

# Resource Summary Report

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## University of California at Davis Mutant Mouse Resource and Research Center

RRID:SCR\_016448

Type: Tool

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### Proper Citation

University of California at Davis Mutant Mouse Resource and Research Center  
(RRID:SCR\_016448)

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### Resource Information

**URL:** <http://mmrrc.ucdavis.edu/>

**Proper Citation:** University of California at Davis Mutant Mouse Resource and Research Center (RRID:SCR\_016448)

**Description:** Center that imports, archives, maintains, and distributes mutant mouse alleles as live mice, frozen germplasm, stem cells, and molecular vectors for use in biomedical research. The MMRRC Davis receives transgenics, knockouts, and other kinds of mutant mouse lines at no cost to the donor, and after re-derivation and cryopreservation, distributes breeding stock, germplasm, cells, or tissues of genetically-defined and pathogen-free mice for a small fee to requesting investigators.

**Abbreviations:** MMRRC UCD, UCD MMRRC

**Synonyms:** Mutant Mouse Resource and Research Center UC Davis, Davis MMRRC, UCD Mutant Mouse Resource and Research Center, UC Davis MMRRC, UC Davis Mutant Mouse Resource and Research Center, Mutant Mouse Resource and Research Center - UCD, Mutant Mouse Resource and Research Center - University of California at Davis, California MMRRC

**Resource Type:** biomaterial supply resource, material resource

**Keywords:** ABRF, USEDit, mouse, mice, research, genetic, mutant, mutation, transgenic, knockout, research, animal, behavior

**Funding:** NIH Office of the Director U42 OD010983;  
NIH Office of the Director U42 OD012210

**Resource Name:** University of California at Davis Mutant Mouse Resource and Research Center

**Resource ID:** SCR\_016448

**Alternate IDs:** ABRF\_1650

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1650&citation=1>

**Record Creation Time:** 20220129T080330+0000

**Record Last Update:** 20260912T200254+0000

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## Ratings and Alerts

No rating or validation information has been found for University of California at Davis Mutant Mouse Resource and Research Center.

No alerts have been found for University of California at Davis Mutant Mouse Resource and Research Center.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 189 mentions in open access literature.

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

Butovich IA, et al. (2025) Lipid composition determines thermotropic properties of meibum of animals and humans with Meibomian gland disorders. bioRxiv : the preprint server for biology.

Butovich IA, et al. (2025) Lipid Composition and Thermotropic Properties of Meibum of Animal Models and Humans with Meibomian Gland Dysfunction. International journal of molecular sciences, 26(23).

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.

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.

Su-Feher L, et al. (2022) Single cell enhancer activity distinguishes GABAergic and cholinergic lineages in embryonic mouse basal ganglia. Proceedings of the National Academy of Sciences of the United States of America, 119(15), e2108760119.

Melo US, et al. (2021) Biallelic UBE4A loss-of-function variants cause intellectual disability and global developmental delay. *Genetics in medicine : official journal of the American College of Medical Genetics*, 23(4), 661.

Li J, et al. (2021) Macrophage-Regulatory T Cell Interactions Promote Type 2 Immune Homeostasis Through Resistin-Like Molecule ?. *Frontiers in immunology*, 12, 710406.

Kolev HM, et al. (2021) A FoxL1-CreERT-2A-tdTomato Mouse Labels Subepithelial Telocytes. *Cellular and molecular gastroenterology and hepatology*, 12(3), 1155.

Toriumi K, et al. (2021) Combined glyoxalase 1 dysfunction and vitamin B6 deficiency in a schizophrenia model system causes mitochondrial dysfunction in the prefrontal cortex. *Redox biology*, 45, 102057.

Ghosh MC, et al. (2021) Therapeutic inhibition of HIF-2 $\alpha$  reverses polycythemia and pulmonary hypertension in murine models of human diseases. *Blood*, 137(18), 2509.

Beggs MR, et al. (2021) Claudin-2 and claudin-12 form independent, complementary pores required to maintain calcium homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 118(48).

Sharma S, et al. (2021) Epithelial Ablation of Miro1/Rhot1 GTPase Augments Lung Inflammation by Cigarette Smoke. *Pathophysiology : the official journal of the International Society for Pathophysiology*, 28(4), 501.

Blake JA, et al. (2021) Mouse Genome Database (MGD): Knowledgebase for mouse-human comparative biology. *Nucleic acids research*, 49(D1), D981.

Lindquist KA, et al. (2021) Identification of Trigeminal Sensory Neuronal Types Innervating Masseter Muscle. *eNeuro*, 8(5).

Na H, et al. (2021) Oral Amylin Treatment Reduces the Pathological Cascade of Alzheimer's Disease in a Mouse Model. *American journal of Alzheimer's disease and other dementias*, 36, 15333175211012867.

Hymel LA, et al. (2021) Modulating local S1P receptor signaling as a regenerative immunotherapy after volumetric muscle loss injury. *Journal of biomedical materials research. Part A*, 109(5), 695.

Yasuda S, et al. (2021) Loss of sphingosine 1-phosphate receptor 3 gene function impairs injury-induced stromal angiogenesis in mouse cornea. *Laboratory investigation; a journal of technical methods and pathology*, 101(2), 245.

Gleeson D, et al. (2021) High-throughput genotyping of high-homology mutant mouse strains by next-generation sequencing. *Methods (San Diego, Calif.)*, 191, 78.

Ikawa F, et al. (2021) Detailed neuronal distribution of GPR3 and its co-expression with EF-hand calcium-binding proteins in the mouse central nervous system. *Brain research*, 1750, 147166.

Warsi S, et al. (2021) BMP signaling is required for postnatal murine hematopoietic stem cell self-renewal. *Haematologica*, 106(8), 2203.