

Resource Summary Report

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Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility

RRID:SCR_017831

Type: Tool

Proper Citation

Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility
(RRID:SCR_017831)

Resource Information

URL: <https://med.psu.edu/core/mass-spectrometry>

Proper Citation: Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility (RRID:SCR_017831)

Description: Core provides mass spectrometry analyses and identification of proteins, peptides, oligonucleotides, carbohydrates and small molecules. Other services include separations of complex protein and/or peptide mixtures; protein expression analysis (iTraq, SILAC, SWATH/DIA label-free); quantitation of protein, cytokine, amino acid and other small-molecule levels; bioinformatics; spot-cutting and robotics; and gel imaging and analysis., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16, 2025.

Synonyms: Penn State College of Medicine's Mass Spectrometry & Proteomics Core

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

Keywords: Mass, spectrometry, analysis, identification, protein, peptide, oligonucleotide, carbohydrate, molecule, separation, complex, mixture, expression, analysis, quantitation, bioinformatics, gel, imaging, service, core, ABRF

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility

Resource ID: SCR_017831

Alternate IDs: ABRF_617

Record Creation Time: 20220129T080337+0000

Ratings and Alerts

No rating or validation information has been found for Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility.

No alerts have been found for Penn State College of Medicine Mass Spectrometry and Proteomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Ardabili AK, et al. (2025) Diagnosing Sepsis Through Proteomic Insights: Findings from a Prospective ICU Cohort. medRxiv : the preprint server for health sciences.

Sinha I, et al. (2025) Short-Term and Long-Term Effects of Electronic Cigarettes on Mouse Lungs Following Nose-Only Exposures. Chemical research in toxicology, 38(6), 1019.

Veldheer S, et al. (2025) Serum and Skin Carotenoid Levels in Older Adults with and Without Metabolic Syndrome: A Cross-Sectional Study. Nutrients, 17(19).

Santiago-Aponte NM, et al. (2025) Prospective observational study quantifying maternal-fetal fentanyl transmission in epidural analgesia infusion using umbilical cord blood and neonatal meconium. Journal of perinatology : official journal of the California Perinatal Association.

Li Y, et al. (2025) Adaptation to cystine limitation stress confers a targetable lipid metabolism vulnerability in pancreatic ductal adenocarcinoma. Nature communications.

Schell TD, et al. (2025) The effects of Co-exposure of tobacco smoke with Dibenzo[a,l]pyrene diol epoxide on molecular targets and immune cells in the mouse oral cavity. Chemico-biological interactions, 420, 111694.

Bui V, et al. (2024) Blocking autophagosome closure manifests the roles of mammalian Atg8-family proteins in phagophore formation and expansion during nutrient starvation. Autophagy.

Sun D, et al. (2024) 2-Deoxyglucose and hydroxychloroquine HPLC-MS-MS analytical methods and pharmacokinetic interactions after oral co-administration in male rats. Pharmacology research & perspectives, 12(1), e1173.

Kazzaz SA, et al. (2024) Phosphorylation of aryl hydrocarbon receptor interacting protein by TBK1 negatively regulates IRF7 and the type I interferon response. *The Journal of biological chemistry*, 300(1), 105525.

Hamamoto K, et al. (2024) Unveiling the physiological impact of ESCRT-dependent autophagosome closure by targeting the VPS37A ubiquitin E2 variant-like domain. *Cell reports*, 43(12), 115016.

Lambert GS, et al. (2024) Comparative analysis of retroviral Gag-host cell interactions: focus on the nuclear interactome. *bioRxiv : the preprint server for biology*.

Brendle SA, et al. (2024) Intraperitoneal delivery of cannabidiol (CBD) and Δ^9 -tetrahydrocannabinol (THC) promotes papillomavirus infections in athymic nude mice. *Tumour virus research*, 19, 200307.

Torres MC, et al. (2024) Activity of DNA polymerase β across the genome in human fibroblasts. *Proceedings of the National Academy of Sciences of the United States of America*, 121(28), e2403130121.

Vanarsa K, et al. (2024) iTRAQ-based mass spectrometry screen to identify serum biomarkers in systemic lupus erythematosus. *Lupus science & medicine*, 11(1).

Lambert GS, et al. (2024) Comparative analysis of retroviral Gag-host cell interactions: focus on the nuclear interactome. *Retrovirology*, 21(1), 13.

Melkumyan M, et al. (2024) Effects of cannabidiol, with and without Δ^9 -tetrahydrocannabinol, on anxiety-like behavior following alcohol withdrawal in mice. *Frontiers in neuroscience*, 18, 1375440.

Yau E, et al. (2024) SP-R210 isoforms of Myosin18A modulate endosomal sorting and recognition of influenza A virus infection in macrophages. *Microbes and infection*, 26(3), 105280.

Rice SJ, et al. (2024) Characterization of effective, simple, and low-cost precipitation methods for depleting abundant plasma proteins to enhance the depth and breadth of plasma proteomics. *Proteomics*, 24(15), e2400071.

Tang M, et al. (2024) Inhibition of thioredoxin reductase 1 sensitizes glucose-starved glioblastoma cells to disulfidptosis. *Cell death and differentiation*.

Lü J, et al. (2024) Growing Korean Angelica (*A. gigas* Nakai) in Central Pennsylvania - Root Pyranocoumarin Profile at Different Harvesting Time. *Journal of medicinally active plants*, 13(1), 31.