Resource Summary Report

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Mutant Mouse Resource and Research Center

RRID:SCR_002953
Type: Tool

Proper Citation

Mutant Mouse Resource and Research Center (RRID:SCR_002953)

Resource Information

URL: http://www.mmrrc.org/

Proper Citation: Mutant Mouse Resource and Research Center (RRID:SCR_002953)

Description: National public repository system for mutant mice. Archives and distributes scientifically valuable spontaneous and induced mutant mouse strains and ES cell lines for use by biomedical research community. Includes breeding/distribution facilities and information coordinating center. Mice strains are cryopreserved, unless live colony must be established. Live mice are supplied from production colony, from colony recovered from cryopreservation, or via micro-injection of cell line into host blastocysts. MMRRC member facilities also develop technologies to improve handling of mutant mice, including advances in assisted reproductive techniques, cryobiology, genetic analysis, phenotyping and infectious disease diagnostics.

Abbreviations: MMRRC

Synonyms: Mutant Mouse Regional Resource Center

Resource Type: biomaterial supply resource, organism supplier, material resource

Keywords: RIN, Resource Information Network, stem cell, mouse strain, embryonic stem cell, embryonic stem cell line, cryopreserved, mutant mouse strain, mutant, transgenic, database, FASEB list, RRID Community Authority

Funding: NIH Office of the Director U42 OD012210;
NIH Office of the Director U42 OD010918;
NIH Office of the Director U42 OD010924;
NIH Office of the Director U42 OD010921;
NCRR RR026296;
NIH Blueprint for Neuroscience Research

Availability: Restricted

Resource Name: Mutant Mouse Resource and Research Center

Resource ID: SCR_002953

Alternate IDs: nif-0000-00045

License: Resource specific license

License URLs: https://www.mmrrc.org/catalog/mtaInstructions.php, https://www.mmrrc.org/cou/cou_details.php?cou=MMRRC-COU

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260801T190222+0000

Ratings and Alerts

No rating or validation information has been found for Mutant Mouse Resource and Research Center.

No alerts have been found for Mutant Mouse Resource and Research Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1025 mentions in open access literature.

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

McAdams Z, et al. (2026) Biological and technical variability in mouse microbiota analysis and implications for sample size determination. Lab animal, 55(1), 29.

Cheng Z, et al. (2025) Rasd2 regulates depression-like behaviors via DRD2 neurons in the prelimbic cortex afferent to nucleus accumbens core circuit. Molecular psychiatry, 30(2), 435.

Komorowska JA, et al. (2025) Ndrg3 is a critical regulator of peripheral T cell maturation and homeostasis. Science advances, 11(11), eads5143.

Yun S, et al. (2025) Cellular-Resolution and Bulk-Fluorescence Recordings of Calcium Activity Yield Reciprocal Readouts of In Vivo Drug Efficacy. Synapse (New York, N.Y.), 79(2), e70011.

Piekniewska A, et al. (2025) Do organisms need an impact factor? Citations of key biological resources including model organisms reveal usage patterns and impact. PloS one, 20(8), e0327344.

Yabaji SM, et al. (2025) Lipid peroxidation and type I interferon coupling fuels pathogenic macrophage activation causing tuberculosis susceptibility. eLife, 14.

Lata S, et al. (2025) Protocol for 3D multiplexed fluorescent imaging of pulmonary TB lesions using Opal-TSA dyes for signal amplification. STAR protocols, 6(1), 103640.

Rodríguez-Rodríguez A, et al. (2025) Hypothalamic Median Eminence Thyrotropin-Releasing Hormone-Degrading Ectoenzyme Activity Is Dispensable for Basal Thyroid Axis Activity in Lean Rodents. Cells, 14(10).

King A, et al. (2025) Shieldin and CST co-orchestrate DNA polymerase-dependent tailed-end joining reactions independently of 53BP1-governed repair pathway choice. Nature structural & molecular biology, 32(1), 86.

Doykos TK, et al. (2025) Correlates of head-fixed orienting movements in mouse superior colliculus and substantia nigra pars reticulata. bioRxiv : the preprint server for biology.

Ono F, et al. (2025) Carbohydrate sulfotransferase 14 gene deletion induces dermatan sulfate deficiency and affects collagen structure and bowel contraction. PloS one, 20(5), e0320943.

Knuth MM, et al. (2025) Timing of standard chow exposure determines the variability of mouse phenotypic outcomes and gut microbiota profile. Lab animal, 54(1), 24.

Helwa-Shalom O, et al. (2025) Amelogenin Null Mice Develop Osteoarthritis, While Its Application Mitigates Disease Phenotypes in a Rat Model. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(14), e70838.

Kumar M, et al. (2025) AGO2 slicing of a domesticated retrotransposon is necessary for normal vasculature development. bioRxiv : the preprint server for biology.

Chen ZJ, et al. (2025) Klotho null mutation leads to retinal degeneration characterized by functional impairment, gliosis, and deposition of amyloid-beta and hyperphosphorylated tau proteins. PloS one, 20(5), e0323633.

Swaby LG, et al. (2025) Sex-dependent influence of LMAN1 on allergen-induced airway hyperresponsiveness. Journal of immunology (Baltimore, Md. : 1950).

Lei Y, et al. (2025) Neuronal HDAC9: A key regulator of cognitive and synaptic aging, rescuing Alzheimer's disease-related phenotypes. bioRxiv : the preprint server for biology.

Wang W, et al. (2025) A midbrain-to-ventral-striatum dopaminergic pathway orchestrates odor-guided insect predation in mice. Proceedings of the National Academy of Sciences of the United States of America, 122(41), e2514847122.

Gustafson KL, et al. (2025) Fetal programming by the parental microbiome of offspring behavior, and DNA methylation and gene expression within the hippocampus. Microbiome, 13(1), 254.

Gargiullo R, et al. (2025) An open-source system for recording the auditory brainstem response (ABR) and an example application in mice with hearing loss. bioRxiv : the preprint server for biology.