

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

[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: data or information resource, data repository, storage service resource, image repository, service resource, atlas

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

Funding: NIMH 2 P20 MH60975;
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: 20260801T042627+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 [PRECISE-TBI](#) .

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.

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

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

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).

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

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

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.

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.

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