Resource Summary Report

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BrainMaps.org

RRID:SCR_006878
Type: Tool

Proper Citation

BrainMaps.org (RRID:SCR_006878)

Resource Information

URL: http://brainmaps.org

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Description: An interactive multiresolution brain atlas that is based on over 20 million megapixels of sub-micron resolution, annotated, scanned images of serial sections of both primate and non-primate brains and integrated with a high-speed database for querying and retrieving data about brain structure and function. Currently featured are complete brain atlas datasets for various species, including Macaca mulatta, Chlorocebus aethiops, Felis catus, Mus musculus, Rattus norvegicus, Tyto alba and many other vertebrates. BrainMaps is currently accepting histochemical, immunocytochemical, and tracer connectivity data, preferably whole-brain. In addition, they are interested in EM, MRI, and DTI data.

Abbreviations: BrainMaps

Synonyms: BrainMaps: An Interactive Multiresolution Brain Atlas, BrainMaps.org: High Resolution Brain Atlases, BrainMaps

Resource Type: atlas, data or information resource, data repository, image repository, service resource, storage service resource

Defining Citation: PMID:17229579

Keywords: aves, brain connection, callicebus moloch, c. auratus, connectivity, monodelphis, o. anatinus, tachyglossidae, brain mapping, virtual microscopy, brain atlas, non-primate, nissl stain, nissl, parvalbumin, smi-32, acetylcholinesterase, luxol fast blue, calbindin, myelin, neuroanatomy, image, brain structure, brain function, database, serial section, brain, tract tracing, coronal, horizontal, sagittal, web service, gene, FASEB list

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NIMH R01 MH77556

Availability: Acknowledgement requested

Resource Name: BrainMaps.org

Resource ID: SCR_006878

Alternate IDs: nif-0000-00093, r3d100012117

Alternate URLs: http://www.nitrc.org/projects/brainmaps, https://doi.org/10.17616/R3Q64W

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260821T193815+0000

Ratings and Alerts

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

No alerts have been found for BrainMaps.org.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 84 mentions in open access literature.

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

Zhang Y, et al. (2026) Age-Related Decline in Myelin Markers and Oligodendrocyte Density in Rhesus Macaque Prefrontal Cortex. eNeuro, 13(4).

Zhu T, et al. (2026) Diffusion-MRI-Based Estimation of Cortical Architecture via Machine Learning (DECAM) in Primate Brains. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(14), e12752.

Feng Z, et al. (2025) A mouse brain stereotaxic topographic atlas with isotropic 1-??m resolution. Nature, 645(8080), 448.

Acosta MC, et al. (2025) Sex-Specific Effects of Experience With Pups on Perineuronal Net Expression in the Biparental California Mouse (Peromyscus californicus). The Journal of comparative neurology, 533(11), e70104.

Chrisman AN, et al. (2025) Oxytocin neurons in the anterior and posterior paraventricular nucleus have distinct behavioral functions and electrophysiological profiles. bioRxiv : the preprint server for biology.

Ping A, et al. (2025) Brainwide mesoscale functional networks revealed by focal infrared neural stimulation of the amygdala. National science review, 12(4), nwae473.

Ressmeyer RA, et al. (2025) OpenIrisDPI: An Open-Source Digital Dual Purkinje Image Eye Tracker for Visual Neuroscience. bioRxiv : the preprint server for biology.

Wang YM, et al. (2025) Regional and aging-specific cellular architecture of non-human primate brains. Genome medicine, 17(1), 41.

Ding SL, et al. (2024) Lamination, Borders, and Thalamic Projections of the Primary Visual Cortex in Human, Non-Human Primate, and Rodent Brains. Brain sciences, 14(4).

Kase D, et al. (2024) Movement-related activity in the internal globus pallidus of the parkinsonian macaque. bioRxiv : the preprint server for biology.

Adusei M, et al. (2024) Parallel Streams of Direct Corticogeniculate Feedback from Mid-level Extrastriate Cortex in the Macaque Monkey. eNeuro, 11(3).

Ping A, et al. (2024) Brainwide mesoscale functional networks revealed by focal infrared neural stimulation of the amygdala. bioRxiv : the preprint server for biology.

Coates A, et al. (2024) High-resolution dataset of manual claustrum segmentation. Data in brief, 54, 110253.

Mishra A, et al. (2023) Disrupting nociceptive information processing flow through transcranial focused ultrasound neuromodulation of thalamic nuclei. Brain stimulation, 16(5), 1430.

Heuer K, et al. (2023) Diversity and evolution of cerebellar folding in mammals. eLife, 12.

Haines E, et al. (2023) Clade-specific forebrain cytoarchitectures of the extinct Tasmanian tiger. Proceedings of the National Academy of Sciences of the United States of America, 120(32), e2306516120.

Kaiser M, et al. (2023) Connectomes: from a sparsity of networks to large-scale databases. Frontiers in neuroinformatics, 17, 1170337.

Wei J, et al. (2023) Spatiotemporal proteomic atlas of multiple brain regions across early fetal to neonatal stages in cynomolgus monkey. Nature communications, 14(1), 3917.

Pastor-Bernier A, et al. (2023) Studying neural responses for multi-component economic choices in human and non-human primates using concept-based behavioral choice experiments. STAR protocols, 4(2), 102296.

de Sousa AA, et al. (2023) From fossils to mind. Communications biology, 6(1), 636.