

# Resource Summary Report

Generated by T1D on Aug 1, 2026

## ToneBox

RRID:SCR\_021548

Type: Tool

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### Proper Citation

ToneBox (RRID:SCR\_021548)

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### Resource Information

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

**Proper Citation:** ToneBox (RRID:SCR\_021548)

**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:** project portal, data or information resource, portal, instrument resource

**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:** 20260801T042854+0000

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### Ratings and Alerts

No rating or validation information has been found for ToneBox.

No alerts have been found for ToneBox.

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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.