

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

Cornell University BRC Proteomics and Metabolomics Core Facility

RRID:SCR_021743

Type: Tool

Proper Citation

Cornell University BRC Proteomics and Metabolomics Core Facility (RRID:SCR_021743)

Resource Information

URL: <https://www.biotech.cornell.edu/core-facilities-brc/facilities/proteomics-metabolomics-facility>

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Description: Facility provides diverse range of Mass Spectrometry based proteomics and metabolomics services. Services include sample preparation, sample analysis, and data interpretation.

Synonyms: BRC Proteomics and Metabolomics Facility

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

Keywords: USEDit, ABRF, Mass Spectrometry

Availability: open

Resource Name: Cornell University BRC Proteomics and Metabolomics Core Facility

Resource ID: SCR_021743

Alternate IDs: ABRF_1219

Alternate URLs: <https://coremarketplace.org/?FacilityID=1219>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260912T200412+0000

Ratings and Alerts

No rating or validation information has been found for Cornell University BRC Proteomics and Metabolomics Core Facility.

No alerts have been found for Cornell University BRC Proteomics and Metabolomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Keller MR, et al. (2026) Global response to antibiotic exposure reveals a critical role for nucleotide metabolism in high-level β -lactam tolerance. *npj antimicrobials and resistance*, 4(1), 11.

Gardner DM, et al. (2026) Two novel paralogous *C. elegans* proteins bind to LON-1 but do not have a major role in body size regulation. *microPublication biology*, 2026.

Bell SJ, et al. (2026) Experimental Study of Collision-Induced Dissociation for Ionic Liquid Ions and Clusters. *Journal of the American Society for Mass Spectrometry*.

Dombaxe CP, et al. (2026) Proteomic Signatures of Regeneration: Uncovering Extracellular Matrix-Associated Cues in Goldfish Spinal Cord Repair. *The Journal of comparative neurology*, 534(5), e70170.

Carro MLM, et al. (2026) Argonaute proteins orchestrate Meiotic Sex Chromosome Inactivation and timing of the spermatogenic transcriptional program. *PLoS genetics*, 22(6), e1012217.

Chaturbedi A, et al. (2025) Different gametogenesis states uniquely impact longevity in *Caenorhabditis elegans*. *Nature communications*, 16(1), 9300.

Oren E, et al. (2025) Grass Rhizome Proteomics Reveals Convergent Freezing-Tolerance Strategies. *bioRxiv : the preprint server for biology*.

Lee Y-J, et al. (2025) Characterization of proteins present in the biofilm matrix and outer membrane vesicles of *Histophilus somni* during iron-sufficient and iron-restricted growth: identification of potential protective antigens through in silico analyses. *mBio*, 16(5), e0064425.

Keller MR, et al. (2025) Global response to antibiotic exposure uncovers a critical role for nucleotide metabolism in high-level β -lactam tolerance. *Research square*.

Tahsin ATM, et al. (2025) Reactive Molecular Dynamics Modeling of Collision-Induced Dissociation of 1-Ethyl-3-methylimidazolium Tetrafluoroborate Ionic Liquid Ions. *The*

journal of physical chemistry. A, 129(38), 8817.

Zhao J, et al. (2024) Loss of Diphthamide Increases DNA Replication Stress in Mammalian Cells by Modulating the Translation of RRM1. ACS central science, 10(10), 1835.

Cole-Skinner B, et al. (2024) Oleate alters the immune response in non-small cell lung adenocarcinoma through regulation of HMGB1 release. Frontiers in cell and developmental biology, 12, 1348707.

Kong S, et al. (2024) DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-signaling inhibitor proteins. Developmental cell.

Chaturbedi A, et al. (2023) Different gametogenesis states uniquely impact longevity in Caenorhabditis elegans. bioRxiv : the preprint server for biology.

Kong S, et al. (2023) DRMY1 promotes robust morphogenesis by sustaining translation of a hormone signaling protein. bioRxiv : the preprint server for biology.

Jackson C, et al. (2023) Assessing the Interactions between Zinc and Vitamin A on Intestinal Functionality, Morphology, and the Microbiome In Vivo (Gallus gallus). Nutrients, 15(12).

Cole-Skinner B, et al. (2023) Unsaturated fatty acid alters the immune response in non-small cell lung adenocarcinoma through regulation of HMGB1 trafficking. bioRxiv : the preprint server for biology.

Shimpi AA, et al. (2023) Phosphoproteomic Changes Induced by Cell-Derived Matrix and Their Effect on Tumor Cell Migration and Cytoskeleton Remodeling. ACS biomaterials science & engineering, 9(12), 6835.

Li X, et al. (2023) Mechanism and Dynamics of Photodecarboxylation Catalyzed by Lactate Monooxygenase. Journal of the American Chemical Society, 145(24), 13232.

Wiens GD, et al. (2023) Plasma proteomic profiling of bacterial cold water disease-resistant and -susceptible rainbow trout lines and biomarker discovery. Frontiers in immunology, 14, 1265386.