Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

National Mouse Metabolic Phenotyping Centers

RRID:SCR_008997
Type: Tool

Proper Citation

National Mouse Metabolic Phenotyping Centers (RRID:SCR_008997)

Resource Information

URL: http://www.mmpc.org

Proper Citation: National Mouse Metabolic Phenotyping Centers (RRID:SCR_008997)

Description: Center mission is to advance medical and biological research by providing the scientific community with standardized, high quality metabolic and physiologic phenotyping services for mouse models of diabetes, diabetic complications, obesity and related disorders.

Abbreviations: MMPC, NIDDKMMPC

Synonyms: Mouse Metabolic Phenotyping Centers

Resource Type: data or information resource, database, service resource

Keywords: phenotype, phenotyping, metabolism, cardiovascular, gastrointestinal, endocrine, energy, analytic, blood composition, in vivo, hormone, energy balance, eating, exercise, organ function, morphology, physiology, histology, experimental protocol, assay, strain, measurement, animal husbandry, FASEB list

Related Condition: Diabetes, Obesity, Diabetic complication, Metabolic disease, Cardiovascular disease, Nephropathy, Neuropathy, Retinopathy

Funding: NIDDK U24 DK076174;
NIDDK U24 DK092993;
NIDDK U24 DK059630;
NIDDK U24 DK093000;
NIDDK U24 DK059637;
NIDDK U24 DK059635

Availability: Freely available,

Resource Name: National Mouse Metabolic Phenotyping Centers

Resource ID: SCR_008997

Alternate IDs: SCR_015358, nlx_152633

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260731T042803+0000

Ratings and Alerts

No rating or validation information has been found for National Mouse Metabolic Phenotyping Centers .

No alerts have been found for National Mouse Metabolic Phenotyping Centers .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 714 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Shahmohammadi A, et al. (2025) Enhanced Anti-Leukemic Activity of Platinum Lamivudine Compared To Lamivudine Through Differential Gene Regulation and DNA Groove Binding. Cell biochemistry and biophysics.

Strober JW, et al. (2025) Elevation of hepatic de novo lipogenesis in mice with overnutrition is dependent on multiple substrates. Journal of lipid research, 66(7), 100838.

Caiazzo S, et al. (2025) Ubiquitous expression of an activating mutation in the Pik3ca gene reprograms glucose and lipid metabolism in mice. PloS one, 20(5), e0322544.

Ahmad M, et al. (2025) Metabolic consequences of altered kidney glucose reabsorption under normoglycemic conditions. Molecular metabolism, 98, 102192.

Silva CM, et al. (2025) Celebrating the Past, Present, and Future of NIDDK-Supported Research Centers Focused on Diabetes, Endocrinology, and Metabolic Diseases. Diabetes, 74(7), 1099.

Alharithi YJ, et al. (2025) Metabolomic and transcriptomic remodeling of bone marrow myeloid cells in response to maternal obesity. American journal of physiology. Endocrinology and metabolism, 328(2), E254.

Philips EA, et al. (2025) Maternal obesity programs cardiac remodeling in offspring via epigenetic, metabolic, and immune dysregulations. bioRxiv : the preprint server for biology.

Laughlin M, et al. (2024) The mouse metabolic phenotyping center (MMPC) live consortium: an NIH resource for in vivo characterization of mouse models of diabetes and obesity. Mammalian genome : official journal of the International Mammalian Genome Society, 35(4), 485.

Winn NC, et al. (2024) Insulin at the intersection of thermoregulation and glucose homeostasis. Molecular metabolism, 81, 101901.

Chhabra KH, et al. (2024) ADGRL1 is a glucose receptor involved in mediating energy and glucose homeostasis. Diabetologia, 67(1), 170.

Wang R, et al. (2024) Adipocyte deletion of the oxygen-sensor PHD2 sustains elevated energy expenditure at thermoneutrality. Nature communications, 15(1), 7483.

Baraghithy S, et al. (2024) 5-Methoxy-2-aminoindane Reverses Diet-Induced Obesity and Improves Metabolic Parameters in Mice: A Potential New Class of Antiobesity Therapeutics. ACS pharmacology & translational science, 7(8), 2527.

Phillips EA, et al. (2024) Metabolic abnormalities in the bone marrow cells of young offspring born to mothers with obesity. International journal of obesity (2005), 48(11), 1542.

Besqueut-Rougerie C, et al. (2024) Voluntary exercise fails to prevent metabolic dysfunction-associated steatotic liver disease progression in male rats fed a high-fat high-cholesterol diet. Physiological reports, 12(8), e15993.

Duquenne M, et al. (2024) Tanycytic transcytosis inhibition disrupts energy balance, glucose homeostasis and cognitive function in male mice. Molecular metabolism, 87, 101996.

Alina M, et al. (2024) Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers. Research square.

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.

Stamateris RE, et al. (2023) Noncanonical CDK4 signaling rescues diabetes in a mouse model by promoting ?? cell differentiation. The Journal of clinical investigation, 133(18).

MacIver B, et al. (2023) A Spectrum of Age- and Gender-Dependent Lower Urinary Tract Phenotypes in Three Mouse Models of Type 2 Diabetes. Metabolites, 13(6).

Riede T, et al. (2023) Post-pubertal developmental trajectories of laryngeal shape and size in humans. Scientific reports, 13(1), 7673.