

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 resource, software application, data processing software, software toolkit

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: 20260801T190842+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 1266 mentions in open access literature.

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

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).

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.

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

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.

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).

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.

Frei N, et al. (2025) Toward a Mechanistic Understanding of Reading Difficulties: Deviant Audiovisual Learning Dynamics and Network Connectivity in Children with Poor Reading Skills. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(17).

Chen B, et al. (2025) Characteristics of cerebral glucose metabolism in patients with cognitive impairment in multiple system atrophy. *Frontiers in aging neuroscience*, 17, 1520515.

Xie H, et al. (2025) Theta-frequency subthalamic stimulation enhances conflict resolution in Parkinson's disease patients with freezing of gait through frontal cortex modulation. *NPJ Parkinson's disease*, 11(1), 206.

Yang Y, et al. (2025) Potential locations for non-invasive brain stimulation in treating ADHD: Results from a cross-dataset validation of functional connectivity analysis. *Translational psychiatry*, 15(1), 81.

Guedj E, et al. (2025) Emotional stress during the COVID-19 lockdown: how negative X/Twitter posts correlated with changes in the brain's fear network. *Frontiers in nuclear medicine*, 5, 1575026.

Wong HK, et al. (2025) Cingulate and frontopolar cortical projections to the cerebellar vermis support prolonged reaction time in identifying negative emotional scenes in women. *NeuroImage*, 319, 121435.

Yang J, et al. (2025) How the New Interacts With the Old? Hippocampal Processing During Memory Encoding of Creative Associations With Remote or Close Inherent Semantic Relatedness. *Human brain mapping*, 46(15), e70381.

Hur A, et al. (2025) Investigating Disembodiment-related Brain Activation by Interaction between Perspective-shifting and the Experience of Agency in Autism Spectrum Disorder: A Possible Relationship with Interoceptive Abilities. *Clinical psychopharmacology and neuroscience : the official scientific journal of the Korean College of Neuropsychopharmacology*, 23(1), 86.

Cheng Y, et al. (2025) Shared and Unique Neural Codes for Biological Motion Perception in Humans and Macaque Monkeys. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(18), e2411562.

Khalaf A, et al. (2025) Shared subcortical arousal systems across sensory modalities during transient modulation of attention. *NeuroImage*, 312, 121224.

Pamplona GSP, et al. (2025) Neural Mechanisms of Feedback Processing and Regulation Recalibration During Neurofeedback Training. *Human brain mapping*, 46(10), e70279.

Lim L, et al. (2025) Atypical Neural Activation During Emotional but Not Nonemotional Response Inhibition in Healthy Young People Exposed to Childhood Maltreatment and Peer Victimization. *Biological psychiatry global open science*, 5(4), 100497.

Kim JA, et al. (2025) Chronotherapeutic intervention targeting emotion regulation brain circuitry, symptoms, and suicide risk in adolescents and young adults with bipolar disorder: a pilot randomised trial. *BMJ mental health*, 28(1).