

Resource Summary Report

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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>

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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: core facility, service resource, access service resource

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

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: 20260731T043053+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 43 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Roloff ZA, et al. (2025) Myosin relaxation states in skeletal muscle fibers of rats and mice: Effects of sex and adiposity. *Physiological reports*, 13(7), e70336.

Crawford A, et al. (2025) Modulation of Filopodial Myosin Function. *bioRxiv : the preprint server for biology*.

Blanco Mendana J, et al. (2025) Deterministic genetic barcoding for multiplexed behavioral and single-cell transcriptomic studies. *eLife*, 12.

Burrack AL, et al. (2025) IL-15 complex enhances therapeutic efficacy of anti-PD-L1 in a T cell-dependent and NK cell-independent manner in a murine model of pancreatic ductal adenocarcinoma. *Journal of immunology (Baltimore, Md. : 1950)*, 214(12), 3228.

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).

Sorensen JR, et al. (2025) Inhibition of ErbB2 mitigates secondary denervation after traumatic muscle injury. *The Journal of physiology*, 603(23), 7531.

Bruzina AS, et al. (2025) Accumulation of lipids after acute direct and indirect traumatic injuries in male and female mice. *BMC musculoskeletal disorders*, 26(1), 932.

Hoffmann MD, et al. (2025) Protein Carrier Adeno-Associated Virus. *ACS nano*, 19(12), 12308.

Adke AP, et al. (2025) VGF in the Nucleus Accumbens Regulates Synaptic and Opioid-Evoked Plasticity. *bioRxiv : the preprint server for biology*.

Neisch AL, et al. (2025) Dynein-driven regulation of postsynaptic membrane architecture and synaptic function. *Journal of cell science*, 138(5).

Wong TY, et al. (2025) Kupyaphores?Self-Assembling Diisocyanolipopeptide ZnII Ionophores in Mycobacterium tuberculosis ZnII/CuI/II Homeostasis and Antibacterial Effects. *Journal of the American Chemical Society*, 147(44), 40652.

Dick RM, et al. (2025) Synaptic Dysfunction and Compensation After NMDA Receptor Ablation in the Mouse Medial Prefrontal Cortex. *bioRxiv : the preprint server for biology*.

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 under-replication. *DNA repair*, 135, 103646.

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

Mulholland HN, et al. (2024) All-optical interrogation of millimeter-scale networks and application to developing ferret cortex. *Journal of neuroscience methods*, 403, 110051.

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.

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*.