

Resource Summary Report

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University of Chicago Integrated Light Microscopy Core Facility

RRID:SCR_019197

Type: Tool

Proper Citation

University of Chicago Integrated Light Microscopy Core Facility (RRID:SCR_019197)

Resource Information

URL: <https://voices.uchicago.edu/confocal/>

Proper Citation: University of Chicago Integrated Light Microscopy Core Facility (RRID:SCR_019197)

Description: Offers microscopy imaging, including bright field color and DIC, fluorescence multi-dimension, TIRFM including bleaching, ablation, FLIM and high resolution, highspeed, high sensitivity, confocal, and physiologic techniques, STED, GSD3D, lightsheet selective plane illumination and lattice lightsheet structured illumination super resolution microscopy.

Synonyms: Integrated Light Microscopy

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

Keywords: USEDit, microscopy, imaging, super resolution microscopy, confocal, fluorescence, physiologic techniques, ABRF, ABRF

Funding: NCI P30 CA014599

Resource Name: University of Chicago Integrated Light Microscopy Core Facility

Resource ID: SCR_019197

Alternate IDs: ABRF_1083

Alternate URLs: <https://coremarketplace.org/?FacilityID=1083>

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260905T133419+0000

Ratings and Alerts

No rating or validation information has been found for University of Chicago Integrated Light Microscopy Core Facility.

No alerts have been found for University of Chicago Integrated Light Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Ogorek AN, et al. (2026) Directed Evolution of Enzymes for Bioorthogonal Chemistry Using Acid Chloride Proximity Labeling. ACS central science, 12(2), 185.

Krahn AH, et al. (2026) Functional assignment of Golgi-associated vesicle tethers to specific membrane recycling pathways. bioRxiv : the preprint server for biology.

Bogdanovi?? JV, et al. (2026) Large RNA polymerase II condensates are promoter-centric assemblies associated with early stages of transcription at all expressed genes. bioRxiv : the preprint server for biology.

Tai HC, et al. (2026) Induction of adipocyte thermogenic program by Rho-associated coiled-coil containing kinase 2. iScience, 29(4), 115225.

Olson CS, et al. (2026) Multiple Longitudinal Tracts in the Cephalopod Arm Sensorimotor System. The Journal of comparative neurology, 534(5), e70165.

McDonald DW, et al. (2026) Mitochondrial respiration modulates Hsf1 activation and the heat shock response. bioRxiv : the preprint server for biology.

Dea A, et al. (2026) Physiological architecture and evolutionary origins of cellular adaptability. bioRxiv : the preprint server for biology.

Granados ST, et al. (2026) Mechanism of action of two potent LRRC8/VRAC channel inhibitors. Research square.

Jiang A, et al. (2026) Distinct CA3 inputs differentially shape the learning-dependent evolution of right CA1 spatial maps. Nature communications, 17(1).

Chen D, et al. (2026) Radiotherapy induces YTHDF2 in dendritic cells impairing cross-presentation and T cell function. The Journal of experimental medicine, 223(1).

Yang Z, et al. (2026) Targeting the m6A RNA demethylase FTO enhances UVB-induced DNA damage repair and suppresses skin tumor growth. Photochemistry and photobiology, 102(3), 676.

Jotte MRM, et al. (2025) Multiplex gene editing models of del(7q) reveal combined CUX1 and EZH2 loss drives clonal expansion and drug resistance. *Blood neoplasia*, 2(2), 100083.

Jonker PB, et al. (2025) Microenvironmental arginine restriction sensitizes pancreatic cancers to polyunsaturated fatty acids by suppression of lipid synthesis. *bioRxiv : the preprint server for biology*.

Chowdhary S, et al. (2025) Emergent 3D genome reorganization from the stepwise assembly of transcriptional condensates. *bioRxiv : the preprint server for biology*.

O'Leary KM, et al. (2025) Conformation-specific synthetic intrabodies modulate mTOR signaling with subcellular spatial resolution. *Proceedings of the National Academy of Sciences of the United States of America*, 122(24), e2424679122.

Glauninger H, et al. (2025) Transcriptome-wide mRNP condensation precedes stress granule formation and excludes new mRNAs. *Molecular cell*, 85(23), 4393.

Umans BD, et al. (2025) Oxygen-induced stress reveals context-specific gene regulatory effects in human brain organoids. *Genome research*, 35(8), 1689.

Sheikh ZA, et al. (2025) Deep Learning for Predicting Spheroid Viability: Novel Convolutional Neural Network Model for Automating Quality Control for Three-Dimensional Bioprinting. *Bioengineering (Basel, Switzerland)*, 12(1).

Krahn AH, et al. (2025) COPI-dependent intra-Golgi recycling at an intermediate stage of cisternal maturation. *bioRxiv : the preprint server for biology*.

Wai S, et al. (2025) Zwitterionic hydrogel designs for conducting polymers enable bioelectronics with suppressed foreign body responses. *bioRxiv : the preprint server for biology*.