## **Resource Summary Report**

Generated by <u>dkNET</u> on May 11, 2025

# **CerebraLux**

RRID:SCR\_021570 Type: Tool

**Proper Citation** 

CerebraLux (RRID:SCR\_021570)

#### **Resource Information**

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

Proper Citation: CerebraLux (RRID:SCR\_021570)

**Description:** Portal provides low cost, open source, wireless probe for optogenetic stimulation. This wireless system for optogenetic stimulation was developed by UCLA scientists. Device consists of two parts. Optical component is mounted on head permanently, whereas electronic component is removable and is applied for each experiment. Device is controlled via custom GUI (built with the TkInter Python 2.7 library) which sends pulses to device via Arduino Uno.

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

Defining Citation: DOI:10.1117/1.nph.4.4.045001

Keywords: Instrument, optogenetic stimulation, wireless system, OpenBehavior

Funding:

Availability: Free, Freely available

Resource Name: CerebraLux

Resource ID: SCR\_021570

**Record Creation Time:** 20220129T080356+0000

Record Last Update: 20250509T060345+0000

**Ratings and Alerts** 

No rating or validation information has been found for CerebraLux.

No alerts have been found for CerebraLux.

## Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We have not found any literature mentions for this resource.