## **Resource Summary Report**

Generated by NIF on May 24, 2025

# Track-A-Worm

RRID:SCR\_018299

Type: Tool

## **Proper Citation**

Track-A-Worm (RRID:SCR\_018299)

#### **Resource Information**

URL: https://health.uconn.edu/worm-lab/track-a-worm/

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**Description:** Open source system for quantitative assessment of C. Elegans locomotory and bending behavior. Used for quantitative behavioral analyses to understand circuit and gene bases of behavior. Constantly records and analyzes position and body shape of freely moving worm at high magnification.

**Synonyms:** Tracker-A-Worm version 1.0, Tracker-A-Worm version 2.0

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

**Defining Citation: PMID:23922769** 

**Keywords:** Quantitative assessment, C.Elegans locomotory, bending behavior, behavioral analysis, gene, moving worm position, body shape, automated recording

Funding: NIGMS R01 GM083049;

NIMH R01 MH085927

Availability: Free, Available for download, Freely available

Resource Name: Track-A-Worm

Resource ID: SCR\_018299

**Record Creation Time:** 20220129T080339+0000

**Record Last Update:** 20250524T060826+0000

### **Ratings and Alerts**

No rating or validation information has been found for Track-A-Worm.

No alerts have been found for Track-A-Worm.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 3 mentions in open access literature.

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

Vedantham K, et al. (2024) Track-A-Worm 2.0: A Software Suite for Quantifying Properties of C. elegans Locomotion, Bending, Sleep, and Action Potentials. bioRxiv: the preprint server for biology.

Zhan X, et al. (2023) Locomotion modulates olfactory learning through proprioception in C. elegans. Nature communications, 14(1), 4534.

Niu LG, et al. (2020) Slo2 potassium channel function depends on RNA editing-regulated expression of a SCYL1 protein. eLife, 9.