

Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

ToneBox

RRID:SCR_021548

Type: Tool

Proper Citation

ToneBox (RRID:SCR_021548)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/tonebox-system-automated-auditory-operant-conditioning/>

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Description: Project related to auditory behavioral task data collection. Provided high throughput operant conditioning in mouse homecage system was developed by University of Maryland, College Park, scientists. Automated system for training up to hundreds of mice in auditory behavioral task features custom Matlab GUI running on desktop which connects to Raspberry Pi to administer auditory stimuli from USB soundcard and collects auditory data as well as licking data from water spout with commercially available capacitive sensors. Parts list and build instructions are readily available from paper and associated GitHub repository.

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

Defining Citation: [DOI:10.1523/eneuro.0121-19.2019](https://doi.org/10.1523/eneuro.0121-19.2019)

Keywords: Instrument, auditory behavioral task, automated system, training mice, auditory behavioral task, OpenBehavior

Availability: Free, Freely available

Resource Name: ToneBox

Resource ID: SCR_021548

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260903T235738+0000

Ratings and Alerts

No rating or validation information has been found for ToneBox.

No alerts have been found for ToneBox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.