

Resource Summary Report

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University of Pennsylvania Perelman School of Medicine Metabolomics Core Facility

RRID:SCR_022381

Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Metabolomics Core Facility
(RRID:SCR_022381)

Resource Information

URL: <https://www.med.upenn.edu/cvi/metabolomics-core.html>

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Description: Core is overseen by Cardiovascular Institute and is partnership with the Abramson Cancer Center and the Institute for Diabetes, Obesity and Metabolism at Penn. Provides expertise in targeted and untargeted metabolomics of biological samples using liquid chromatography/mass spectrometry. Performs assays and assists in interpretation of results.

Synonyms: University of Pennsylvania Perelman School of Medicine Metabolomics Core, Metabolomics Core

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

Keywords: USEDit, ABRF

Availability: open

Resource Name: University of Pennsylvania Perelman School of Medicine Metabolomics Core Facility

Resource ID: SCR_022381

Alternate IDs: ARBF_1392

Alternate URLs: <https://coremarketplace.org?citation=1&FacilityID=1392>

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260819T044531+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine Metabolomics Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Metabolomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Wu Y, et al. (2026) Cariogenic microorganisms induce oral epithelial atypia through host-microbiome-high sugar diet interactions. NPJ biofilms and microbiomes, 12(1).

DiSanza BL, et al. (2026) Bi-allelic variants in BCAT1 impair mitochondrial function and are associated with a candidate neurometabolic disorder. HGG advances, 7(1), 100525.

Cox TO, et al. (2026) Intestinal interoceptive dysfunction drives age-associated cognitive decline. Nature, 652(8109), 442.

Rezaee M, et al. (2026) Reduced Myocardial Serine Synthesis Impairs Functional, Metabolic, and Redox Adaptations to Cardiac Stress. bioRxiv : the preprint server for biology.

Safari M, et al. (2026) Combined HDAC and eIF4A inhibition: A novel epigenetic therapy for pancreatic ductal adenocarcinoma. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 84, 101312.

Menjivar C, et al. (2026) Staphylococcus aureus can degrade exogenous fatty acids through ??-oxidation. mBio, 17(5), e0060926.

Taichman RB, et al. (2026) Load-Dependent Effects of Sodium Glucose Co-Transporter Inhibitors on Work in Human Hypertrophic Cardiomyopathy Living Myocardial Slices. bioRxiv : the preprint server for biology.

Berger JH, et al. (2025) Two-hit mouse model of heart failure with preserved ejection fraction combining diet-induced obesity and renin-mediated hypertension. Scientific reports, 15(1), 422.

Weissenrieder JS, et al. (2025) Mitochondrial Ca²⁺ controls pancreatic cancer growth and metastasis by regulating epithelial cell plasticity. Cell reports, 44(5), 115627.

Chourasia S, et al. (2025) MTCH2 controls energy demand and expenditure to fuel anabolism during adipogenesis. *The EMBO journal*, 44(4), 1007.

Glass BH, et al. (2025) Hypoxia disrupts metabolism in coral and sea anemone larvae. *The Journal of experimental biology*, 228(12).

Denny JE, et al. (2025) Standard mouse diets lead to differences in severity in infectious and non-infectious colitis. *mBio*, 16(4), e0330224.

Sule R, et al. (2025) Comprehensive Multiomic Analysis Reveals Metabolic Reprogramming Underlying Human Fontan-Associated Liver Disease. *Journal of the American Heart Association*, 14(6), e039201.

Papanicolaou KN, et al. (2025) Loss of O-GlcNAcylation in cardiac myocytes triggers the integrated stress response, contributing to heart failure. *The Journal of biological chemistry*, 301(12), 110818.

Naeem F, et al. (2025) Plasma metabolomics identifies signatures that distinguish heart failure with reduced and preserved ejection fraction. *ESC heart failure*, 12(4), 2803.

Aisenberg WH, et al. (2025) Direct microglia replacement reveals pathologic and therapeutic contributions of brain macrophages to a monogenic neurological disease. *Immunity*, 58(5), 1254.

Flores-Mendez M, et al. (2024) IMPDH2 filaments protect from neurodegeneration in AMPD2 deficiency. *EMBO reports*, 25(9), 3990.

Naeem F, et al. (2024) Targeted Quantitative Plasma Metabolomics Identifies Metabolite Signatures that Distinguish Heart Failure with Reduced and Preserved Ejection Fraction. *medRxiv : the preprint server for health sciences*.

Weissenrieder JS, et al. (2024) Mitochondrial Ca²⁺ controls pancreatic cancer growth and metastasis by regulating epithelial cell plasticity. *bioRxiv : the preprint server for biology*.

Markosyan N, et al. (2024) Pivotal roles for cancer cell-intrinsic mPGES-1 and autocrine EP4 signaling in suppressing antitumor immunity. *JCI insight*, 9(21).