

Resource Summary Report

Generated by SPARC SAWG on Sep 12, 2026

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, Improvision 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: 20260912T200407+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 60 mentions in open access literature.

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

Fabian-Fine R, et al. (2026) Uncovering the invisible giant: Amyloid beta plaques and their proposed association with waste removal in Alzheimer-affected human hippocampus. Research square.

Charpentier LA, et al. (2026) Polymicrobial extracellular vesicles reduce the innate immune response of human cystic fibrosis bronchial epithelial cells. 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.

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.

Murray EC, et al. (2026) ARHGAP18 complexes with both YAP and Merlin and is required for basal actin bundles. *Molecular biology of the cell*, 37(7), ar75.

Tharp WG, et al. (2026) Regional Alveolar Damage Despite Lung Protective Ventilation Settings During Robotic-Assisted Laparoscopic Surgery. *Anesthesia and analgesia*.

Braet F, et al. (2026) From lipofuscin accumulation to cellular dysfunction: a focus on liver pathophysiology. *Histochemistry and cell biology*, 164(1).

Azidhak S, et al. (2026) Transmission electron microscopy characterisation of Spirulina bioplastics. *Journal of microscopy*, 303(1), 101.

Cech BT, et al. (2026) Direct Measurement of Protein Corona Thickness on Nanomaterials Using Dual-Color Stochastic Optical Reconstruction Microscopy (STORM). *Small methods*, e02394.

Shukla GS, et al. (2026) Tumor-specific antibody cocktail treatment suppresses colorectal tumor growth in mice. *Cancer immunology, immunotherapy : CII*, 75(3).

Li A, et al. (2026) Cellular accumulation of lipofuscin in the heart: implications in health and disease. *Histochemistry and cell biology*, 164(1).

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.

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

Gebril M, et al. (2025) Extracellular matrix reorganization during endometrial decidualization. *Histochemistry and cell biology*, 163(1), 84.

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

Harper M, et al. (2025) Low-frequency Raman spectra of amyloid fibrils. *The Journal of chemical physics*, 162(21).

Mustafa R, et al. (2025) Revealing two distinct molecular binding modes in polyethyleneimine-DNA polyplexes using infrared spectroscopy. *Soft matter*, 21(21), 4192.

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.

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.