

Resource Summary Report

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TriKinetics: Drosophila Activity Monitoring System

RRID:SCR_021798

Type: Tool

Proper Citation

TriKinetics: Drosophila Activity Monitoring System (RRID:SCR_021798)

Resource Information

URL: <https://www.trikinetics.com/>

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Description: System from TriKinetics for monitoring Drosophila activity. Includes hardware and DAMSystem3 Software for data acquisition and DAMFileScan Software for scanning data for errors. Applied to behavioral activity experiments, including sleep deprivation analyses and general studies of hypoactivity and hyperactivity.

Synonyms: Drosophila Activity Monitoring System, DAM, DAM System, Drosophila Activity Monitor

Resource Type: instrument resource

Defining Citation: [DOI:10.1101/pdb.prot5518](https://doi.org/10.1101/pdb.prot5518)

Keywords: monitoring Drosophila activity, behavioral activity experiment, behavioral activity, activity monitoring

Availability: Restricted

Resource Name: TriKinetics: Drosophila Activity Monitoring System

Resource ID: SCR_021798

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260801T190724+0000

Ratings and Alerts

No rating or validation information has been found for TriKinetics: Drosophila Activity Monitoring System.

No alerts have been found for TriKinetics: Drosophila Activity Monitoring System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Hemmi C, et al. (2026) Neuropeptidergic circuit modulation of developmental sleep in *Drosophila*. *eLife*, 14.

Shen S, et al. (2026) Chlorophyll Supplementation Delays Aging in *Drosophila melanogaster* via Enhanced Stress Resistance and Detoxification Network Remodeling. *Nutrients*, 18(9).

Czajewski I, et al. (2024) Rescuable sleep and synaptogenesis phenotypes in a *Drosophila* model of O-GlcNAc transferase intellectual disability. *eLife*, 13.

Yan W, et al. (2024) Microplastic exposure disturbs sleep structure, reduces lifespan, and decreases ovary size in *Drosophila melanogaster*. *Zoological research*, 45(4), 805.

Uy G, et al. (2024) The Effects of poly-GA and poly-PR C9orf72 Dipeptide Repeats on Sleep Patterns in *Drosophila melanogaster*. *microPublication biology*, 2024.

Yan W, et al. (2023) Subtype-Specific Roles of Ellipsoid Body Ring Neurons in Sleep Regulation in *Drosophila*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(5), 764.

Terzidou AM, et al. (2023) Artificial diet alters activity and rest patterns in the olive fruit fly. *PloS one*, 18(2), e0274586.

Iyengar AS, et al. (2023) A Subset of Circadian Neurons Expressing dTRPA1 Enables Appropriate Phasing of Activity Rhythms in *Drosophila melanogaster* Under Warm Temperatures. *Journal of biological rhythms*, 38(4), 341.

Murari A, et al. (2023) Phospholipids can regulate complex I assembly independent of their role in maintaining mitochondrial membrane integrity. *Cell reports*, 42(8), 112846.

Chaturvedi R, et al. (2022) Astrocytic GABA transporter controls sleep by modulating GABAergic signaling in *Drosophila* circadian neurons. *Current biology : CB*, 32(9), 1895.

Iyengar AS, et al. (2022) Under warm ambient conditions, *Drosophila melanogaster* suppresses nighttime activity via the neuropeptide pigment dispersing factor. *Genes, brain, and behavior*, 21(4), e12802.

Ko T, et al. (2022) Biogenic action of *Lactobacillus plantarum* SBT2227 promotes sleep in *Drosophila melanogaster*. *iScience*, 25(7), 104626.

Wang QP, et al. (2020) PGC1 α Controls Sucrose Taste Sensitization in *Drosophila*. *Cell reports*, 31(1), 107480.