

# Resource Summary Report

Generated by [dkNET](#) on Aug 8, 2026

## Mouse Action Recognition System

RRID:SCR\_022347

Type: Tool

---

### Proper Citation

Mouse Action Recognition System (RRID:SCR\_022347)

---

### Resource Information

**URL:** <https://edspace.american.edu/openbehavior/project/neuroethology-tools/>

**Proper Citation:** Mouse Action Recognition System (RRID:SCR\_022347)

**Description:** Software Python pipeline for automated detection, pose estimation, and behavior classification in socially interacting mice.Used for pose estimation and behavior quantification in pairs of freely behaving mice.

**Abbreviations:** MARS

**Resource Type:** software resource, software application, data analysis software, data processing software

**Defining Citation:** [DOI:10.7554/eLife.63720](https://doi.org/10.7554/eLife.63720)

**Keywords:** OpenBehavior, behavior measurement, video analysis, real time recording and analysis, pose estimation and behavior quantification, freely behaving mice

**Availability:** Free, Available for download, Freely available

**Resource Name:** Mouse Action Recognition System

**Resource ID:** SCR\_022347

**Alternate URLs:** <https://github.com/neuroethology/MARS>

**Record Creation Time:** 20220602T050140+0000

**Record Last Update:** 20260808T190245+0000

---

### Ratings and Alerts

No rating or validation information has been found for Mouse Action Recognition System.

No alerts have been found for Mouse Action Recognition System.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 8 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Boileau M, et al. (2026) Innovative photodynamic therapy using rose bengal for the treatment of human melanoma. *Molecular therapy. Oncology*, 34(2), 201241.

Nixon-Abell J, et al. (2025) ANXA11 biomolecular condensates facilitate protein-lipid phase coupling on lysosomal membranes. *Nature communications*, 16(1), 2814.

Veres-Székely A, et al. (2025) Improvement in Transient Agarose Spot (TAS) Cell Migration Assay: Microplate-Based Detection and Evaluation. *International journal of molecular sciences*, 26(12).

Hendrix H, et al. (2024) PilZ regulates type IV pili assembly in *Pseudomonas aeruginosa* via PilZ binding. *Nature communications*, 15(1), 8717.

Elez Garofuli? I, et al. (2024) Green Approach to Enhance the Recovery of Polyphenols from Blackcurrant and Bilberry Leaves: Evaluation of Microwave-Assisted and Pressurized Liquid Extraction. *Molecules (Basel, Switzerland)*, 29(6).

Newman H, et al. (2021) High-Throughput Crystallography Reveals Boron-Containing Inhibitors of a Penicillin-Binding Protein with Di- and Tricovale nt Binding Modes. *Journal of medicinal chemistry*, 64(15), 11379.

Dobrin?i? A, et al. (2021) Microwave Assisted Extraction and Pressurized Liquid Extraction of Sulfated Polysaccharides from *Fucus virsoides* and *Cystoseira barbata*. *Foods (Basel, Switzerland)*, 10(7).

Elez Garofuli? I, et al. (2021) Phenolic Profile, Antioxidant Capacity and Antimicrobial Activity of Nettle Leaves Extracts Obtained by Advanced Extraction Techniques. *Molecules (Basel, Switzerland)*, 26(20).