

Resource Summary Report

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DAMSystems308

RRID:SCR_016191

Type: Tool

Proper Citation

DAMSystems308 (RRID:SCR_016191)

Resource Information

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

Proper Citation: DAMSystems308 (RRID:SCR_016191)

Description: Data acquisition software for TriKinetics activity monitors. TriKinetics systems quantify animal movement over time, and can be used to measure behaviors such as circadian rhythm, sleep, longevity, social interaction, geotaxis, phototaxis, learning, and drug response in various species.

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

Keywords: movement, research, behavior, measurement, acquisition, software

Availability: Free, Available for download

Resource Name: DAMSystems308

Resource ID: SCR_016191

Alternate URLs:

<https://www.trikinetics.com/Downloads/DAMSystem%20Notes%20308.pdf>

Record Creation Time: 20220129T080329+0000

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Ratings and Alerts

No rating or validation information has been found for DAMSystems308.

No alerts have been found for DAMSystems308.

Data and Source Information

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Webster CP, et al. (2025) RuvBL1/2 reduce toxic dipeptide repeat protein burden in multiple models of C9orf72-ALS/FTD. *Life science alliance*, 8(2).

Jones JD, et al. (2025) The dorsal fan-shaped body is a neurochemically heterogeneous sleep-regulating center in *Drosophila*. *PLoS biology*, 23(3), e3003014.

Putilov AA, et al. (2025) Bimodal Patterns of Locomotor Activity and Sleep in *Drosophila*: A Model for Their Simulation. *Nature and science of sleep*, 17, 115.

Zakharenko LP, et al. (2025) Weekday-Weekend Shifts of Light/Dark Regimen Extend Sleep and Lifespan of *Drosophila melanogaster*. *Nature and science of sleep*, 17, 3193.

Zakharenko LP, et al. (2024) Two Old Wild-Type Strains of *Drosophila melanogaster* Can Serve as an Animal Model of Faster and Slower Aging Processes. *Insects*, 15(5).

Samardžija B, et al. (2024) Transgenic *Drosophila melanogaster* Carrying a Human Full-Length DISC1 Construct (UAS-hfIDISC1) Showing Effects on Social Interaction Networks. *Current issues in molecular biology*, 46(8), 8526.

Li F, et al. (2023) Modulation of sleep by trafficking of lipids through the *Drosophila* blood-brain barrier. *eLife*, 12.

Zakharenko LP, et al. (2023) Motus Vita Est: Fruit Flies Need to Be More Active and Sleep Less to Adapt to Either a Longer or Harder Life. *Clocks & sleep*, 5(1), 98.

Jones JD, et al. (2023) Regulation of sleep by cholinergic neurons located outside the central brain in *Drosophila*. *PLoS biology*, 21(3), e3002012.

Tasman K, et al. (2021) Using radio frequency identification and locomotor activity monitoring to assess sleep, locomotor, and foraging rhythmicity in bumblebees. *STAR protocols*, 2(2), 100598.

Jin X, et al. (2021) Protocol for *Drosophila* sleep deprivation using single-chip board. *STAR protocols*, 2(4), 100827.

Luo Y, et al. (2021) Yeast volatiles double starvation survival in *Drosophila*. *Science advances*, 7(20).

Klose MK, et al. (2021) Sleep drive reconfigures wake-promoting clock circuitry to regulate adaptive behavior. *PLoS biology*, 19(6), e3001324.

Kostadinov B, et al. (2021) Open-source computational framework for studying *Drosophila* behavioral phase. *STAR protocols*, 2(1), 100285.

Kaldun JC, et al. (2021) Dopamine, sleep, and neuronal excitability modulate amyloid- β -mediated forgetting in *Drosophila*. *PLoS biology*, 19(10), e3001412.

Bedont JL, et al. (2021) Short and long sleeping mutants reveal links between sleep and macroautophagy. *eLife*, 10.

Mollá-Albaladejo R, et al. (2021) Behavior Individuality: A Focus on *Drosophila melanogaster*. *Frontiers in physiology*, 12, 719038.

Zakharenko LP, et al. (2021) Association between the Effects of High Temperature on Fertility and Sleep in Female Intra-Specific Hybrids of *Drosophila melanogaster*. *Insects*, 12(4).

Odnokoz O, et al. (2021) Mitochondrial Redox Signaling Is Critical to the Normal Functioning of the Neuronal System. *Frontiers in cell and developmental biology*, 9, 613036.

Blum ID, et al. (2021) Astroglial Calcium Signaling Encodes Sleep Need in *Drosophila*. *Current biology : CB*, 31(1), 150.