

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 microOTOF 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: core facility, service resource, access service resource

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

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

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>

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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 7 mentions in open access literature.

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

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.

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).

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.

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.

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.