

Resource Summary Report

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MRI Compatible and Customizable Microdrive Design for Neuroscience Research

RRID:SCR_019247

Type: Tool

Proper Citation

MRI Compatible and Customizable Microdrive Design for Neuroscience Research
(RRID:SCR_019247)

Resource Information

URL: <https://osf.io/tnpmk/>

Proper Citation: MRI Compatible and Customizable Microdrive Design for Neuroscience Research (RRID:SCR_019247)

Description: Open source designs for customizable, MRI compatible microdrive capable of positioning probes including stimulating electrodes, recording electrodes, drug cannulae, or optogenetic fibers within brain. Design integrates cranial implant, penetration grid for guiding probes, and microdrive body assembly with actuators. Used by neuroscience community related to electrical microstimulation, neuronal recording, and local drug delivery.

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

Defining Citation: [DOI:10.1523/ENEURO.0495-20.2021](https://doi.org/10.1523/ENEURO.0495-20.2021)

Keywords: CAD files, microdrive, MRI compatible microdrive, customizable microdrive, 3D printable microdrive, neuroscience research

Availability: Free, Freely available

Resource Name: MRI Compatible and Customizable Microdrive Design for Neuroscience Research

Resource ID: SCR_019247

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260814T043037+0000

Ratings and Alerts

No rating or validation information has been found for MRI Compatible and Customizable Microdrive Design for Neuroscience Research.

No alerts have been found for MRI Compatible and Customizable Microdrive Design for Neuroscience Research.

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 [RRID](#) .

Baeg E, et al. (2021) MRI Compatible, Customizable, and 3D-Printable Microdrive for Neuroscience Research. eNeuro, 8(2).