Resource Summary Report

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NeuroInfo

RRID:SCR_017346
Type: Tool

Proper Citation

NeuroInfo (RRID:SCR_017346)

Resource Information

URL: https://www.mbfbioscience.com/neuroinfo

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Description: Software for automatic identification and delineation of brain regions within experimental mouse brain sections. NeuroInfo registers serial section images of any orientation to Allen Mouse Brain Atlas, corrects for distortion due to histological processing, delineates anatomies in experimental section, and detects and reports on cell number within selected anatomies.

Resource Type: software resource, data visualization software, data processing software, 3d visualization software, image reconstruction software, software application, image analysis software

Defining Citation: DOI:10.1002/cne.24635

Keywords: Allen Brain Atlas, Brain, mouse, histology, delineation, mbfbioscience

Availability: Restricted

Resource Name: NeuroInfo

Resource ID: SCR_017346

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260803T040731+0000

Ratings and Alerts

No rating or validation information has been found for NeuroInfo.

No alerts have been found for NeuroInfo.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Goldbach HC, et al. (2025) Cholinergic-dependent dopamine signals in mouse dorsal striatum are regulated by frontal but not sensory cortices. bioRxiv : the preprint server for biology.

Rivera JF, et al. (2025) ATLAS: a rationally designed anterograde transsynaptic tracer. Nature methods, 22(5), 1101.

Mazo DLB, et al. (2025) Feature-specific threat coding in lateral septum guides defensive action. Research square.

Lei Y, et al. (2025) Chronic social isolation-unpredictable stress induces early-onset cognitive deficits and exacerbates A? accumulation in the 5xFAD mouse model of Alzheimer's disease. Molecular psychiatry, 30(10), 4720.

Inácio AR, et al. (2025) Brain-wide presynaptic networks of functionally distinct cortical neurons. Nature, 641(8061), 162.

Habib A, et al. (2025) Subtype-Specific Roles of Nigrostriatal Dopaminergic Neurons in Motor and Associative Learning. bioRxiv : the preprint server for biology.

Nedelescu H, et al. (2025) Motivating Effects of Negative-hedonic Valence Encoded in Engrams. Research square.

Muñoz Zamora A, et al. (2025) Cold memories control whole-body thermoregulatory responses. Nature, 641(8064), 942.

Lustig J, et al. (2025) Selective Targeting of a Defined Subpopulation of Corticospinal Neurons Using a Novel Klhl14-Cre Mouse Line Enables Molecular and Anatomical Investigations through Development into Maturity. eNeuro, 12(9).

Paz RM, et al. (2025) Repetitive Levodopa Treatment Drives Cell Type-Specific Striatal Adaptations Associated With Progressive Dyskinesia in Parkinsonian Mice. bioRxiv : the preprint server for biology.

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. Research square.

Oliver Goral R, et al. (2024) Acetylcholine Neurons Become Cholinergic during Three Time Windows in the Developing Mouse Brain. eNeuro, 11(7).

Barbour AJ, et al. (2024) Hyperactive neuronal networks facilitate tau spread in an Alzheimer's disease mouse model. bioRxiv : the preprint server for biology.

Hochbaum DR, et al. (2024) Thyroid hormone remodels cortex to coordinate body-wide metabolism and exploration. Cell, 187(20), 5679.

Ryan MB, et al. (2024) Excessive firing of dyskinesia-associated striatal direct pathway neurons is gated by dopamine and excitatory synaptic input. Cell reports, 43(8), 114483.

Troppoli TA, et al. (2024) Neuronal PAS domain 1 identifies a major subpopulation of wakefulness-promoting GABAergic neurons in the basal forebrain. Proceedings of the National Academy of Sciences of the United States of America, 121(21), e2321410121.

Hsieh AL, et al. (2024) Widespread neuroanatomical integration and distinct electrophysiological properties of glioma-innervating neurons. Proceedings of the National Academy of Sciences of the United States of America, 121(50), e2417420121.

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. bioRxiv : the preprint server for biology.

Callahan JW, et al. (2024) Movement-related increases in subthalamic activity optimize locomotion. Cell reports, 43(8), 114495.

Fisher J, et al. (2024) Cortical somatostatin long-range projection neurons and interneurons exhibit divergent developmental trajectories. Neuron, 112(4), 558.