Resource Summary Report

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University of Tennessee Knoxville Biological Mass Spectrometry Core Facility

RRID:SCR_021368
Type: Tool

Proper Citation

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

Resource Information

URL: https://research.utk.edu/research-facilities/core-facilities/bmsc/

Proper Citation: University of Tennessee Knoxville Biological 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: BMSC

Synonyms: , UTK Biological Mass Spectrometry Core, University of Tennessee Knoxville Biological Mass Spectrometry Core BMSC

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

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

Availability: Open

Resource Name: University of Tennessee Knoxville Biological 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: 20260905T133421+0000

Ratings and Alerts

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

No alerts have been found for University of Tennessee Knoxville Biological Mass Spectrometry 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 PRECISE-TBI .

Roberts SR, et al. (2026) Association Between Sperm Metabolites and Field Fertility in Angus Bulls. Metabolites, 16(5).

Zhou H, et al. (2026) Myocardial metabolic remodeling in human end-stage ischemic and non-ischemic cardiomyopathy. Journal of molecular and cellular cardiology, 214, 17.

Christopher CJ, et al. (2025) Specific Bacterial Taxa and Their Metabolite, DHPS, May Be Linked to Gut Dyshomeostasis in Patients with Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis. Nutrients, 17(9).

Pokorzynski ND, et al. (2025) The master virulence regulator PhoP dictates carbon metabolism by controlling cyclic AMP synthesis in Salmonella. PLoS biology, 23(12), e3003566.

Kumar A, et al. (2025) Proximity to a hazardous waste thermal treatment facility alters human physiology: a community-driven pilot study. Experimental biology and medicine (Maywood, N.J.), 250, 10655.

Schnizlein MK, et al. (2025) Non-redundant cardiolipin synthases shape membrane composition and support stress resilience in Bacteroides fragilis. bioRxiv : the preprint server for biology.

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).

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.

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.

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).

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.

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).

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.

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.

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.

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