Resource Summary Report

Generated by RRID on May 15, 2025

University of Minnesota University Imaging Centers Core Facility

RRID:SCR_020997

Type: Tool

Proper Citation

University of Minnesota University Imaging Centers Core Facility (RRID:SCR_020997)

Resource Information

URL: https://med.umn.edu/uic

Proper Citation: University of Minnesota University Imaging Centers Core Facility (RRID:SCR 020997)

Description: Center composes network of core imaging facility locations for advanced optical imaging and basic electron microscopy located within the AHC/Medical School (1-151 Jackson Hall, Minneapolis) and College of Biological Sciences (23 Snyder Hall, St. Paul) on the University of Minnesota Twin Cities Campus.UIC cores serve internal and external research clients in design of imaging experiments, choice of and training on suitable imaging systems, and subsequent image processing, visualization and analysis.Provides advanced imaging systems including macro spectral confocal microscopy,wide-field light and fluorescence microscopy, spinning disk confocal, laser-scanning confocal microscopes, multi photon/Second Harmonic Generation microscopes, total internal reflectance microscope, laser capture micro-dissection, live cell imaging systems, scanning and transmission electron microscopy, whole animal fluorescence, bioluminescence and chemiluminescence imagers, gel, print and film scanners, poster printers, full sample preparation capabilities.

Abbreviations: UIC

Synonyms: University Imaging Centers, Minnesota University Imaging Centers, University of Minnesota Imaging Centers

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

Keywords: USEDit, imaging facility, electron microscopy, University of Minnesota Twin Cities Campus, ABRF

Funding:

Availability: open

Resource Name: University of Minnesota University Imaging Centers Core Facility

Resource ID: SCR_020997

Alternate IDs: ABRF_466

Alternate URLs: https://coremarketplace.org/?FacilityID=466

Old URLs: http://www.uic.umn.edu

Record Creation Time: 20220129T080353+0000

Record Last Update: 20250514T061901+0000

Ratings and Alerts

No rating or validation information has been found for University of Minnesota University Imaging Centers Core Facility.

No alerts have been found for University of Minnesota University Imaging Centers Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Rogers CB, et al. (2025) Cell Type Specific Suppression of Hyper-Recombination by Human RAD18 Is Linked to Proliferating Cell Nuclear Antigen K164 Ubiquitination. Biomolecules, 15(1).

Block AM, et al. (2024) Transposon sequencing reveals metabolic pathways essential for Mycobacterium tuberculosis infection. PLoS pathogens, 20(3), e1011663.

Oram MK, et al. (2024) RNF4 prevents genomic instability caused by chronic DNA underreplication. DNA repair, 135, 103646. Mulholland HN, et al. (2024) All-optical interrogation of millimeter-scale networks and application to developing ferret cortex. Journal of neuroscience methods, 403, 110051.

Rollman TB, et al. (2024) Human trophoblast stem cells restrict human cytomegalovirus replication. Journal of virology, 98(4), e0193523.

Mulholland HN, et al. (2024) Self-organization of modular activity in immature cortical networks. Nature communications, 15(1), 4145.

Mulholland HN, et al. (2024) Self-organization of modular activity in immature cortical networks. bioRxiv: the preprint server for biology.

Schmit MM, et al. (2024) A critical threshold of MCM10 is required to maintain genome stability during differentiation of induced pluripotent stem cells into natural killer cells. Open biology, 14(1), 230407.

Anderson MJM, et al. (2024) Molecular basis of proteolytic cleavage regulation by the extracellular matrix receptor dystroglycan. Structure (London, England: 1993).

Ampudia-Mesias E, et al. (2024) The OTX2 Gene Induces Tumor Growth and Triggers Leptomeningeal Metastasis by Regulating the mTORC2 Signaling Pathway in Group 3 Medulloblastomas. International journal of molecular sciences, 25(8).

Bou Daher F, et al. (2024) Xyloglucan deficiency leads to a reduction in turgor pressure and changes in cell wall properties, affecting early seedling establishment. Current biology: CB, 34(10), 2094.

Bijwadia SR, et al. (2023) Exploring skeletal muscle tolerance and whole-body metabolic effects of FDA-approved drugs in a volumetric muscle loss model. Physiological reports, 11(12), e15756.

Block AM, et al. (2023) Mycobacterium tuberculosis Requires the Outer Membrane Lipid Phthiocerol Dimycocerosate for Starvation-Induced Antibiotic Tolerance. mSystems, 8(1), e0069922.

Basten AM, et al. (2023) Early initiation of electrical stimulation paired with range of motion after a volumetric muscle loss injury does not benefit muscle function. Experimental physiology, 108(1), 76.

Leung W, et al. (2023) FANCD2-dependent mitotic DNA synthesis relies on PCNA K164 ubiquitination. Cell reports, 42(12), 113523.

Raymond-Pope CJ, et al. (2023) Medial gastrocnemius muscle properties of children with cerebral palsy after different tone treatments - a pilot study. American journal of physical medicine & rehabilitation.

Mahr RM, et al. (2023) Mitochondrial citrate metabolism and efflux regulate BeWo differentiation. Scientific reports, 13(1), 7387.

Reghuvaran AC, et al. (2023) Comparative evaluation of glomerular morphometric techniques reveals differential technical artifacts between focal segmental glomerulosclerosis and normal glomeruli. Physiological reports, 11(13), e15688.

Kennedy PR, et al. (2023) A tri-specific killer engager against mesothelin targets NK cells towards lung cancer. Frontiers in immunology, 14, 1060905.

Sadler F, et al. (2023) Autoregulation of GPCR signalling through the third intracellular loop. Nature, 615(7953), 734.