Resource Summary Report

Generated by dkNET on Apr 14, 2025

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

Defining Citation: DOI:10.1002/cne.24635

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

Funding:

Availability: Restricted

Resource Name: NeuroInfo

Resource ID: SCR_017346

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250412T060113+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 23 mentions in open access literature.

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

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.

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

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. 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.

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.

Dwivedi D, et al. (2024) Metabotropic signaling within somatostatin interneurons controls transient thalamocortical inputs during development. Nature communications, 15(1), 5421.

Ratliff JM, et al. (2024) Neocortical long-range inhibition promotes cortical synchrony and

sleep. bioRxiv : the preprint server for biology.

Lustig J, et al. (2024) 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. bioRxiv : the preprint server for biology.

Vattino LG, et al. (2024) Primary auditory thalamus relays directly to cortical layer 1 interneurons. bioRxiv : the preprint server for biology.

Ma J, et al. (2024) Convergent direct and indirect cortical streams shape avoidance decisions in mice via the midline thalamus. Nature communications, 15(1), 6598.

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

L'Esperance OJ, et al. (2023) Functional connectivity favors hyperactivity leading to synapse loss in amyloidosis. bioRxiv : the preprint server for biology.

Majumder S, et al. (2023) Cell-type-specific plasticity shapes neocortical dynamics for motor learning. bioRxiv : the preprint server for biology.

Winter CC, et al. (2023) A transcriptomic taxonomy of mouse brain-wide spinal projecting neurons. Nature, 624(7991), 403.

Choi K, et al. (2023) Distributed processing for value-based choice by prelimbic circuits targeting anterior-posterior dorsal striatal subregions in male mice. Nature communications, 14(1), 1920.

Niraula S, et al. (2023) Excitation-inhibition imbalance disrupts visual familiarity in amyloid and non-pathology conditions. Cell reports, 42(1), 111946.

Inagaki HK, et al. (2022) A midbrain-thalamus-cortex circuit reorganizes cortical dynamics to initiate movement. Cell, 185(6), 1065.