Resource Summary Report

Generated by RRID on May 13, 2025

Model Organisms for Biomedical Research

RRID:SCR_007282
Type: Tool

Proper Citation

Model Organisms for Biomedical Research (RRID:SCR_007282)

Resource Information

URL: http://www.nih.gov/science/models/

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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: topical portal, portal, data or information resource

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

Funding:

Resource Name: Model Organisms for Biomedical Research

Resource ID: SCR_007282

Alternate IDs: nif-0000-00062

Record Creation Time: 20220129T080240+0000

Record Last Update: 20250513T060908+0000

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.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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 hawaiensis. 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.