

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

Defining Citation: [DOI:10.1002/cne.24635](https://doi.org/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: 20260819T044441+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 36 mentions in open access literature.

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

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.

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

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.

Ribeiro Gomes AR, et al. (2025) Targeted gene transfer into developmentally defined cell populations of the primate brain. Cell reports, 45(1), 116756.

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

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

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

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

Lustig J, et al. (2025) Selective Targeting of a Defined Subpopulation of Corticospinal Neurons Using a Novel Khl14-Cre Mouse Line Enables Molecular and Anatomical Investigations through Development into Maturity. eNeuro, 12(9).

Habib A, et al. (2025) Subtype-specific roles of nigrostriatal dopaminergic neurons in motor and associative learning. Ageing and neurodegenerative diseases, 5(4).

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.

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.

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.

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*.