

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>

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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 Institutes' Metabolomics Facility, Penn State Huck Metabolomics Core Facility

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

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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Record Last Update: 20260821T194244+0000

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 48 mentions in open access literature.

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

Okombo J, et al. (2026) Collateral hypersensitivity between ZY19489 and piperazine neutralizes PfCRT-mediated drug efflux and Plasmodium falciparum resistance. Nature communications, 17(1).

Mamede L, et al. (2026) Natural triterpenic phenolic esters target PfA-M17 in Plasmodium falciparum. Malaria journal, 25(1), 74.

Hinton AO, et al. (2026) Nutrient State, Aging, and Diet Modulate SAM50-Dependent Mitochondrial Remodeling and Systemic Metabolic Signatures. Research square.

Wehkamp L, et al. (2026) A metabolic constraint in de novo NAD⁺ synthesis drives mucosal inflammation in IBD. Journal of Crohn's & colitis, 20(5).

Morgan EW, et al. (2026) Circadian tryptophan metabolism contributes to systemic aryl hydrocarbon receptor activity. iScience, 29(2), 114680.

Vetha BSS, et al. (2026) TACO1 regulates mitochondrial adaptation in hypertension-induced cardiac remodeling and heart failure. Research square.

Katti P, et al. (2026) The MICOS Complex Regulates Mitochondrial Structure and Oxidative Stress During Age-Dependent Structural Deficits in the Kidney. Aging cell, 25(5), e70534.

Towler MJ, et al. (2026) Phytochemical Composition of Clonally Propagated Artemisia annua L. in Different Geographical Locations and Its Commercial Supplement Quality. Molecules (Basel, Switzerland), 31(11).

Morgan EW, et al. (2026) Interkingdom glycine conjugates of indole-3-carboxylates are Ah receptor ligands. bioRxiv : the preprint server for biology.

Bower-Lepts C, et al. (2026) Double Mutations in Plasmodium falciparum Kelch13 drive resistance to next-generation artemisinin derivatives in malaria parasites. bioRxiv : the

preprint server for biology.

Hasani SAM, et al. (2026) The making of a queen: Hormonal regulation of female caste in the social bee *Bombus impatiens*. *Insect biochemistry and molecular biology*, 191, 104558.

Elhalawaty EA, et al. (2026) Effect of Stereochemistry on the Antiplasmodial Activity and Metabolomic Profile of Novel Tadalafil Analogues. *ACS medicinal chemistry letters*, 17(5), 1067.

Eya'ane Meva F, et al. (2026) Metabolomics reveals potentiated metabolic perturbations induced by antimalarial drug combinations against *Plasmodium falciparum* in vitro. *Experimental parasitology*, 288, 109171.

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.

Reilly ER, et al. (2026) Systemic rhythmicity of host and bacterial bile acid amidates in the mouse. *Cell systems*, 17(4), 101541.

Boyle NR, et al. (2026) Glucuronidation metabolomic fingerprinting to map host-microbe metabolism. *Nature communications*, 17(1).

Alsaadi AI, et al. (2026) Tracing NAD⁺ metabolism uncovers adaptive coordination between host and microbiome during colitis. *Cell reports*, 45(8), 117730.

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.

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

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