

Resource Summary Report

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LFP Monitoring

RRID:SCR_024428

Type: Tool

Proper Citation

LFP Monitoring (RRID:SCR_024428)

Resource Information

URL: <https://github.com/EwellNeuroLab?tab=repositories>

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Description: Low cost platform for multianimal chronic Local Field Potential video monitoring with Graphical User Interface for seizure detection and behavioral scoring. Enables chronic monitoring of several animals simultaneously, synchronizes bilateral local field potential and video streams in real time, and parses recorded data into manageable file sizes. Hardware solution leverages Intan and Open Ephys acquisition systems and software solution is implemented in Bonsai. Data are synchronized and parsed in Bonsai, allowing for flexibility and scalability of up to 128 channels per animal. The use of Intan adapter board for LFP video recordings allows compatibility with large variety of recording devices. Custom made electrodes and cables were components for the chronic LFP recordings. Used as acquisition system for long term video neurophysiology recordings.

Synonyms: Local Field Potential video Monitoring

Resource Type: source code, software resource, instrument resource

Defining Citation: [PMID:36192155](#)

Keywords: OpenBehavior, acquisition system, long term video neurophysiology recordings, seizure detection, behavioral scoring, multianimal chronic Local Field Potential, video monitoring, LFP video recording, Graphical User Interface for seizure detection and behavioral scoring, Intan adapter board, Open Ephys acquisition system, Bonsai, custom made electrodes and cables, instrument, device,

Availability: Free, Available for download, Freely available

Resource Name: LFP Monitoring

Resource ID: SCR_024428

Alternate URLs: <https://edspace.american.edu/openbehavior/project/lfpmonitoring/>

Record Creation Time: 20230915T050226+0000

Record Last Update: 20260821T043122+0000

Ratings and Alerts

No rating or validation information has been found for LFP Monitoring.

No alerts have been found for LFP Monitoring.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.