

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

Cerebro Wireless Optogenetic System project

RRID:SCR_021474

Type: Tool

Proper Citation

Cerebro Wireless Optogenetic System project (RRID:SCR_021474)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/cerebro/>

Proper Citation: Cerebro Wireless Optogenetic System project (RRID:SCR_021474)

Description: Project related to wireless controlled optogenetic stimulation. Provides system for wireless optogenetic stimulation developed in Karpova Lab with ability to be customized. Features Cerebro, rechargeable, battery powered wireless receiver; head implant containing optical fibers and two independent laser diodes; base station for transmitting radio signals to Cerebro, controlled by Windows computer via USB or by TTL; charging dock; and Xavier, user friendly GUI for sending and logging base station commands.

Synonyms: Cerebro Wireless Optogenetic System

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

Keywords: Wireless optogenetic stimulation, Janelia open source hardware, Janelia open source software, Cerebro battery powered wireless receiver, head implant, Xavier, OpenBehavior, Instrument

Availability: Free, Freely available

Resource Name: Cerebro Wireless Optogenetic System project

Resource ID: SCR_021474

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260808T190242+0000

Ratings and Alerts

No rating or validation information has been found for Cerebro Wireless Optogenetic System project.

No alerts have been found for Cerebro Wireless Optogenetic System project.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.