application, data processing software

Keywords: analyze, linear, matlab, magnetic resonance, nifti, os independent, regression, statistical operation, region of interest, spm, analysis

Availability: GNU General Public License

Resource Name: MarsBaR region of interest toolbox for SPM

Resource ID: SCR_009605

Alternate IDs: nlx_155806

Alternate URLs: <http://www.nitrc.org/projects/marsbar>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260808T190310+0000

Ratings and Alerts

No rating or validation information has been found for MarsBaR region of interest toolbox for SPM.

No alerts have been found for MarsBaR region of interest toolbox for SPM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1320 mentions in open access literature.

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

Ranque S, et al. (2026) Efficacy and mechanism of supervised adapted physical activity on quality of life for patients with fibromyalgia: single-center, prospective, randomised clinical and neuroimaging study. Scientific reports, 16(1), 5398.

Lenniger CJ, et al. (2026) Anterior insula reactivity to loss moderates the association between trait impulsivity and future suicidal ideation in adolescents. Developmental cognitive neuroscience, 79, 101726.

Korczyk M, et al. (2026) Repetition Suppression for Mirror Images of Objects and Not Braille Letters in the Ventral Visual Stream of Congenitally Blind Individuals. eNeuro, 13(1).

Adams F, et al. (2026) Neurobehavioral correlates of inhibitory control in youth at-risk for early low-level alcohol use initiation: neuroimaging findings from the ABCD study. Frontiers in psychiatry, 17, 1734436.

Delplanque J, et al. (2026) The good, the bad, and the in-between: an exploratory study of how different groups may be represented in the brain. Frontiers in behavioral neuroscience, 20, 1773300.

Jung J, et al. (2026) Evaluation of the association between MREPT-derived conductivity and IVIM-derived ISF-related metrics in the brains of patients with cognitive impairments. Frontiers in aging neuroscience, 18, 1828803.

Cao Z, et al. (2026) Behavioral and neural mechanisms underlying contextual processing in naturalistic short video viewing. iScience, 29(1), 114269.

Vinogradova V, et al. (2026) The impact of language proficiency on task-dependent neural activity and functional connectivity: insights from deafness. Cerebral cortex (New York, N.Y. : 1991), 36(1).

Eckstrand KL, et al. (2026) Adolescents' ventral striatal reward neural activity moderates the association between lifetime trauma exposure and lower depression after 6 months. European journal of psychotraumatology, 17(1), 2611512.

Kim M, et al. (2026) Preliminary Evidence for Changes in Functional Connectivity Associated with Emotional Awareness after Mobile-Based Mindfulness Meditation. *Yonsei medical journal*, 67(3), 238.

Flasbeck V, et al. (2026) Reduced activation in empathy core regions during observation of social interactions in patients with borderline personality disorder: an fMRI-study. *Translational psychiatry*, 16(1).

Takemoto A, et al. (2026) Neural responses to virtual avatars are shaped by user preference and personality traits. *Scientific reports*, 16(1).

Witkowski PP, et al. (2025) Neural mechanisms of credit assignment for delayed outcomes during contingent learning. *eLife*, 13.

Simon JJ, et al. (2025) Savoring Satiety: An Exploratory Analysis of the Neural Correlates of Sensory-Specific Satiety. *Nutrients*, 17(20).

Arioli M, et al. (2025) Neural correlates of executive dysfunction in alcohol use disorder: preliminary evidence from 18F-FDG-PET. *Frontiers in psychology*, 16, 1568085.

Horisawa R, et al. (2025) Brain activation patterns reflecting differences in music training: listening by ear vs. reading sheet music for the recognition of contexts and structures in a composition. *Cerebral cortex (New York, N.Y. : 1991)*, 35(4).

Pirc M, et al. (2025) Perceptual differences in olfactory fat discrimination are not detected in neural activation. *Chemical senses*, 50.

Diez-Cirarda M, et al. (2025) Choroid plexus volume is enlarged in long COVID and associated with cognitive and brain changes. *Molecular psychiatry*, 30(7), 2821.

Froesel M, et al. (2025) High-resolution fMRI reveals a dorsal brain pathway selective for conspecific vocalizations in macaques. *Imaging neuroscience (Cambridge, Mass.)*, 3.

Abdelmotaleb M, et al. (2025) Identification of Reliable Target Brain Regions for Enhancing Object-Location Memory by Brain Stimulation. *Brain and behavior*, 15(7), e70658.