

Resource Summary Report

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BrainInfo

RRID:SCR_003142

Type: Tool

Proper Citation

BrainInfo (RRID:SCR_003142)

Resource Information

URL: <http://braininfo.rprc.washington.edu>

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Description: Portal to neuroanatomical information on the Web that helps you identify structures in the brain and provides a variety of information about each structure by porting you to the best of 1500 web pages at 100 other neuroscience sites. BrainInfo consists of three basic components: NeuroNames, a developing database of definitions of neuroanatomic structures in four species, their most common acronyms and their names in eight languages; NeuroMaps, a digital atlas system based on 3-D canonical stereotaxic atlases of rhesus macaque and mouse brains and programs that enable one to map data to standard surface and cross-sectional views of the brains for presentation and publication; and the NeuroMaps precursor: Template Atlas of the Primate Brain, a 2-D stereotaxic atlas of the longtailed (fascicularis) macaque brain that shows the locations of some 250 architectonic areas of macaque cortex. The NeuroMaps atlases will soon include a number of overlays showing the locations of cortical areas and other neuroscientific data in the standard frameworks of the macaque and mouse atlases. Viewers are encouraged to use NeuroNames as a stable source of unique standard terms and acronyms for brain structures in publications, illustrations and indexing systems; to use templates extracted from the NeuroMaps macaque and mouse brain atlases for presenting neuroscientific information in image format; and to use the Template Atlas for warping to MRIs or PET scans of the macaque brain to estimate the stereotaxic locations of structures.

Synonyms: Brain Info

Resource Type: atlas, data or information resource, database, narrative resource, portal, standard specification, topical portal

Defining Citation: [PMID:21789500](#), [PMID:21163300](#), [PMID:18368361](#), [PMID:15055392](#)

Keywords: brain, neuroanatomy

Funding: The Human Brain Project ;
NIBIB ;
NLM LM/OD-06243;
NIH Office of the Director LM/OD-06243;
NIMH MHO69259;
NCRR RR-00166

Availability: Free, Freely available

Resource Name: BrainInfo

Resource ID: SCR_003142

Alternate IDs: nif-0000-00019

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260905T132458+0000

Ratings and Alerts

No rating or validation information has been found for BrainInfo.

No alerts have been found for BrainInfo.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Guang J, et al. (2021) Toward asleep DBS: cortico-basal ganglia spectral and coherence activity during interleaved propofol/ketamine sedation mimics NREM/REM sleep activity. NPJ Parkinson's disease, 7(1), 67.

Iskhakova L, et al. (2021) Modulation of dopamine tone induces frequency shifts in cortico-basal ganglia beta oscillations. Nature communications, 12(1), 7026.

Bijari K, et al. (2020) An open-source framework for neuroscience metadata management applied to digital reconstructions of neuronal morphology. Brain informatics, 7(1), 2.

Alexander B, et al. (2019) Desikan-Killiany-Tourville Atlas Compatible Version of M-CRIB Neonatal Parcellated Whole Brain Atlas: The M-CRIB 2.0. Frontiers in neuroscience, 13, 34.

Patterson D, et al. (2015) Dynamic Data Visualization with Weave and Brain Choropleths. PloS one, 10(9), e0139453.

Majka P, et al. (2013) 3D brain atlas reconstructor service--online repository of three-dimensional models of brain structures. Neuroinformatics, 11(4), 507.

Bridwell DA, et al. (2013) The spatospectral characterization of brain networks: fusing concurrent EEG spectra and fMRI maps. NeuroImage, 69, 101.

Bota M, et al. (2010) Collating and Curating Neuroanatomical Nomenclatures: Principles and Use of the Brain Architecture Knowledge Management System (BAMS). Frontiers in neuroinformatics, 4, 3.

Arci??naga II, et al. (2010) Cell locations for AQP1, AQP4 and 9 in the non-human primate brain. Neuroscience, 167(4), 1103.

French L, et al. (2009) Automated recognition of brain region mentions in neuroscience literature. Frontiers in neuroinformatics, 3, 29.

Jolivel V, et al. (2009) Distribution and functional characterization of pituitary adenylate cyclase-activating polypeptide receptors in the brain of non-human primates. Neuroscience, 160(2), 434.

Pantazatos SP, et al. (2009) Integration of Neuroimaging and Microarray Datasets through Mapping and Model-Theoretic Semantic Decomposition of Unstructured Phenotypes. Cancer informatics, 8, 75.

Devlin JT, et al. (2007) In praise of tedious anatomy. NeuroImage, 37(4), 1033.

Dawson K, et al. (2005) Sample phenotype clusters in high-density oligonucleotide microarray data sets are revealed using Isomap, a nonlinear algorithm. BMC bioinformatics, 6, 195.

Baldock R, et al. (2005) Anatomical ontologies: names and places in biology. Genome biology, 6(4), 108.

Marenco L, et al. (2003) Achieving evolvable Web-database bioscience applications using the EAV/CR framework: recent advances. Journal of the American Medical Informatics Association : JAMIA, 10(5), 444.