Resource Summary Report

Generated by dkNET on Apr 22, 2025

Simple Behavior Analysis

RRID:SCR_021413
Type: Tool

Proper Citation

Simple Behavior Analysis (RRID:SCR_021413)

Resource Information

URL: https://github.com/sgoldenlab/simba

Proper Citation: Simple Behavior Analysis (RRID:SCR_021413)

Description: Open source software toolkit for computer classification of complex social behaviors in experimental animals.

Synonyms: SimBA

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

Defining Citation: DOI:10.1101/2020.04.19.049452

Keywords: Complex social behaviors classifications, supervised behavioral classifiers development, score behaviors across different background settings, OpenBehavior

Funding:

Availability: Free, Available for download, Freely Available

Resource Name: Simple Behavior Analysis

Resource ID: SCR_021413

Alternate URLs: https://edspace.american.edu/openbehavior/project/simba/

License: MIT License

Record Creation Time: 20220129T080355+0000

Record Last Update: 20250422T060201+0000

Ratings and Alerts

No rating or validation information has been found for Simple Behavior Analysis.

No alerts have been found for Simple Behavior Analysis.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Cyrano E, et al. (2025) Assessing the effects of 5-HT2A and 5-HT5A receptor antagonists on DOI-induced head-twitch response in male rats using marker-less deep learning algorithms. Pharmacological reports : PR, 77(1), 135.

Zahran MA, et al. (2024) Deep learning-based scoring method of the three-chamber social behaviour test in a mouse model of alcohol intoxication. A comparative analysis of DeepLabCut, commercial automatic tracking and manual scoring. Heliyon, 10(17), e36352.

Chesters RA, et al. (2024) Fasting-induced activity changes in MC3R neurons of the paraventricular nucleus of the thalamus. Life science alliance, 7(10).

Popik P, et al. (2023) Effects of ketamine on rat social behavior as analyzed by DeepLabCut and SimBA deep learning algorithms. Frontiers in pharmacology, 14, 1329424.

Newton KC, et al. (2023) Lateral line ablation by ototoxic compounds results in distinct rheotaxis profiles in larval zebrafish. Communications biology, 6(1), 84.

Terstege DJ, et al. (2023) Protocol for the integration of fiber photometry and social behavior in rodent models. STAR protocols, 4(4), 102689.

Lapp HE, et al. (2023) Automated maternal behavior during early life in rodents (AMBER) pipeline. Scientific reports, 13(1), 18277.

Baleisyte A, et al. (2022) Stimulation of medial amygdala GABA neurons with kinetically different channelrhodopsins yields opposite behavioral outcomes. Cell reports, 39(8), 110850.

Gorssen W, et al. (2022) Estimating genetics of body dimensions and activity levels in pigs

using automated pose estimation. Scientific reports, 12(1), 15384.

Winters C, et al. (2022) Automated procedure to assess pup retrieval in laboratory mice. Scientific reports, 12(1), 1663.