Resource Summary Report

Generated by NIF on May 18, 2025

University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility

RRID:SCR_021368
Type: Tool

Proper Citation

University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility (RRID:SCR_021368)

Resource Information

URL: https://chem.utk.edu/facilities/biological-and-small-molecule-mass-spectrometry-core-bsmmsc/

Proper Citation: University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility (RRID:SCR_021368)

Description: Mass Spectrometry Core provides metabolomics, lipidomics, and small molecule analyses to researchers both on campus and in our affiliated local and other institutions.

Abbreviations: BSMMSC

Synonyms: UTK Biological and Small Molecule Mass Spectrometry Core

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

Keywords: Metabolomics, Mass Spectrometry, lipidomics, small molecule analyses, ABRF, USEDit

Funding:

Availability: open

Resource Name: University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility

Resource ID: SCR_021368

Alternate IDs: ABRF_687

Alternate URLs: https://coremarketplace.org/?FacilityID=687

Record Creation Time: 20220129T080355+0000

Record Last Update: 20250517T060435+0000

Ratings and Alerts

No rating or validation information has been found for University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility.

No alerts have been found for University of Tennessee Knoxville Biological and Small Molecule Mass Spectrometry Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Palfrey HA, et al. (2024) Adverse cardiac events of hypercholesterolemia are enhanced by sitagliptin in sprague dawley rats. Nutrition & metabolism, 21(1), 54.

Zaparte A, et al. (2024) Effects of E-Cigarettes on the Lung and Systemic Metabolome in People with HIV. Metabolites, 14(8).

Ammar S, et al. (2024) Metabolic Profile of Histomonas meleagridis in Dwyer's Media with and Without Rice Starch. Metabolites, 14(12).

Marrella M, et al. (2024) Higher abundance of 2-dehydro-d-gluconate in the plasma of sub-fertile or infertile Bos taurus heifers. Journal of animal science, 102.

Wang H, et al. (2024) A small molecule macrophage migration inhibitory factor agonist ameliorates age-related myocardial intolerance to ischemia-reperfusion insults via metabolic regulation. Metabolism: clinical and experimental, 153, 155792.

Ramser A, et al. (2023) Bone Metabolite Profile Differs between Normal and Femur Head Necrosis (FHN/BCO)-Affected Broilers: Implications for Dysregulated Metabolic Cascades in

FHN Pathophysiology. Metabolites, 13(5).

Linden MA, et al. (2023) Pharmacological inhibition of lipolysis prevents adverse metabolic outcomes during glucocorticoid administration. Molecular metabolism, 74, 101751.

Matheny PB, et al. (2023) A phylogeny for North American Mallocybe (Inocybaceae) and taxonomic revision of eastern North American taxa. Fungal systematics and evolution, 12, 153.

Mullis MM, et al. (2023) Microbial survival mechanisms within serpentinizing Mariana forearc sediments. FEMS microbiology ecology, 99(2).

Spires DR, et al. (2023) Renal histaminergic system and acute effects of histamine receptor 2 blockade on renal damage in the Dahl salt-sensitive rat. American journal of physiology. Renal physiology, 325(1), F105.

Carrell AA, et al. (2023) Interactions with microbial consortia have variable effects in organic carbon and production of exometabolites among genotypes of Populus trichocarpa. Plant direct, 7(11), e544.

Hessock EA, et al. (2023) Metabolite abundance in bovine preovulatory follicular fluid is influenced by follicle developmental progression post estrous onset in cattle. Frontiers in cell and developmental biology, 11, 1156060.

Read CC, et al. (2022) Preovulatory serum estradiol concentration is positively associated with oocyte ATP and follicular fluid metabolite abundance in lactating beef cattle. Journal of animal science, 100(7).

Byerley LO, et al. (2022) Gut Microbiome and Metabolome Variations in Self-Identified Muscle Builders Who Report Using Protein Supplements. Nutrients, 14(3).

Xie Y, et al. (2022) Pseudomonas sp. Strain 273 Incorporates Organofluorine into the Lipid Bilayer during Growth with Fluorinated Alkanes. Environmental science & technology, 56(12), 8155.

Bow AJ, et al. (2022) Temporal metabolic profiling of bone healing in a caprine tibia segmental defect model. Frontiers in veterinary science, 9, 1023650.

Jones KA, et al. (2022) Cross-Omics Analysis of Fenugreek Supplementation Reveals Beneficial Effects Are Caused by Gut Microbiome Changes Not Mammalian Host Physiology. International journal of molecular sciences, 23(7).

Boolani A, et al. (2022) Trait Energy and Fatigue May Be Connected to Gut Bacteria among Young Physically Active Adults: An Exploratory Study. Nutrients, 14(3).

May AL, et al. (2022) Metabolome patterns identify active dechlorination in bioaugmentation consortium SDC-9™. Frontiers in microbiology, 13, 981994.

Pound HL, et al. (2022) Changes in Microbiome Activity and Sporadic Viral Infection Help Explain Observed Variability in Microcosm Studies. Frontiers in microbiology, 13, 809989.