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/

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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: core facility, service resource, access 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: 20260731T043047+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 50 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

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

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.

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.

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

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.

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).

Olson CS, et al. (2025) Neuronal segmentation in cephalopod arms. Nature communications, 16(1), 443.

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.

Olson CS, et al. (2025) Molecular and morphological circuitry of the octopus sucker ganglion. bioRxiv : the preprint server for biology.

Busch SE, et al. (2025) Non-allometric expansion and enhanced compartmentalization of Purkinje cell dendrites in the human cerebellum. eLife, 14.

Rao ER, et al. (2025) Calcium channel-coupled transcription factors facilitate direct nuclear signaling. Research square.

Li H, et al. (2025) SSB cooperates with METTL16-mediated m6A RNA methylation to promote chemoresistance in colorectal cancer cells. Cell reports, 44(7), 115926.

Memi?o?lu G, et al. (2025) The Mediator Kinase Module regulates cell cycle re-entry and transcriptional responses following DNA damage. bioRxiv : the preprint server for biology.

Wilkinson E, et al. (2025) Arsenic regulates ALKBH1 abundance and substrate specificity to promote translation and tumorigenicity. Cell reports, 44(10), 116311.

Sheehan C, et al. (2025) Tumor nutrient stress gives rise to a drug tolerant cell state in pancreatic cancer. bioRxiv : the preprint server for biology.

Olson CS, et al. (2025) Molecular and Morphological Circuitry of the Octopus Sucker Ganglion. The Journal of comparative neurology, 533(5), e70055.

Yang S, et al. (2025) YTHDF2 regulates self non-coding RNA metabolism to control inflammation and tumorigenesis. Nature communications, 16(1), 9946.

Olson CS, et al. (2025) Multiple longitudinal tracts in the cephalopod arm sensorimotor system. bioRxiv : the preprint server for biology.