

Resource Summary Report

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Brain Explorer Atlas and Teaching Tool

RRID:SCR_013022

Type: Tool

Proper Citation

Brain Explorer Atlas and Teaching Tool (RRID:SCR_013022)

Resource Information

URL: <http://mouse.brain-map.org/static/brainexplorer>

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Description: Atlas of the brain and the disorders affecting it, aimed at general practitioners and specialists in training. It consists of three main parts: a description of the different parts of the normal brain and their functions, a description of the process of neurological control, and a description of 14 different brain disorders in psychiatry and neurology - as well as their cause, symptoms, and treatment.

Synonyms: Brain Explorer

Resource Type: atlas, data or information resource, software resource, training resource

Defining Citation: [PMID:23493964](#)

Keywords: neuroanatomy, glossary, human, mouse, brain atlas, neural anatomy

Availability: Free, Available for download, Runs on Windows, Runs on Mac OS

Resource Name: Brain Explorer Atlas and Teaching Tool

Resource ID: SCR_013022

Alternate IDs: nif-0000-00362

Alternate URLs: <http://brainexplorer.org/>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260905T132731+0000

Ratings and Alerts

No rating or validation information has been found for Brain Explorer Atlas and Teaching Tool.

No alerts have been found for Brain Explorer Atlas and Teaching Tool.

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](#) .

Kim CY, et al. (2022) Simultaneous Cellular Imaging, Electrical Recording and Stimulation of Hippocampal Activity in Freely Behaving Mice. *Experimental neurobiology*, 31(3), 208.

Shahoha M, et al. (2022) cAMP-Dependent Synaptic Plasticity at the Hippocampal Mossy Fiber Terminal. *Frontiers in synaptic neuroscience*, 14, 861215.

Zhu J, et al. (2021) 1700nm optical coherence microscopy enables minimally invasive, label-free, in vivo optical biopsy deep in the mouse brain. *Light, science & applications*, 10(1), 145.

Pauli M, et al. (2021) Targeted volumetric single-molecule localization microscopy of defined presynaptic structures in brain sections. *Communications biology*, 4(1), 407.

Wang G, et al. (2021) Activation of 6-8-week-old new mature adult-born dentate granule cells contributes to anxiety-like behavior. *Neurobiology of stress*, 15, 100358.

Carneiro-Nascimento S, et al. (2021) Region- and receptor-specific effects of chronic social stress on the central serotonergic system in mice. *IBRO neuroscience reports*, 10, 8.

Uezu A, et al. (2019) Essential role for InSyn1 in dystroglycan complex integrity and cognitive behaviors in mice. *eLife*, 8.

McGuckin Wuertz K, et al. (2019) STING is required for host defense against neuropathological West Nile virus infection. *PLoS pathogens*, 15(8), e1007899.

Klorig DC, et al. (2019) Optogenetically-Induced Population Discharge Threshold as a Sensitive Measure of Network Excitability. *eNeuro*, 6(6).

Goubran M, et al. (2019) Multimodal image registration and connectivity analysis for integration of connectomic data from microscopy to MRI. *Nature communications*, 10(1), 5504.

Pho GN, et al. (2018) Task-dependent representations of stimulus and choice in mouse parietal cortex. *Nature communications*, 9(1), 2596.

Anacker C, et al. (2018) Hippocampal neurogenesis confers stress resilience by inhibiting the ventral dentate gyrus. *Nature*, 559(7712), 98.

Michetti C, et al. (2017) The PRRT2 knockout mouse recapitulates the neurological diseases associated with PRRT2 mutations. *Neurobiology of disease*, 99, 66.

Peyrache A, et al. (2017) Transformation of the head-direction signal into a spatial code. *Nature communications*, 8(1), 1752.

Commons KG, et al. (2015) Two major network domains in the dorsal raphe nucleus. *The Journal of comparative neurology*, 523(10), 1488.

Lei R, et al. (2015) Carbon Ion Irradiated Neural Injury Induced the Peripheral Immune Effects in Vitro or in Vivo. *International journal of molecular sciences*, 16(12), 28334.