

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: access service resource, core facility, 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 40 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Amatya S, et al. (2026) Machine learning integrated extracellular vesicle proteome analysis for early markers of bronchopulmonary dysplasia. *Function* (Oxford, England), 7(2), e0902025.

Ardabili AK, et al. (2026) Clinic-first sepsis recognition in the ICU: a proteomics-guided, parsimonious model with independent validation. *Clinical proteomics*, 23(1).

Chen KM, et al. (2026) The effects of black raspberry lozenges on 4-hydroxy-1-(3-pyridyl)-1-butanone-releasing DNA adducts in buccal cells and urinary levels of N'-nitrosonornicotine and its glucuronide in active smokers. *Carcinogenesis*, 47(2).

Liu J, et al. (2026) Anti-Biofilm Properties of Polyurethane Biomaterials Tethered With Small Molecules via Polyethylene Glycol Linker. *Journal of biomedical materials research. Part A*, 114(4), e70069.

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).

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

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

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*.

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.

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*.

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

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.

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

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

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.

Chen KM, et al. (2024) Gender Difference in DNA Damage Induced by the Environmental Carcinogen Dibenzo[def,p]chrysene Individually and in Combination with Mouse Papillomavirus Infection in the Mouse Oral Cavity. *ACS omega*, 9(7), 8434.

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.