

Resource Summary Report

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Medical College of Wisconsin Comprehensive Rodent Metabolic Phenotyping Core Facility

RRID:SCR_028283

Type: Tool

Proper Citation

Medical College of Wisconsin Comprehensive Rodent Metabolic Phenotyping Core Facility (RRID:SCR_028283)

Resource Information

URL: https://mcw.ilab.agilent.com/service_center/5692/?tab=about

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Description: Core provides guided access to novel technologies for complete dissection of energy flux in rodents and other small animals. Our expert staff assist in development, testing, and standardization of metabolic technologies and workflows to leverage both mouse and rat models of interest. Facility offers 16-cage multiplexed metabolic phenotyping system (Promethion, Sable Systems International) that provides detailed mechanistic dissection of resting metabolic rate (RMR), physical activity, and ingestive behaviors of rodents in home style cage designs across the light cycle. CRMPC combines RMR assessments with direct/combined calorimetry (total heat dissipation) to enable assessment of anaerobic forms of energy expenditure (gut microbiome). Additional services include body composition analysis (via NMR), bone content and density analysis (via DEXA), metabolic caging, indirect calorimetry, bioimpedance spectroscopy, thermal imaging. Staff provide guidance for experimental design, execution of studies, statistical analysis of resulting data, and regulatory assistance and compliance.

Synonyms: Comprehensive Rodent Metabolic Phenotyping Core (CRMPC) at the Medical College of Wisconsin

Resource Type: access service resource, core facility, service resource

Keywords: ABRF, dissection of metabolic function, rodents, small animals,

Availability: Restricted

Resource Name: Medical College of Wisconsin Comprehensive Rodent Metabolic Phenotyping Core Facility

Resource ID: SCR_028283

Alternate IDs: ABRF_5865

Alternate URLs: https://coremarketplace.org/RRID:SCR_028283/?citation=1

Record Creation Time: 20260410T054257+0000

Record Last Update: 20260905T133609+0000

Ratings and Alerts

No rating or validation information has been found for Medical College of Wisconsin Comprehensive Rodent Metabolic Phenotyping Core Facility.

No alerts have been found for Medical College of Wisconsin Comprehensive Rodent Metabolic Phenotyping Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Ke X, et al. (2026) Maternal low-sodium diet impairs hippocampal neurogenesis and cognition in adult mouse offspring. American journal of physiology. Regulatory, integrative and comparative physiology, 330(5), R463.

Nakagawa P, et al. (2026) Conditional ablation of RGS2 in myeloid cells does not influence blood pressure and organ damage in angiotensin II-induced hypertension in mice. Physiological reports, 14(14), e71023.