

Resource Summary Report

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Mutant Mouse Resource and Research Center - University of Missouri

RRID:SCR_016447

Type: Tool

Proper Citation

Mutant Mouse Resource and Research Center - University of Missouri
(RRID:SCR_016447)

Resource Information

URL: <http://www.mmrrc.missouri.edu/>

Proper Citation: Mutant Mouse Resource and Research Center - University of Missouri
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Description: Center that supplies mice and conducts research projects focused on the role of mice as animal models. Some of these projects include refinement of models to ensure study reproducibility, as well as development and improvement of economical methods for cryopreservation of mouse strains.

Abbreviations: UM MMRRC, MMRRC UM

Synonyms: Mutant Mouse Resource and Research Center - UM, UM Mutant Mouse Resource and Research Center, University of Missouri MMRRC, MMRRC University of Missouri

Resource Type: biomaterial supply resource, material resource

Keywords: mice, mouse, supply, genetic, transgenic, knockout, research, mutant

Funding: NIH Office of the Director U42 OD010918

Resource Name: Mutant Mouse Resource and Research Center - University of Missouri

Resource ID: SCR_016447

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260821T043013+0000

Ratings and Alerts

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

No alerts have been found for Mutant Mouse Resource and Research Center - University of Missouri.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

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.

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

Amos-Landgraf J, et al. (2022) The Mutant Mouse Resource and Research Center (MMRRC): the NIH-supported National Public Repository and Distribution Archive of Mutant Mouse Models in the USA. Mammalian genome : official journal of the International Mammalian Genome Society, 33(1), 203.

Gerb SA, et al. (2021) The Effects of Ketamine on the Gut Microbiome on CD1 Mice. Comparative medicine, 71(4), 295.

Thurman CE, et al. (2021) Effect of Housing Condition and Diet on the Gut Microbiota of Weanling Immunocompromised Mice. Comparative medicine, 71(6), 485.

Caramello A, et al. (2021) Dentate gyrus development requires a cortical hem-derived astrocytic scaffold. eLife, 10.

Singh P, et al. (2021) Squamous cell carcinoma subverts adjacent histologically normal epithelium to promote lateral invasion. The Journal of experimental medicine, 218(6).

Ericsson AC, et al. (2021) The gut microbiome of laboratory mice: considerations and best practices for translational research. Mammalian genome : official journal of the International Mammalian Genome Society, 32(4), 239.

Zhang C, et al. (2021) Consideration of Gut Microbiome in Murine Models of Diseases. Microorganisms, 9(5).

Ericsson AC, et al. (2021) Supplier-origin mouse microbiomes significantly influence locomotor and anxiety-related behavior, body morphology, and metabolism. Communications biology, 4(1), 716.

Agca Y, et al. (2021) Cryopreservation and Transplantation of Laboratory Rodent Ovarian Tissue for Genome Banking and Biomedical Research. *Methods in molecular biology* (Clifton, N.J.), 2180, 469.

Agca Y, et al. (2021) Cryopreservation of Mouse Sperm for Genome Banking. *Methods in molecular biology* (Clifton, N.J.), 2180, 401.

Norton CE, et al. (2021) Role of perivascular nerve and sensory neurotransmitter dysfunction in inflammatory bowel disease. *American journal of physiology. Heart and circulatory physiology*, 320(5), H1887.

Zhang C, et al. (2021) Characterization of the Eukaryotic Virome of Mice from Different Sources. *Microorganisms*, 9(10).

Wolfe AE, et al. (2020) Interactions of Segmented Filamentous Bacteria (*Candidatus* *Savagella*) and bacterial drivers in colitis-associated colorectal cancer development. *PloS one*, 15(7), e0236595.

Franklin CL, et al. (2020) Complex Microbiota in Laboratory Rodents: Management Considerations. *ILAR journal*, 60(2), 289.

Sigmon JS, et al. (2020) Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. *Genetics*, 216(4), 905.

Korte SW, et al. (2020) Acute and long-term effects of antibiotics commonly used in laboratory animal medicine on the fecal microbiota. *Veterinary research*, 51(1), 116.

Wuri L, et al. (2020) Morphometric, subcellular, in vitro fertilisation and embryonic developmental assessment of mouse oocytes produced by anti-inhibin serum or pregnant mare serum gonadotrophin superovulation. *Reproduction, fertility, and development*, 32(5), 474.

Badran M, et al. (2020) Fecal microbiota transplantation from mice exposed to chronic intermittent hypoxia elicits sleep disturbances in naïve mice. *Experimental neurology*, 334, 113439.