Resource Summary Report

Generated by nidm-terms on Sep 23, 2026

Social LEAP

RRID:SCR_021382
Type: Tool

Proper Citation

Social LEAP (RRID:SCR_021382)

Resource Information

URL: https://github.com/murthylab/sleap

Proper Citation: Social LEAP (RRID:SCR_021382)

Description: Method for pose estimation that uses deep neural networks.Open source software tool as deep learning based framework for estimating positions of animal body parts.Supports multi animal pose estimation and tracking, and includes advanced labeling or training.SLEAP is next generation of LEAP and allows for tracking multiple animals.

Abbreviations: SLEAP

Synonyms: Social LEAP Estimates Animal Pose

Resource Type: software resource

Defining Citation: DOI:10.1101/2020.08.31.276246

Keywords: Estimating positions, animal body parts, multi animal pose estimation, multi animal pose tracking, Princeton University, OpenBehavior

Funding: NSF GRFP ;
DGE 1148900;Princeton Porter Ogden Jacobus Fellowship;NIMH R00 MH109674;NIGMS DP2 GM137424;NSF ;
DEB 1754476;R01 NS104899;NSF ;
PHY 1734030;

Availability: Free, Available for download, Freely Available

Resource Name: Social LEAP

Resource ID: SCR_021382

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

License: BSD License

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260919T195452+0000

Ratings and Alerts

No rating or validation information has been found for Social LEAP.

No alerts have been found for Social LEAP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Li X, et al. (2026) Sequencing of distinct wing behaviors during Drosophila courtship. Current biology : CB, 36(5), 1291.

Piantadosi PT, et al. (2026) Risk reshapes amygdala representation of choice. Neuron.

Sun Y, et al. (2026) Experience-dependent modulation of prosocial touch in mice. iScience, 29(3), 115102.

Li X, et al. (2025) Sequencing of distinct wing behaviors during Drosophila courtship. bioRxiv : the preprint server for biology.

Gutierrez-Castellanos N, et al. (2024) A hypothalamic node for the cyclical control of female sexual rejection. Neuron.

Laeverenz-Schlogelhofer H, et al. (2024) Bioelectric control of locomotor gaits in the walking ciliate Euplotes. Current biology : CB, 34(4), 697.

Wang ZY, et al. (2022) Isolation disrupts social interactions and destabilizes brain development in bumblebees. Current biology : CB, 32(12), 2754.

Pereira TD, et al. (2022) SLEAP: A deep learning system for multi-animal pose tracking. Nature methods, 19(4), 486.

Delevich K, et al. (2022) Activation, but not inhibition, of the indirect pathway disrupts choice rejection in a freely moving, multiple-choice foraging task. Cell reports, 40(4), 111129.