

# Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

## Model Organisms for Biomedical Research

RRID:SCR\_007282

Type: Tool

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### Proper Citation

Model Organisms for Biomedical Research (RRID:SCR\_007282)

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### Resource Information

**URL:** <http://www.nih.gov/science/models/>

**Proper Citation:** Model Organisms for Biomedical Research (RRID:SCR\_007282)

**Description:** Information about national and international activities and major resources that are being developed to facilitate biomedical research using animal models  
Mammalian Models: \* Mouse \* Rat Non-Mammalian Models \* S. cerevisiae (budding yeast) \* S.pombe (Fission Yeast) \* Neurospora (filamentous fungus) \* D. discoideum (social amoebae) \* C. elegans (round worm) \* Daphnia \* D. melanogaster (fruit fly) \* D. rerio (zebrafish) \* Xenopus (frog) \* Gallus (chicken) Other Model Organisms: \* Arabidopsis

**Abbreviations:** Model Organisms for Biomedical Research

**Synonyms:** NIH Model Organisms for Biomedical Research, NIH Model Organisms

**Resource Type:** data or information resource, portal, topical portal

**Keywords:** mammal, model organism, mouse, rat, saccharomyces cerevisiae, saccharomyces pombe, neurospora, dictyostelium discoideum, caenorhabditis elegans, daphnia, drosophila melanogaster, zebrafish, xenopus, gallus, arabidopsis, organism supplier

**Resource Name:** Model Organisms for Biomedical Research

**Resource ID:** SCR\_007282

**Alternate IDs:** nif-0000-00062

**Record Creation Time:** 20220129T080240+0000

**Record Last Update:** 20260903T234913+0000

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### Ratings and Alerts

No rating or validation information has been found for Model Organisms for Biomedical Research.

No alerts have been found for Model Organisms for Biomedical Research.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 13 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Ravegnini G, et al. (2026) Identification of MBT3T as a new effective therapeutic option in imatinib-resistant gastrointestinal stromal tumors (GISTs). *Journal of experimental & clinical cancer research* : CR, 45(1).

Bianco E, et al. (2025) Stm1 regulates Ifh1 activity revealing crosstalk between ribosome biogenesis and ribosome dormancy. *Molecular cell*, 85(9), 1806.

Fernando S, et al. (2020) Cytotoxicity and Mitochondrial Dysregulation Caused by ??-Synuclein in Dictyostelium discoideum. *Cells*, 9(10).

Koller B, et al. (2016) Dictyostelium discoideum as a Novel Host System to Study the Interaction between Phagocytes and Yeasts. *Frontiers in microbiology*, 7, 1665.

Schumpert CA, et al. (2015) Development of an efficient RNA interference method by feeding for the microcrustacean Daphnia. *BMC biotechnology*, 15, 91.

Tang B, et al. (2015) Web resources for model organism studies. *Genomics, proteomics & bioinformatics*, 13(1), 64.

Hurley JH, et al. (2015) A Tool Set for the Genome-Wide Analysis of Neurospora crassa by RT-PCR. *G3 (Bethesda, Md.)*, 5(10), 2043.

Stout RF, et al. (2014) Caenorhabditis elegans glia modulate neuronal activity and behavior. *Frontiers in cellular neuroscience*, 8, 67.

Dong C, et al. (2013) Effects of midazolam, pentobarbital and ketamine on the mRNA expression of ion channels in a model organism Daphnia pulex. *BMC anesthesiology*, 13(1), 32.

Zeng V, et al. (2011) De novo assembly and characterization of a maternal and developmental transcriptome for the emerging model crustacean Parhyale hawaiiensis. *BMC genomics*, 12, 581.

Wilson RJ, et al. (2008) FlyBase: integration and improvements to query tools. *Nucleic acids research*, 36(Database issue), D588.

Mohtasham L, et al. (2004) Advances in viral respiratory infections: new experimental models. Drug discovery today. Disease models, 1(3), 303.

Sharpe JF, et al. (2001) Digital toxicology education tools: education, training, case studies, and tutorials. Toxicology, 157(1-2), 141.