Resource Summary Report

Generated by <u>dkNET</u> on Apr 30, 2025

AutoStereota

RRID:SCR_022330 Type: Tool

Proper Citation

AutoStereota (RRID:SCR_022330)

Resource Information

URL: https://edspace.american.edu/openbehavior/project/autostereota/

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Description: Automated surgical instrument for brain tissue aspiration.Instrument for microendoscope implantation. Utilizes robotic control of needle connected to vacuum pump to aspirate brain tissue. System consists of robotic surgical instrument built around commercially available stereotaxic instrument and open source MATLAB-based GUI for control.

Resource Type: data or information resource, instrument resource, portal, project portal

Defining Citation: DOI:10.1016/j.jneumeth.2018.10.013

Keywords: OpenBehavior, Instrument, brain tissue aspiration, microendoscope implantation

Funding:

Availability: Free, Freely available

Resource Name: AutoStereota

Resource ID: SCR_022330

Alternate URLs: https://github.com/liang-bo/AutoStereota

Record Creation Time: 20220602T050139+0000

Record Last Update: 20250430T060302+0000

Ratings and Alerts

No rating or validation information has been found for AutoStereota.

No alerts have been found for AutoStereota.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Barbera G, et al. (2024) Imaging distinct neuronal populations with a dual channel miniscope. Frontiers in neuroscience, 18, 1445020.