

Resource Summary Report

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Worm Lab

RRID:SCR_017669

Type: Tool

Proper Citation

Worm Lab (RRID:SCR_017669)

Resource Information

URL: <https://www.mbfbioscience.com/wormlab>

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Description: Software tool for imaging, tracking, and analyzing C. elegans and other nematodes. It has user friendly software interface with patented model specific tracking algorithm that collects data about single worm or multiple worms, even through omega bends, coiling, reversals, and entanglements. Provides quantitative analysis of locomotory behavior with user configurable metrics for crawling and swimming assays.

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

Keywords: MBF Bioscience, imaging, tracking, analysis, C.elegans, nematode, collect, data, worm, omega, bend, coiling, reversal, entanglement, locomotry, behavior, crawling, swimming, assay

Availability: Restricted

Resource Name: Worm Lab

Resource ID: SCR_017669

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260731T043012+0000

Ratings and Alerts

No rating or validation information has been found for Worm Lab.

No alerts have been found for Worm Lab.

Data and Source Information

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Haley JA, et al. (2025) Accept-reject decision-making revealed via a quantitative and ethological study of *C. elegans* foraging. *eLife*, 13.

Haley JA, et al. (2025) Accept-reject decision-making revealed via a quantitative and ethological study of *C. elegans* foraging. *bioRxiv* : the preprint server for biology.

Zhang L, et al. (2022) The endophilin curvature-sensitive motif requires electrostatic guidance to recycle synaptic vesicles in vivo. *Developmental cell*, 57(6), 750.

Pechuk V, et al. (2022) Reprogramming the topology of the nociceptive circuit in *C. elegans* reshapes sexual behavior. *Current biology* : CB, 32(20), 4372.

Qian KY, et al. (2021) Male pheromones modulate synaptic transmission at the *C. elegans* neuromuscular junction in a sexually dimorphic manner. *eLife*, 10.

Salzberg Y, et al. (2020) Synaptic Protein Degradation Controls Sexually Dimorphic Circuits through Regulation of DCC/UNC-40. *Current biology* : CB, 30(21), 4128.

Goya ME, et al. (2020) Probiotic *Bacillus subtilis* Protects against α -Synuclein Aggregation in *C. elegans*. *Cell reports*, 30(2), 367.

LaBella ML, et al. (2020) Casein Kinase 1 γ Stabilizes Mature Axons by Inhibiting Transcription Termination of Ankyrin. *Developmental cell*, 52(1), 88.