

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## CerebraLux

RRID:SCR\_021570

Type: Tool

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### Proper Citation

CerebraLux (RRID:SCR\_021570)

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### 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](https://doi.org/10.1117/1.nph.4.4.045001)

**Keywords:** Instrument, optogenetic stimulation, wireless system, OpenBehavior

**Availability:** Free, Freely available

**Resource Name:** CerebraLux

**Resource ID:** SCR\_021570

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

**Record Last Update:** 20260905T132942+0000

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### Ratings and Alerts

No rating or validation information has been found for CerebraLux.

No alerts have been found for CerebraLux.

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### Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.