

Resource Summary Report

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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: software application, data or information resource, database, 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: Free, Freely available

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: 20260729T044036+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 448 mentions in open access literature.

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

Bernard JA, et al. (2025) Altered cerebellar activation patterns in Alzheimer's disease: An activation likelihood estimation Meta-Analysis. *NeuroImage. Clinical*, 46, 103770.

Bryant KL, et al. (2025) Connectivity profile and function of uniquely human cortical areas. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(15).

Tahamata VM, et al. (2025) Domain-Specific and Domain-General Functional Brain Alterations in Type 2 Diabetes Mellitus: A Task-Based and Functional Connectivity Meta-Analysis. *Brain and behavior*, 15(4), e70438.

Sobral M, et al. (2025) Neural correlates of peripartum depression: a systematic review, meta-analysis and comparison to major depressive disorder. *Molecular psychiatry*, 30(12), 5979.

Fu Y, et al. (2025) The shared neural substrates of emotional mimicry and emotional contagion: an activation likelihood estimation meta-analysis and meta-analytic connectivity modeling analysis. *Social cognitive and affective neuroscience*, 20(1).

- Zhang M, et al. (2025) Unraveling morphological brain network disparities Parkinsonian tremor from essential tremor: an artificial intelligence approach for clinical differentiation. *NPJ Parkinson's disease*, 11(1), 253.
- van Stee A, et al. (2025) Apples and oranges: Conceptual review as task analysis method. *The European journal of neuroscience*, 61(1), e16623.
- ??nal ZE, et al. (2025) Neurodevelopmental commonalities in cognitive control networks for mathematics and reading in meta-analysis of 3308 participants. *Nature communications*, 16(1), 8398.
- Reimann GM, et al. (2025) Distinct Convergent Brain Alterations in Sleep Disorders and Sleep Deprivation: A Meta-Analysis. *JAMA psychiatry*, 82(7), 681.
- Fan X, et al. (2025) Coordinates-based meta-analysis for vestibular migraine and the underlying mechanisms behind it. *Frontiers in neurology*, 16, 1495423.
- Saberi A, et al. (2025) Convergent functional effects of antidepressants in major depressive disorder: a neuroimaging meta-analysis. *Molecular psychiatry*, 30(2), 736.
- Li X, et al. (2025) Mapping striatal functional gradients and associated gene expression in Parkinson's disease with continuous cognitive impairment. *NPJ Parkinson's disease*, 11(1), 138.
- Chai QY, et al. (2025) An ALE meta-analysis on the effects of neural changes due to exercise on executive function in a healthy population. *Scientific reports*, 15(1), 34415.
- Mu R, et al. (2025) White matter hyperintensities drive propagating grey matter atrophy in cerebral small vessel disease. *Brain communications*, 7(6), fcaf429.
- Liang J, et al. (2025) Gray matter and cognitive alteration related to chronic obstructive pulmonary disease patients: combining ALE meta-analysis and MACM analysis. *Brain imaging and behavior*, 19(1), 204.
- He D, et al. (2025) Structural and functional brain abnormal alteration in patients with type 2 diabetes mellitus: A coordinate-based meta-analysis. *Translational psychiatry*, 15(1), 269.
- Zhong YL, et al. (2025) Genetic mechanisms of dynamic functional connectivity density in diabetic retinopathy brains: a combined transcriptomic and resting-state functional magnetic resonance imaging study. *Frontiers in cellular neuroscience*, 19, 1476038.
- Kwon J, et al. (2025) Mimed speech as an intermediary state between overt and imagined speech production in an electrocorticography study. *Scientific reports*, 15(1), 33393.
- Davididi S, et al. (2025) The Neural Correlates of Response Inhibition With and Without Conflict in ADHD: An Activation Likelihood Estimation Meta-Analysis. *The European journal of neuroscience*, 62(5), e70244.
- Xia J, et al. (2025) Disentangling shared and unique brain functional changes associated with clinical severity and cognitive phenotypes in schizophrenia via deep learning. *Communications biology*, 8(1), 1215.