Resource Summary Report

Generated by NIF on Apr 22, 2025

brainmap.org

RRID:SCR_003069
Type: Tool

Proper Citation

brainmap.org (RRID:SCR_003069)

Resource Information

URL: http://brainmap.org/

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Description: A community database of published functional and structural neuroimaging experiments with both metadata descriptions of experimental design and activation locations in the form of stereotactic coordinates (x,y,z) in Talairach or MNI space. BrainMap provides not only data for meta-analyses and data mining, but also distributes software and concepts for quantitative integration of neuroimaging data. The goal of BrainMap is to develop software and tools to share neuroimaging results and enable meta-analysis of studies of human brain function and structure in healthy and diseased subjects. It is a tool to rapidly retrieve and understand studies in specific research domains, such as language, memory, attention, reasoning, emotion, and perception, and to perform meta-analyses of like studies. Brainmap contains the following software: # Sleuth: database searches and Talairach coordinate plotting (this application requires a username and password) # GingerALE: performs meta-analyses via the activation likelihood estimation (ALE) method; also converts coordinates between MNI and Talairach spaces using icbm2tal # Scribe: database entry of published functional neuroimaging papers with coordinate results

Abbreviations: BrainMap

Synonyms: BrainMap Database

Resource Type: data or information resource, database, software application, software resource

Defining Citation: PMID:15897617, PMID:11967563, PMID:15846810

Keywords: 3d model, atlas, data management, imaging, map, neuroinformatics, warping,

neuroimaging, brain, talairach, mni, java, modeling, magnetic resonance, nifti-1, ontology, os independent, pet, spect, visualization, functional neuroimaging, fmri

Related Condition: Healthy, Diseased

Funding: NIMH 2R01-MH074457

Availability: BrainMap License, Free for educational and scientific purposes, Non-commercial, Coding scheme and its taxonomy of experimental design are available for use without restriction, Acknowledgement requested

Resource Name: brainmap.org

Resource ID: SCR_003069

Alternate IDs: nif-0000-00049

Alternate URLs: http://www.nitrc.org/projects/brainmap

Record Creation Time: 20220129T080217+0000

Record Last Update: 20250422T055057+0000

Ratings and Alerts

No rating or validation information has been found for brainmap.org.

No alerts have been found for brainmap.org.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 423 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Saberi A, et al. (2025) Convergent functional effects of antidepressants in major depressive disorder: a neuroimaging meta-analysis. Molecular psychiatry, 30(2), 736.

van Stee A, et al. (2025) Apples and oranges: Conceptual review as task analysis method. The European journal of neuroscience, 61(1), e16623.

Magielse N, et al. (2024) Bias-accounting meta-analyses overcome cerebellar neglect to refine the cerebellar behavioral topography. bioRxiv : the preprint server for biology.

Fascher M, et al. (2024) Neural underpinnings of response inhibition in substance use disorders: weak meta-analytic evidence for a widely used construct. Psychopharmacology, 241(1), 1.

Bulut T, et al. (2024) Contributions of the left and right thalami to language: A meta-analytic approach. Brain structure & function, 229(9), 2149.

Yu J, et al. (2024) Convergent functional change of frontoparietal network in obsessive-compulsive disorder: a voxel-based meta-analysis. Frontiers in psychiatry, 15, 1401623.

Costa T, et al. (2024) Activation Likelihood Estimation Neuroimaging Meta-Analysis: a Powerful Tool for Emotion Research. Psychology research and behavior management, 17, 2331.

Williams KA, et al. (2024) Inhibition of the inferior parietal lobe triggers state-dependent network adaptations. Heliyon, 10(21), e39735.

Ren H, et al. (2024) The shared neurobiological basis of developmental dyslexia and developmental stuttering: A meta-analysis of functional and structural MRI studies. International journal of clinical and health psychology : IJCHP, 24(4), 100519.

Costa C, et al. (2024) Comprehensive investigation of predictive processing: A cross- and within-cognitive domains fMRI meta-analytic approach. Human brain mapping, 45(12), e26817.

Bailey M, et al. (2024) The impact of APOE ?4 in Alzheimer's disease: a meta-analysis of voxel-based morphometry studies. medRxiv : the preprint server for health sciences.

Watanuki S, et al. (2024) Identifying distinctive brain regions related to consumer choice behaviors on branded foods using activation likelihood estimation and machine learning. Frontiers in computational neuroscience, 18, 1310013.

Chen L, et al. (2024) Understanding gender differences in reasoning and specific paradigm using meta-analysis of neuroimaging. Frontiers in behavioral neuroscience, 18, 1457663.

Testa G, et al. (2024) The Functional Neuroimaging of Autobiographical Memory for Happy Events: A Coordinate-Based Meta-Analysis. Healthcare (Basel, Switzerland), 12(7).

Duan Q, et al. (2024) Functional decoding and meta-analytic connectivity modeling in thyroid-associated ophthalmopathy. Heliyon, 10(1), e23749.

Pinto J, et al. (2024) Psychological symptoms and brain activity alterations in women with PCOS and their relation to the reduced quality of life: a narrative review. Journal of endocrinological investigation, 47(7), 1.

Bailey M, et al. (2024) Impact of Apolipoprotein E ?4 in Alzheimer's Disease: A Meta-Analysis of Voxel-Based Morphometry Studies. Journal of clinical neurology (Seoul, Korea), 20(5), 469.

Zhao M, et al. (2024) Two different mirror neuron pathways for social and non-social actions? A meta-analysis of fMRI studies. Social cognitive and affective neuroscience, 19(1).

Zhao L, et al. (2024) A comparative meta-analysis of structural magnetic resonance imaging studies and gene expression profiles revealing the similarities and differences between late life depression and mild cognitive impairment. Psychological medicine, 54(15), 1.

Yeung AWK, et al. (2024) The reverberation of implementation errors in a neuroimaging meta-analytic software package: A citation analysis to a technical report on GingerALE. Heliyon, 10(18), e38084.