

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, material resource, organism supplier

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

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NIH Office of the Director U42 OD010924;
NIH Office of the Director U42 OD012210

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/mtalInstructions.php>,
https://www.mmrrc.org/cou/cou_details.php?cou=MMRRC-COU

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260821T193651+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 1079 mentions in open access literature.

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

Streckfuss-Bömeke K, et al. (2026) Models of the human heart for biomedical research: Opportunities and challenges. Physiological reports, 14(7), e70845.

Takahashi Y, et al. (2026) Comprehensive analysis of the skeletal phenotype in Chst14^{-/-} mice: implications for dermatan sulfate in bone structure and strength. Glycobiology, 36(7).

Gilmour C, et al. (2026) T cell-intrinsic VISTA expression promotes resistance to CTLA-4 blockade by restricting CD8⁺ T cell responses. The Journal of clinical investigation, 136(6).

Dou C, et al. (2026) Estradiol regulates osteoclast sialylation via ST3Gal1 in postmenopausal osteoporosis. Bone research, 14(1), 22.

Sirohi K, et al. (2026) CBX7 functions as a methylation-dependent inducer of gene transcription and regulator of cytosolic signaling in lymphoid cells. Science advances, 12(7), eadj4926.

- Moberg S, et al. (2026) Distinct roles of cortical layer 5 subtypes in associative learning. *Nature communications*, 17(1).
- Hayashi S, et al. (2026) Presynaptic SNAP25 supports maturation of hippocampal mossy fiber-CA3 synapses. *iScience*, 29(7), 116503.
- Tognoni CM, et al. (2026) Protection of multiple aspects of Alzheimer's disease pathology using dietary supplementation with taurine. *Scientific reports*, 16(1), 2919.
- Gao XD, et al. (2026) In vivo base editing rescues liver pathophysiology and peroxisome dysfunction in a mouse model of Zellweger spectrum disorder. *Nature biomedical engineering*.
- Yu J, et al. (2026) The role of amygdala GABA neurons in controlling stress and reproduction in female mice. *Nature communications*, 17(1).
- Yamaguchi A, et al. (2026) PD-1 genetic fate mapping uncovers immune cell diversity mediating the efficacy of combined PD-1 blockade and chemotherapy. *Oncoimmunology*, 15(1), 2639723.
- Aldahhan RA, et al. (2026) Reversibility of Spermatogonial Stem Cell Injury After Single Acute Scrotal Hyperthermia in Mouse and Rat Models: A Systematic Review. *Reproductive medicine and biology*, 25(1), e70055.
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- Liu X, et al. (2026) Genetic Strategies for Labeling AT2 Cells in Murine Lung via Abca3 and Etv5-Driven Reporters. *Journal of respiratory biology and translational medicine*, 3(1).
- Paldi F, et al. (2026) Transient histone deacetylase inhibition induces cellular memory of gene expression and 3D genome folding. *Nature genetics*, 58(2), 404.
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- Lei Y, et al. (2026) Neuronal HDAC9: A key regulator of cognitive and synaptic aging, rescuing Alzheimer's disease-related phenotypes. *Molecular psychiatry*, 31(8), 4699.
- Liu J, et al. (2026) ASF1B promotes erythropoiesis by regulating the establishment and enrichment of H3.3 nucleosomes. *Nucleic acids research*, 54(9).
- Mier IF, et al. (2026) An X-to-autosome-to-Y chromosome amplified retrogene family functions in spermatids. *Current biology : CB*, 36(11), 2930.