

Resource Summary Report

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Vermont University Larner College of Medicine Microscopy Imaging Center Core Facility

RRID:SCR_018821

Type: Tool

Proper Citation

Vermont University Larner College of Medicine Microscopy Imaging Center Core Facility
(RRID:SCR_018821)

Resource Information

URL: <http://www.med.uvm.edu/mic>

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Description: Core provides imaging equipment including JEOL 1400 transmission electron microscope with AMT 11 megapixel digital camera, JEOL JSM 6060 scanning electron microscope with attached Oxford INCA energy dispersive spectroscopy detector for element analysis, Nikon Air HD confocal scanning laser microscope, Nikon C2 confocal scanning laser microscope, Andor Spinning Disk confocal microscope, Zeiss LSM 7 Multiphoton confocal microscope, Nikon STORM super-resolution light microscope, Olympus BX50 research microscope for transmitted light, phase contrast, and epi-fluorescence microscopy, Asylum Research MFP-3D BIO atomic force microscope, Asylum Research Cypher Environmental atomic force microscope, Arcturus XT-Ti Laser Capture Microdissector system, Olympus IX70 inverted microscope with associated Applied BioPhysics Electri Cell-Substrate Impedance Sensing (ECIS Ztheta) system, Leica VERSA 8 whole slide imager, Dell workstations containing Molecular Devices MetaMorph image analysis software for complex quantitative image analysis, Indica Labs HALO software, Improvion Volocity, MBR StereoInvestigator.

Abbreviations: MIC

Synonyms: , UVM - Microscopy Imaging Center, Vermont University Larner College of Medicine Microscopy Imaging Center, University of Vermont Larner College of Medicine Microscopy Imaging Center

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

Keywords: USEdit, microscopy imaging, transmission electron microscope, microscope, image analysis service, ABRF

Funding: NCRR S10RR025498;
NIH Office of the Director 1S10OD025030

Availability: Open

Resource Name: Vermont University Larner College of Medicine Microscopy Imaging Center Core Facility

Resource ID: SCR_018821

Alternate IDs: ABRF_22

Alternate URLs: <https://coremarketplace.org/?FacilityID=22>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260728T043550+0000

Ratings and Alerts

No rating or validation information has been found for Vermont University Larner College of Medicine Microscopy Imaging Center Core Facility.

No alerts have been found for Vermont University Larner College of Medicine Microscopy Imaging Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Madrigal G, et al. (2026) Molecular and biophysical requirements for B cell receptor dependent enhancement of dengue virus infection. bioRxiv : the preprint server for biology.

Foley C, et al. (2026) Impact of Whey Protein on the Physico-Mechanical Properties of Alginate Dialdehyde Scaffolds and Cell Adhesion for Cultivated Meat Applications. Food hydrocolloids, 170.

Snoke DB, et al. (2025) Early adipose tissue wasting in a preclinical model of human lung cancer cachexia. Cell reports, 44(9), 116278.

Gebriel M, et al. (2025) Extracellular Matrix Reorganization During Endometrial Decidualization. bioRxiv : the preprint server for biology.

- Lahusen A, et al. (2025) An immune responsive tumor microenvironment imprints into PBMCs and predicts outcome in advanced pancreatic cancer: lessons from the PREDICT trial. *Molecular cancer*, 24(1), 202.
- Gebril M, et al. (2025) Extracellular matrix reorganization during endometrial decidualization. *Histochemistry and cell biology*, 163(1), 84.
- Korwin-Mihavics BR, et al. (2025) Organoid-based in vitro system and reporter for the study of *Cryptosporidium parvum* sexual reproduction. *Microbiology spectrum*, 13(8), e0050225.
- Mustafa R, et al. (2025) Revealing two distinct molecular binding modes in polyethyleneimine-DNA polyplexes using infrared spectroscopy. *Soft matter*, 21(21), 4192.
- Barnaby R, et al. (2025) Outer Membrane Vesicles Secreted by *Bacteroides fragilis* Inhibit CFTR Chloride Secretion by Human Colon Organoids. *bioRxiv : the preprint server for biology*.
- Ouellette A, et al. (2025) Lysyl Oxidases Are Necessary for Myometrial Contractility and On-time Parturition in Mice. *Journal of the Endocrine Society*, 9(5), bvaf028.
- Snoke DB, et al. (2025) Early adipose tissue wasting in a novel preclinical model of human lung cancer cachexia. *bioRxiv : the preprint server for biology*.
- Fabian-Fine R, et al. (2024) Myelinated Glial Cells: Their Proposed Role in Waste Clearance and Neurodegeneration in Arachnid and Human Brain. *The Journal of comparative neurology*, 532(11), e70000.
- Li Z, et al. (2024) *P. aeruginosa* tRNA-fMet halves secreted in outer membrane vesicles suppress lung inflammation in cystic fibrosis. *American journal of physiology. Lung cellular and molecular physiology*, 326(5), L574.
- Sarkar S, et al. (2024) Extracellular vesicles secreted by primary human bronchial epithelial cells reduce *Pseudomonas aeruginosa* burden and inflammation in cystic fibrosis mouse lung. *American journal of physiology. Lung cellular and molecular physiology*, 326(2), L164.
- Shore AN, et al. (2024) Heterozygous expression of a *Kcnt1* gain-of-function variant has differential effects on somatostatin- and parvalbumin-expressing cortical GABAergic neurons. *eLife*, 13.
- Mead AF, et al. (2024) Functional role of myosin-binding protein H in thick filaments of developing vertebrate fast-twitch skeletal muscle. *bioRxiv : the preprint server for biology*.
- Lombardo AT, et al. (2024) ARHGAP18-ezrin functions as an autoregulatory module for RhoA in the assembly of distinct actin-based structures. *eLife*, 13.
- Charron PN, et al. (2024) Whey Protein Isolate Composites as Potential Scaffolds for Cultivated Meat. *ACS applied bio materials*, 7(4), 2153.
- Mead AF, et al. (2024) Functional role of myosin-binding protein H in thick filaments of developing vertebrate fast-twitch skeletal muscle. *The Journal of general physiology*,

156(12).

Kumar A, et al. (2024) The protein disulfide isomerase A3 and osteopontin axis promotes influenza-induced lung remodelling. *British journal of pharmacology*, 181(22), 4610.