Resource Summary Report

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University of Chicago Metabolomics Platform Core Facility

RRID:SCR_022932
Type: Tool

Proper Citation

University of Chicago Metabolomics Platform Core Facility (RRID:SCR_022932)

Resource Information

URL: https://voices.uchicago.edu/metabolomics/

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Description: Equipped with Thermo Scientific Orbitrap IQ-X Tribrid mass spectrometer(+UVPD)- Vanquish Horizon UHPLC system. Provides experience in quantifying diverse groups of metabolites in cells, culture medium, bodily fluid, animal tissue, exhaled breath condensate, etc., and performes stable isotope tracing experiments using 13C, 15N, and 2H-labeled substrates. Support hypothesis generating untargeted and hypothesis driven targeted metabolomics studies from experimental design stage through data acquisition, data analysis, and interpretation.

Synonyms: Metabolomics Platform, University of Chicago Metabolomics Platform

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

Keywords: USEDit, ABRF, metabolomics studies, experimental design, data acquisition, data analysis, data interpretation

Resource Name: University of Chicago Metabolomics Platform Core Facility

Resource ID: SCR_022932

Alternate IDs: ABRF_1611

Alternate URLs: https://coremarketplace.org/?FacilityID=1611&citation=1

Record Creation Time: 20221031T050209+0000

Record Last Update: 20260912T200421+0000

Ratings and Alerts

No rating or validation information has been found for University of Chicago Metabolomics Platform Core Facility.

No alerts have been found for University of Chicago Metabolomics Platform Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Hecht F, et al. (2026) Catabolism of extracellular glutathione supplies cysteine to support tumours. Nature, 653(8115), 933.

Pan X, et al. (2026) A genetically encoded bifunctional enzyme mitigates redox imbalance and lipotoxicity. Nature metabolism, 8(2), 350.

Jonker PB, et al. (2025) Microenvironmental arginine restriction sensitizes pancreatic cancers to polyunsaturated fatty acids by suppression of lipid synthesis. bioRxiv : the preprint server for biology.

Pan X, et al. (2025) A genetically encoded bifunctional enzyme mitigates redox imbalance and lipotoxicity via engineered Gro3P-Glycerol shunt. bioRxiv : the preprint server for biology.

Li S, et al. (2025) Tumor Cell-Intrinsic Decr2 Regulates Ferroptosis and Immunotherapy Efficacy. Cancer immunology research, 13(8), 1284.

Heide J, et al. (2025) NNMT inhibition in cancer-associated fibroblasts restores antitumour immunity. Nature.

Hecht F, et al. (2024) Catabolism of extracellular glutathione supplies amino acids to support tumor growth. bioRxiv : the preprint server for biology.

Song X, et al. (2024) RNA splicing analysis deciphers developmental hierarchies and reveals therapeutic targets in adult glioma. The Journal of clinical investigation, 134(11).

Yang H, et al. (2024) Remodelling of the translatome controls diet and its impact on tumorigenesis. Nature, 633(8028), 189.

Singh C, et al. (2024) ChREBP is activated by reductive stress and mediates GCKR-associated metabolic traits. Cell metabolism, 36(1), 144.