

Resource Summary Report

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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/>

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

Defining Citation: [DOI:10.1523/eneuro.0485-19.2020](https://doi.org/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

Availability: Free, Freely available

Resource Name: Rodent Arena Tracker project

Resource ID: SCR_021408

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260729T044519+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: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.