# **Resource Summary Report**

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# Microwave based Homecage Motion Detector project

RRID:SCR\_021590 Type: Tool

#### **Proper Citation**

Microwave based Homecage Motion Detector project (RRID:SCR\_021590)

#### **Resource Information**

URL: <u>https://edspace.american.edu/openbehavior/project/microwave-based-homecage-</u>motion-detector/

Proper Citation: Microwave based Homecage Motion Detector project (RRID:SCR\_021590)

**Description:** Portal provides radar based motion detector for home cage activity monitoring in mice. System is used for motion detection without visual contact to animal and can be used with various cage types. Features custom printed circuit board and motion detector shield for Arduino, which saves raw activity and timestamped data in CSV files onto SD card.Developed by Max Planck Institute of Psychiatry scientists. Authors also provide Python script for data analysis and generation of actograms.

Synonyms: Microwave based Homecage Motion Detector

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

Defining Citation: DOI:10.1186/s13036-017-0079-y

Keywords: Instrument, Homecage Motion Detector, OpenBehavior

Funding:

Availability: Free, Freely available

Resource Name: Microwave based Homecage Motion Detector project

Resource ID: SCR\_021590

**Record Creation Time:** 20220129T080356+0000

## **Ratings and Alerts**

No rating or validation information has been found for Microwave based Homecage Motion Detector project.

No alerts have been found for Microwave based Homecage Motion Detector project.

## Data and Source Information

Source: SciCrunch Registry

# **Usage and Citation Metrics**

We have not found any literature mentions for this resource.