

UVM VBRN Proteomics Facility (Proteomics)

University of Vermont

337 Marsh Life Science Building
Burlington, VT 05405
United States of America
<https://vbrn.org/proteomics/>

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 Ying Wai Lam

Last Updated: 04/17/2024

Facility RRID

RRID:SCR_018667

Additional Citation Identifiers

P20GM103449

Facility Details

VBRN Proteomics Facility is supported by INBRE funding (P20GM103449) and is located in the Marsh Life Science Building at the University of Vermont. It occupies 1,408 ft² of lab, data processing unit, office, and consultation space. The Proteomics Facility enables

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Created: Vermont Biomedical Research Network (VBRN), funded by NIH INBRE Program (P20GM103449)

Partnerships: RRID, SciCrunch, ABRF

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Other Facilities At This Institution:

Advanced Genome Technologies Core
Massively Parallel Sequencing Facility

Biostatistics

Clinical Research Center

Engineering and Mathematical Sciences Research Facilities - Materials Science

Flow Cytometry and Cell Sorting Facility

Functional Brain Imaging Core

Instrumentation

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PROFILE: **RRID**

RRID:SCR_018667

INSTITUTION: **ROR**

HTTPS://ROR.ORG/OI55ZTAII

INSTRUMENTATION: **RRID** RRID:SCR_020213

PERSON: **ORCID**

0000-0002-0343-7027

UVM VBRN Proteomics Facility (Proteomics)

PUBLICATION CITATION:

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Publications

Publications associated with this facility (Click To View):

1.) Cruz LC, Habibovic A, Dempsey B, Massafera MP, Janssen-Heininger YMW, Lin MJ, Hoffman ET, Weiss DJ, Huang SK, van der Vliet A, Meotti FC (2024 May). Identification of tyrosine brominated extracellular matrix proteins in normal and fibrotic lung tissues. *Redox biology*, 71(), 103102. . PMID: 38430684.

2.) Chandra H, Gupta MK, Lam YW, Yadav JS (2024 Feb 12). Predominantly Orphan Secretome in the Lung Pathogen Mycobacterium abscessus Revealed by a Multipronged Growth-Phase-Driven Strategy *Microorganisms*, 12(2), 378. . PMID: 10892769.

3.) Deng B, Vanagas L, Alonso AM, Angel SO (2023 Dec 29). Proteomics Applications in Toxoplasma gondii: Unveiling the Host-Parasite Interactions and Therapeutic Target Discovery. *Pathogens (Basel, Switzerland)*, 13(1), . . PMID: 38251340.

4.) Chandrasekaran R, Bruno SR, Mark ZF, Walzer J, Caffry S, Gold C, Kumar A, Chamberlain N, Butzirus IM, Morris CR, Daphtary N, Aliyeva M, Lam YW, van der Vliet A, Janssen-Heininger Y, Poynter ME, Dixon AE, Anathy V (2023 Feb 1). Mitoquinone mesylate attenuates pathological features of lean and obese allergic asthma in mice. *American journal of physiology. Lung cellular and molecular physiology*, 324(2), L141-L153. . PMID: 36511516.

5.) Hoffman ET, Uhl FE, Asarian L, Deng B, Becker C, Uriarte JJ, Downs I, Young B, Weiss DJ (2023 Feb). Regional and disease specific human lung extracellular matrix composition. *Biomaterials*, 293(), 121960. . PMID: 36580718.

6.) Aboushousha R, Elko E, Chia SB, Manuel AM, van de Wetering C, van der Velden J, MacPherson M, Erickson C, Reisz JA, D (2021 May). Glutathionylation chemistry promotes interleukin-1 beta-mediated glycolytic reprogramming and pro-inflammatory signaling in lung epithelial cells. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(5), e21525. doi: 10.1096/fj.202002687RR. ID: 33817836.

7.) Panzarino NJ, Kraiss JJ, Cong K, Peng M, Mosqueda M, Nayak SU, Bond SM, Calvo JA, Doshi MB, Bere M, Ou J, Deng B, Zhu LJ, Johnson N, Cantor SB (2021 Mar 1). Replication Gaps Underlie BRCA Deficiency and Therapy Response. *Cancer research*, 81(5), 1388-1397. . ID: 33184108.

8.) Wang L, Riel LP, Bajrami B, Deng B, Howell AR, Yao X (2021 Feb 2). α -Methylene- β -Lactone Scaffold for Developing Chemical Probes at the Two Ends of the Selectivity Spectrum. *ChemBiochem : a European journal of chemical biology*, 22(3), 505-515. doi: 10.1002/cbic.20200605. ID: 32964640.

9.) Fairfield H, Dudakovic A, Khatib GM, Farrell M, Costa S, Falank C, Hingo M, Murphy CS, DeMambro V, Pettitt JA, Lany CW, Driscoll HE, M

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PUBLICATION CITATION:

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University of Vermont - UVM
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Thermo Q Exactive Plus Hybrid Quadrupole-Orbitrap

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- 1.) Cruz LC, Habibovic A, Dempsey B, Massafra MP, Janssen-Heininger YMW, Lin MJ, Hoffman ET, Weiss DJ, Huang SK, van der Vliet A, Meotti FC (2024 May). Identification of tyrosine brominated extracellular matrix proteins in normal and fibrotic lung tissues. Redox biology, 71(), 103102. . PMID: 38430684.
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- 1.) Cruz LC, Habibovic A, Dempsey B, Massafra MP, Janssen-Heininger YMW, Lin MJ, Hoffman ET, Weiss DJ, Huang SK, van der Vliet A, Meotti FC (2024 May). Identification of tyrosine brominated extracellular matrix proteins in normal and fibrotic lung tissues. Redox biology, 71(), 103102. . PMID: 38430684
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- 1.) Tee A, Jones RA, Dunlop EA, Champion J, Doubleday P, Claessens T, Jalali Z, Seifan S, Perry I, Giles P, Harrison O, Coull B, Houghling A, Pause A, Ballif B (2024 Jun 26). Characterizing the tumor suppressor activity of FLCN in Birt-Hogg-Dubé syndrome through transcriptomic and proteomic analysis Research Square, (), rs.3.rs-4510670. . PMID: 11230511
- 2.) McCurdy LY, DeVito EE, Loya JM, Nich C, Zhai ZW, Kiluk BD, Potenza MN (2024 Jun 2). Structural brain changes associated with

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