

Resource Summary Report

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Nebraska-Lincoln University Metabolomics and Proteomics Core Facility

RRID:SCR_017789

Type: Tool

Proper Citation

Nebraska-Lincoln University Metabolomics and Proteomics Core Facility
(RRID:SCR_017789)

Resource Information

URL: <https://redoxbiologycenter.unl.edu/facilities/metabolomics-and-proteomics-core-facility/>

Proper Citation: Nebraska-Lincoln University Metabolomics and Proteomics Core Facility
(RRID:SCR_017789)

Description: Provides tools of modern functional proteomics and metabolomics. Facility is equipped with chromatography and mass spectrometry based technologies for proteomics and metabolomics (Clinical and non clinical), personalized experimental design consultation and comprehensive, individualized bioinformatics support. Services include: Small molecule exact mass determination or quantitation using positive or negative ion mode; Protein identification using LC/MS/MS analysis and MASCOT and SEQUEST database search; Shot gun proteome analysis of biological samples; Biomarker discovery from biological fluid; Drug protein or drug nucleic acid protein interaction; Protein complex isolation and identifying interacting partners and its quantitation; Protein differential expression analysis and quantitation by 2D-LC MS/MS (MudPIT); Global PTM analysis and quantitation; Specialization in phosphorylation and oxidation analysis; Coomassie Blue and Silver Stained Gel analysis; de novo peptide sequencing by tandem mass spectrometry; Confirmation of mutations in protein ; Customized sequence search of in-house proteins that are not available in database; Post translational modifications (phosphorylation, sumoylation, ubiquitination, oxidation, etc.); Determination of oxidation state of cysteine (disulfide bonds); Intact proteins and peptides mass determination.

Synonyms: Metabolomics and Proteomics Core Facility

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

Keywords: Metabolomics, proteomics, chromatography, mass, spectrometry, protein, peptide, analysis, service, core

Availability: Open

Resource Name: Nebraska-Lincoln University Metabolomics and Proteomics Core Facility

Resource ID: SCR_017789

Alternate IDs: ABRF_407

Old URLs: http://redoxbiologycenter.unl.edu/facilities_metabolomics,
<https://redoxbiologycenter.unl.edu/metabolomics-and-proteomics-core-facility/>

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260829T183300+0000

Ratings and Alerts

No rating or validation information has been found for Nebraska-Lincoln University Metabolomics and Proteomics Core Facility.

No alerts have been found for Nebraska-Lincoln University Metabolomics and Proteomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.