

Resource Summary Report

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University of Colorado Anschutz Medical Campus Cancer Center Mass Spectrometry Shared Resource Core Facility

RRID:SCR_021988

Type: Tool

Proper Citation

University of Colorado Anschutz Medical Campus Cancer Center Mass Spectrometry Shared Resource Core Facility (RRID:SCR_021988)

Resource Information

URL: <https://medschool.cuanschutz.edu/corefacilities/ms-metabolomics>

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Description: Provides investigators with capabilities to identify, characterize, and quantify biomolecules present in tissues, cells, and biological fluids. Facility houses both Proteomics and Metabolomics Cores, and aims to assist members with solving difficult or previously intractable problems in biomedical research. Methods for biomolecule isolation, separation, quantification, identification and bioinformatics analysis, together with expert guidance in study design, are integrated into expertise offered by the Facility.

Abbreviations: MSSR

Synonyms: Mass Spectrometry Shared Resource

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

Keywords: ABRF, USEDit

Resource Name: University of Colorado Anschutz Medical Campus Cancer Center Mass Spectrometry Shared Resource Core Facility

Resource ID: SCR_021988

Alternate IDs: ABRF_1312

Alternate URLs: <https://medschool.cuanschutz.edu/corefacilities/ms-proteomics>,
<https://coremarketplace.org/?FacilityID=1312>

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Ratings and Alerts

No rating or validation information has been found for University of Colorado Anschutz Medical Campus Cancer Center Mass Spectrometry Shared Resource Core Facility.

No alerts have been found for University of Colorado Anschutz Medical Campus Cancer Center Mass Spectrometry Shared Resource Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Bischoff ME, et al. (2025) Copper Drives Remodeling of Metabolic State and Progression of Clear Cell Renal Cell Carcinoma. *Cancer discovery*, 15(2), 401.

Sessions DT, et al. (2025) Androgen Receptors Promote Oxidative Phosphorylation and Resistance to Palmitate Lipotoxicity in ER-Mutant Breast Cancer. *Endocrinology*, 167(1).

Veo B, et al. (2025) Single-cell multi-omics identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. *Nature communications*, 16(1), 10470.

Kellett MD, et al. (2025) Focal adhesion kinase promotes ribosome biogenesis to drive advanced thyroid cancer cell growth and survival. *Frontiers in oncology*, 15, 1252544.

Haque PS, et al. (2025) Obese Adipose Tissue Extracellular Vesicles Activate Mitochondrial Fatty Acid β -oxidation to Drive Colonic Stemness. *Cellular and molecular gastroenterology and hepatology*, 19(7), 101504.

Kuo LW, et al. (2024) Blocking Tryptophan Catabolism Reduces Triple-Negative Breast Cancer Invasive Capacity. *Cancer research communications*, 4(10), 2699.

Elias AD, et al. (2024) Clinical and immune responses to neoadjuvant fulvestrant with or without enzalutamide in ER+/Her2- breast cancer. *NPJ breast cancer*, 10(1), 88.

Villagomez FR, et al. (2024) Claudin-4 Modulates Autophagy via SLC1A5/LAT1 as a Mechanism to Regulate Micronuclei. *Cancer research communications*, 4(7), 1625.

Wu MH, et al. (2024) Deleting the mitochondrial respiration negative regulator MCJ enhances the efficacy of CD8+ T cell adoptive therapies in pre-clinical studies. *Nature*

communications, 15(1), 4444.

Veo B, et al. (2024) Single-cell multi-omics analysis identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. Research square.

Sottnik JL, et al. (2024) WNT4 Regulates Cellular Metabolism via Intracellular Activity at the Mitochondria in Breast and Gynecologic Cancers. Cancer research communications, 4(1), 134.

Crump LS, et al. (2024) Targeting Tryptophan Catabolism in Ovarian Cancer to Attenuate Macrophage Infiltration and PD-L1 Expression. Cancer research communications, 4(3), 822.

Wang M, et al. (2024) Differential Effects of Extracellular Vesicles from Two Different Glioblastomas on Normal Human Brain Cells. Neurology international, 16(6), 1355.

Nguyen KN, et al. (2024) Extracellular Vesicles from a Novel Chordoma Cell Line, ARF-8, Promote Tumorigenic Microenvironmental Changes When Incubated with the Parental Cells and with Human Osteoblasts. International journal of molecular sciences, 25(23).

Wang M, et al. (2024) A tale of two tumors: differential, but detrimental, effects of glioblastoma extracellular vesicles (EVs) on normal human brain cells. bioRxiv : the preprint server for biology.

Van Court B, et al. (2024) Heterogeneous Kinetics of Nanobubble Ultrasound Contrast Agent and Angiogenic Signaling in Head and Neck Cancer. bioRxiv : the preprint server for biology.

Seymour BJ, et al. (2023) Microbiota-dependent indole production stimulates the development of collagen-induced arthritis in mice. The Journal of clinical investigation, 134(4).

Han DS, et al. (2023) Mesenchymal Stem Cells Delivered Locally to Ischemia-Reperfused Kidneys via Injectable Hyaluronic Acid Hydrogels Decrease Extracellular Matrix Remodeling 1 Month after Injury in Male Mice. Cells, 12(13).