Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 27, 2024

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

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Description: The 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, biomaterial analysis service, material analysis service, service resource, analysis service resource, database, resource, production 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 Agency: NIDDK, NIDDK, NIDDK, NIDDK, NIDDK, NIDDK

Availability: Fee-for-service, Acknowledgement requested, Public

Resource Name: National Mouse Metabolic Phenotyping Centers

Resource ID: SCR_008997

Alternate IDs: SCR_015358, nlx_152633

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 700 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

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

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

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).

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

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).

Phillips E, et al. (2023) Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers. bioRxiv : the preprint server for biology.

Karimkhanloo H, et al. (2023) Mouse strain-dependent variation in metabolic associated fatty liver disease (MAFLD): a comprehensive resource tool for pre-clinical studies. Scientific reports, 13(1), 4711.

Le TDV, et al. (2023) Fibroblast growth factor-21 is required for weight loss induced by the glucagon-like peptide-1 receptor agonist liraglutide in male mice fed high carbohydrate diets. Molecular metabolism, 72, 101718.

Igarashi M, et al. (2023) Intestinal GPR119 activation by microbiota-derived metabolites impacts feeding behavior and energy metabolism. Molecular metabolism, 67, 101649.

Daverio Z, et al. (2023) How Warburg-Associated Lactic Acidosis Rewires Cancer Cell Energy Metabolism to Resist Glucose Deprivation. Cancers, 15(5).

Abdon B, et al. (2023) Muscle-specific ER-associated degradation maintains postnatal muscle hypertrophy and systemic energy metabolism. JCI insight, 8(17).

Winn NC, et al. (2023) Insulin at the Intersection of Thermoregulation and Glucose Homeostasis. bioRxiv : the preprint server for biology.

Jian FX, et al. (2023) Negative regulation of CD44st by miR-138-5p affects the invasive ability of breast cancer cells and patient prognosis after breast cancer surgery. BMC cancer, 23(1), 269.

D'Angelo CV, et al. (2022) Similarities in Calcium Oscillations Between Neonatal Mouse Islets and Mature Islets Exposed to Chronic Hyperglycemia. Endocrinology, 163(7).

Montaniel KRC, et al. (2022) Dipeptidyl peptidase IV inhibition delays developmental programming of obesity and metabolic disease in male offspring of obese mothers. Journal of developmental origins of health and disease, 13(6), 727.

Queiroz AL, et al. (2022) Blocking ActRIIB and restoring appetite reverses cachexia and improves survival in mice with lung cancer. Nature communications, 13(1), 4633.

Nuthikattu S, et al. (2022) High Glycemia and Soluble Epoxide Hydrolase in Females: Differential Multiomics in Murine Brain Microvasculature. International journal of molecular sciences, 23(21).

Hao X, et al. (2022) SNAP25 mutation disrupts metabolic homeostasis, steroid hormone production and central neurobehavior. Biochimica et biophysica acta. Molecular basis of disease, 1868(2), 166304.

Li A, et al. (2022) Novel feature selection methods for construction of accurate epigenetic clocks. PLoS computational biology, 18(8), e1009938.