

Resource Summary Report

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Montana State University Mass Spectrometry Core Facility

RRID:SCR_012482

Type: Tool

Proper Citation

Montana State University Mass Spectrometry Core Facility (RRID:SCR_012482)

Resource Information

URL: <http://www.montana.edu/massspec/index.html>

Proper Citation: Montana State University Mass Spectrometry Core Facility (RRID:SCR_012482)

Description: Provides access to mass spectrometers and mass spectrometry expertise. The facility currently maintains the following equipment Waters Synapt-XS Q-IMS-TOF with Waters I-Class UHPLC; Agilent 6538 Q-TOF with Agilent 1290 UHPLC; Agilent 7800 Inductively Coupled Plasma with Laser Ablation (193 nm); Bruker microTOF with Agilent 1290 UHPLC; Agilent 6490 Triple Quadrupole Mass Spectrometer; Bruker MALDI Autoflex; Agilent GC-MS; Waters Synapt G2S-i Q-TOF with Ion Mobility.

Synonyms: Montana State University Mass Spectrometry Facility, MSU Mass Spectrometry Facility, Proteomics, Metabolomics and Mass Spectrometry Facility

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

Keywords: mass spectrometers, mass spectrometry expertise, proteomics, metabolomics, USEdit, ABRF

Funding: MJ Murdock Charitable Trust ;
Montana State University ;
NIGMS P20GM103474

Availability: Restricted

Resource Name: Montana State University Mass Spectrometry Core Facility

Resource ID: SCR_012482

Alternate IDs: SciEx_239, ABRF_253

Alternate URLs: <https://coremarketplace.org/?FacilityID=253&citation=1>

Old URLs: <http://www.scienceexchange.com/facilities/mass-spectrometry-facility>

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260905T133355+0000

Ratings and Alerts

No rating or validation information has been found for Montana State University Mass Spectrometry Core Facility.

No alerts have been found for Montana State University Mass Spectrometry Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Chlebek C, et al. (2026) In C57BL/6J mice, weight loss in previously obese mice reduced bone mass and shifted the cortical bone metabolome. *Bone*, 202, 117690.

Hasskamp H, et al. (2026) Bone microarchitecture and material properties decline differently across midlife for male and female F344 ?? BN F1 rats. *bioRxiv : the preprint server for biology*.

Schomberg-Sanchez IS, et al. (2026) Hangman dipyrin complexes. *Chemical science*, 17(1), 602.

Cooper G, et al. (2026) Arsenic detoxification within thermo-alkaline biofilms. *Frontiers in microbiology*, 17, 1783099.

Mathiyazakan V, et al. (2026) The Mycobacterium abscessus cytochrome bcc:aa3 oxidase structure paves the way for an agent targeting subunit QcrB. *Nature communications*, 17(1).

Sather B, et al. (2026) Beyond Repression: ArsR Functions as a Global Activator of Metabolic and Redox Responses in Escherichia coli. *Proteomes*, 14(1).

Wang L, et al. (2026) Technical and biological factors driving inter-individual body burden of arsenic species in murine models of human arsenic exposure. *Toxicological sciences : an official journal of the Society of Toxicology*, 209(6).

Singh S, et al. (2026) A bioluminescence-based chemical screen identifies a bactericidal naphthalen-1-ylmethanamine scaffold targeting MmpL3 in Mycobacterium abscessus. Cell reports, 45(5), 117311.

Satyanarayana SB, et al. (2026) Diabetes-induced right ventricular remodeling precedes left ventricular remodeling and occurs via a distinct fatty acid uptake pathway. Cardiovascular diabetology. Endocrinology reports, 12(1).

Cooper G, et al. (2025) Dietary Intervention with Cottonseed and Olive Oil Differentially Affect the Circulating Lipidome and Immunoregulatory Compounds-A Randomized Clinical Trial. Metabolites, 15(9).

Chlebek C, et al. (2025) In C57Bl6 Mice, Obesity and Subsequent Weight Loss Negatively Affected the Skeleton and Shifted the Cortical Bone Metabolome. bioRxiv : the preprint server for biology.

Myers EP, et al. (2025) Targeted analysis of chondrocyte central metabolites in response to cyclical compression and shear deformations. bioRxiv : the preprint server for biology.

Kashyap R, et al. (2025) Cryo-EM captures the coordination of asymmetric electron transfer through a di-copper site in DPOR. Nature communications, 16(1), 3866.

Singh S, et al. (2025) A bioluminescence-based chemical screen identifies a bactericidal naphthalene scaffold targeting MmpL3 in Mycobacterium abscessus. bioRxiv : the preprint server for biology.

Gauvin CC, et al. (2025) The Mechanism of Mineral Nucleation and Growth in a Mini-Ferritin. Journal of the American Chemical Society, 147(41), 37030.