

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

SHARCQ

RRID:SCR_022498

Type: Tool

Proper Citation

SHARCQ (RRID:SCR_022498)

Resource Information

URL: <https://github.com/wildrootlab/SHARCQ>

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Description: Software tools to register histological section images and cell count locations to mouse brain atlas. Semi automated workflow and GUI for automated brain slice histology alignment, registration, and cell quantification. Used to explore Allen Mouse Brain Atlas, register asymmetric slice images to atlas using manual input, and analyze region of interest data by registering locations of fluorescently labeled cells to standardized regions of Atlas.

Synonyms: Slice Histology Alignment, and Cell Quantification, Registration

Resource Type: software toolkit, software resource

Defining Citation: [PMID:35396257](#)

Keywords: OpenBehavior, atlas registration, brain mapping, cell-type, slicing, histology, cell quantification, automated, brain atlas, mice

Availability: Free, Available for download, Freely available

Resource Name: SHARCQ

Resource ID: SCR_022498

Alternate URLs: <https://edspace.american.edu/openbehavior/project/sharcq/>

Record Creation Time: 20220617T050142+0000

Record Last Update: 20260803T040835+0000

Ratings and Alerts

No rating or validation information has been found for SHARCQ.

No alerts have been found for SHARCQ.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

He Q, et al. (2024) Early synaptic dysfunction of striatal parvalbumin interneurons in a mouse model of Parkinson's disease. iScience, 27(11), 111253.

Pr Vost ED, et al. (2023) Monosynaptic inputs to ventral tegmental area glutamate and GABA co-transmitting neurons. bioRxiv : the preprint server for biology.