

Resource Summary Report

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Markerless Mouse Tracking for Social Experiments

RRID:SCR_025368

Type: Tool

Proper Citation

Markerless Mouse Tracking for Social Experiments (RRID:SCR_025368)

Resource Information

URL: <https://github.com/MaSoMoTr/MaSoMoTr>

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Description: Markerless video-based tool to simultaneously track two interacting mice of the same appearance in controlled settings for quantifying behaviors such as different types of sniffing, touching, and locomotion to improve tracking accuracy under these settings without increased human effort. It incorporates conventional handcrafted tracking and deep-learning-based techniques. The tool is trained on small number of manually annotated images from basic experimental setup and outputs body masks and coordinates of the snout and tail-base for each mouse.

Abbreviations: MaSoMoTr

Resource Type: source code, software resource

Defining Citation: [DOI:10.1523/ENEURO.0154-22.2023](https://doi.org/10.1523/ENEURO.0154-22.2023)

Keywords: OpenBehavior, simultaneously track two interacting mice, controlled settings for quantifying behaviors, sniffing, touching, locomotion,

Availability: Free, Available for download, Freely available

Resource Name: Markerless Mouse Tracking for Social Experiments

Resource ID: SCR_025368

Alternate URLs: <https://edspace.american.edu/openbehavior/project/masomotr/>

License: GNU GPL v3

Record Creation Time: 20240524T053223+0000

Record Last Update: 20260801T191321+0000

Ratings and Alerts

No rating or validation information has been found for Markerless Mouse Tracking for Social Experiments.

No alerts have been found for Markerless Mouse Tracking for Social Experiments.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.