# **Resource Summary Report**

Generated by <u>NIF</u> on May 12, 2025

# **Rodent Arena Tracker project**

RRID:SCR\_021408 Type: Tool

### **Proper Citation**

Rodent Arena Tracker project (RRID:SCR\_021408)

### **Resource Information**

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

Proper Citation: Rodent Arena Tracker project (RRID:SCR\_021408)

**Description:** Project related to rodent tracking and task control.Provides closed loop system for machine vision rodent tracking and task control created by scientist from Washington University. System to track and report mouse activity while they are contained in simple arena. System uses OpenMV M7 microcontroller to acquire images of arena and process them in real-time to report mouse centroid data to text file. Wireless position tracker for automatically tracking mice in high contrast arenas.

Abbreviations: RAT

Synonyms: Rodent Arena Tracker

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

Defining Citation: DOI:10.1523/eneuro.0485-19.2020

**Keywords:** Wireless position tracker, automatically tracking mice, positional behavior data, OpenMV M7 microcontroller, acquire arena images, mouse movement, OpenMV Cam M7 hardware, OpenBehavior, instrument, equipment, USEDit, Instrument

#### Funding:

Availability: Free, Freely available

Resource Name: Rodent Arena Tracker project

Resource ID: SCR\_021408

Record Creation Time: 20220129T080355+0000

Record Last Update: 20250509T060335+0000

# **Ratings and Alerts**

No rating or validation information has been found for Rodent Arena Tracker project.

No alerts have been found for Rodent Arena Tracker project.

### Data and Source Information

Source: <u>SciCrunch Registry</u>

# **Usage and Citation Metrics**

We have not found any literature mentions for this resource.