Resource Summary Report

Generated by SPARC SAWG on Jul 29, 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 application, software resource, data analysis software, data processing software

Defining Citation: DOI: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: 20260729T044534+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 7 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

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) PlzR 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 Tricovalent Binding Modes. Journal of medicinal chemistry, 64(15), 11379.

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).

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).