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: organism supplier, biomaterial supply resource, 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

Funding: NIH Office of the Director U42 OD012210;
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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: 20250507T060108+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 967 mentions in open access literature.

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

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.

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.

Blanchard MW, et al. (2024) The updated mouse universal genotyping array bioinformatic pipeline improves genetic QC in laboratory mice. G3 (Bethesda, Md.), 14(10).

Yun CC, et al. (2024) Lysophosphatidic Acid Signaling in the Gastrointestinal System.

Cellular and molecular gastroenterology and hepatology, 18(6), 101398.

Agca Y, et al. (2024) The mutant mouse resource and research center (MMRRC) consortium: the US-based public mouse repository system. Mammalian genome : official journal of the International Mammalian Genome Society, 35(4), 524.

Zhang K, et al. (2024) VISTA promotes the metabolism and differentiation of myeloid-derived suppressor cells by STAT3 and polyamine-dependent mechanisms. Cell reports, 43(1), 113661.

Liu H, et al. (2024) Establishment and characterization of an hACE2/hTMPRSS2 knock-in mouse model to study SARS-CoV-2. Frontiers in immunology, 15, 1428711.

Shah FA, et al. (2024) Lung Epithelium Releases Growth Differentiation Factor 15 in Response to Pathogen-mediated Injury. American journal of respiratory cell and molecular biology, 70(5), 379.

Menon DU, et al. (2024) ARID1A governs the silencing of sex-linked transcription during male meiosis in the mouse. eLife, 12.

Wilmot JH, et al. (2024) Abnormal c-Fos expression in TetTag mice containing fos-EGFP. Frontiers in behavioral neuroscience, 18, 1500794.

Acarón Ledesma H, et al. (2024) Dendritic mGluR2 and perisomatic Kv3 signaling regulate dendritic computation of mouse starburst amacrine cells. Nature communications, 15(1), 1819.

Santamaria S, et al. (2024) Web-Based Resources to Investigate Protease Function. Methods in molecular biology (Clifton, N.J.), 2747, 1.

Kalani L, et al. (2024) Testing the PEST hypothesis using relevant Rett mutations in MeCP2 E1 and E2 isoforms. Human molecular genetics, 33(21), 1833.

Britz J, et al. (2024) Sex-Dependent Effects of Chronic Circadian Disruption in A?PP/PS1 Mice. Journal of Alzheimer's disease : JAD, 97(2), 855.

Wei D, et al. (2024) PGE2 Potentiates Orai1-Mediated Calcium Entry Contributing to Peripheral Sensitization. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(1).

Vidovi? D, et al. (2024) Best practices for managing and disseminating resources and outreach and evaluating the impact of the IDG Consortium. Drug discovery today, 29(5), 103953.

Teboul L, et al. (2024) Improving laboratory animal genetic reporting: LAG-R guidelines. Nature communications, 15(1), 5574.

Gustafson KL, et al. (2024) Effect size of delayed freezing, diurnal variation, and hindgut location on the mouse fecal microbiome. iScience, 27(3), 109090.

Mehlmann LM, et al. (2024) Generation and Characterization of a TRIM21 Overexpressing Mouse Line. Genesis (New York, N.Y. : 2000), 62(5), e23616.

Rokad D, et al. (2024) Manganese Exposure Enhances the Release of Misfolded ?-Synuclein via Exosomes by Impairing Endosomal Trafficking and Protein Degradation Mechanisms. International journal of molecular sciences, 25(22).