

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: service resource, data or information resource, data repository, image repository, atlas, 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: 20260729T044138+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 78 mentions in open access literature.

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

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.

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

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*.

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.

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.

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

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.

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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.

Wilson KM, et al. (2022) Neural responses to pup calls and pup odors in California mouse fathers and virgin males. *Behavioural brain research*, 434, 114024.

Salinas AG, et al. (2021) Long-term alcohol consumption alters dorsal striatal dopamine release and regulation by D2 dopamine receptors in rhesus macaques. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 46(8), 1432.

Haddad A, et al. (2021) Reduced neuronal population in the dorsolateral prefrontal cortex in infant macaques infected with simian immunodeficiency virus (SIV). *Journal of neurovirology*, 27(6), 923.

Hasan MF, et al. (2021) Neuron and astrocyte aggregation and sorting in three-dimensional neuronal constructs. *Communications biology*, 4(1), 587.

Franchini LF, et al. (2021) Genetic Mechanisms Underlying Cortical Evolution in Mammals. *Frontiers in cell and developmental biology*, 9, 591017.

Muñoz-Castañeda R, et al. (2021) Cellular anatomy of the mouse primary motor cortex. *Nature*, 598(7879), 159.