Resource Summary Report

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Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility

RRID:SCR_023864
Type: Tool

Proper Citation

Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility (RRID:SCR_023864)

Resource Information

URL: https://www.huck.psu.edu/core-facilities/metabolomics-core-facility

Proper Citation: Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility (RRID:SCR_023864)

Description: Core for conducting metabolomics studies on variety of biofluids and tissue extracts from plant and animal sources. Provided instruments include Agilent 5975C series GC-MSD, Bruker NEO 600 NMR, Thermo Exactive Plus, Thermo Orbitrap Exploris 120, Thermo Orbitrap Exploris 240, Thermo TSQ Quantis Plus, Thermo Orbitrap Fusion Lumos Tribrid.

Synonyms: Huck Institues' Metabolomics Facility, Penn State Huck Metabolomics Core Facility

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

Keywords: ABRF, USEDit, metabolomics, biofluids, tissue extracts, plant, animal

Resource Name: Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility

Resource ID: SCR_023864

Alternate IDs: ABRF_2447

Alternate URLs: https://coremarketplace.org/RRID:SCR_023864?citation=1, https://coremarketplace.org/?FacilityID=2447&citation=1

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Ratings and Alerts

No rating or validation information has been found for Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility.

No alerts have been found for Pennsylvania State University Huck Institutes of Life Sciences Metabolomics Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Morake M, et al. (2026) A Novel Class of Orally Bioavailable Phenylglycine-Benzoxaborole Conjugates with Antimalarial Activity and Potentially Novel Mechanism of Action. ACS medicinal chemistry letters, 17(1), 22.

Rivas JA, et al. (2025) Metabolomic, Lipidomic, and Enterohormone Changes in the Progression from MASLD to MASH. bioRxiv : the preprint server for biology.

Johnson AE, et al. (2025) Sequestration of plant defenses by spotted lanternfly (Lycorma delicatula) and effects on avian predators. Journal of chemical ecology, 51(6), 102.

Tracy KM, et al. (2025) 10 degree C static storage of porcine donation after circulatory death livers improves biliary viability and mitigates ischemia-reperfusion injury. American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons, 25(7), 1417.

Harris JE, et al. (2025) The activity of soil microbial taxa in the rhizosphere predicts the success of root colonization. mSystems, 10(9), e0045825.

Jauregui MJ, et al. (2025) Effects of Hot Air Drying on the Nutritional and Phytochemical Composition of Radish (Raphanus sativus L.) Microgreens. Journal of food science, 90(7), e70426.

Woodland JG, et al. (2025) The ATM Kinase Inhibitor AZD0156 Is a Potent Inhibitor of Plasmodium Phosphatidylinositol 4-Kinase (PI4K??) and Is an Attractive Candidate for Medicinal Chemistry Optimization Against Malaria. Angewandte Chemie (International ed. in English), 64(28), e202425206.

Alberione MP, et al. (2025) Hexosamine biosynthesis disruption impairs GPI production and arrests Plasmodium falciparum growth at schizont stages. PLoS pathogens, 21(7), e1012832.

Abraham EJ, et al. (2025) Bioactive compound identification without fractionation: an Ocimum spp. case study. Metabolomics : Official journal of the Metabolomic Society, 21(6), 166.

Walsh B, et al. (2025) The plasmepsin-piperaquine paradox persists in Plasmodium falciparum. PLoS pathogens, 21(7), e1012779.

Rajaram K, et al. (2025) Multiple, redundant carboxylic acid transporters support mitochondrial metabolism in Plasmodium falciparum. The Journal of biological chemistry, 301(7), 110248.

Okombo J, et al. (2025) Collateral hypersensitivity between ZY19489 and piperaquine neutralizes PfCRT-mediated drug efflux and Plasmodium falciparum resistance. Research square.

Patterson A, et al. (2025) Glucuronidation Metabolomic Fingerprinting to Map Host-Microbe Metabolism. Research square.

DiMattia ZS, et al. (2025) Effect of Varying Quantities of Lean Beef as Part of a Mediterranean-Style Dietary Pattern on Gut Microbiota and Plasma, Fecal, and Urinary Metabolites: A Randomized Crossover Controlled Feeding Trial. Journal of the American Heart Association, 14(19), e041063.

Alsaadi AI, et al. (2025) Tracing NAD+ metabolism uncovers adaptive coordination between host and microbiome during colitis. Research square.

Shao B, et al. (2025) The role of MICOS in modulating mitochondrial dynamics and structural changes in vulnerable regions of Alzheimer's Disease. bioRxiv : the preprint server for biology.

Koo H, et al. (2025) A synthetic gut microbiota provides an understanding of the maintenance and functional impact of phage. mBio, 16(12), e0234125.

Mamede L, et al. (2025) Metabolite profiling of Artemisia afra and Artemisia annua extracts reveals divergent effects on Plasmodium falciparum. Phytomedicine : international journal of phytotherapy and phytopharmacology, 136, 156361.

Anez SG, et al. (2025) Targeted and Untargeted Mass Spectrometry Do Not Detect Grayanane-Type Toxins in Monotropa uniflora L. Journal of natural products.

Myers JW, et al. (2024) Systemic inhibition of de novo purine biosynthesis prevents weight gain and improves metabolic health by increasing thermogenesis and decreasing food intake. bioRxiv : the preprint server for biology.