

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: 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: 20250424T065614+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 27 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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

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).

Sundland RM, et al. (2025) Sonopermeation With Size-sorted Microbubbles Synergistically Increases Survival and Enhances Tumor Apoptosis With L-DOX by Increasing Vascular Permeability and Perfusion in Neuroblastoma Xenografts. Ultrasound in medicine & biology, 51(2), 348.

Glauninger H, et al. (2024) Transcriptome-wide mRNA condensation precedes stress granule formation and excludes stress-induced transcripts. bioRxiv : the preprint server for biology.

Olson CS, et al. (2024) Neuronal segmentation in cephalopod arms. Research square.

Umans BD, et al. (2024) Oxygen-induced stress reveals context-specific gene regulatory effects in human brain organoids. bioRxiv : the preprint server for biology.

Busch SE, et al. (2024) Non-allometric expansion and enhanced compartmentalization of Purkinje cell dendrites in the human cerebellum. bioRxiv : the preprint server for biology.

Olson CS, et al. (2024) Neuronal segmentation in cephalopod arms. *bioRxiv : the preprint server for biology*.

Garde R, et al. (2024) Feedback control of the heat shock response by spatiotemporal regulation of Hsp70. *bioRxiv : the preprint server for biology*.

Pani S, et al. (2024) Bioorthogonal masked acylating agents for proximity-dependent RNA labelling. *Nature chemistry*, 16(5), 717.

Wang P, et al. (2024) Low-affinity CD8⁺ T cells provide interclonal help to high-affinity CD8⁺ T cells to augment alloimmunity. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*.

García-Bayona L, et al. (2024) A pervasive large conjugative plasmid mediates multispecies biofilm formation in the intestinal microbiota increasing resilience to perturbations. *bioRxiv : the preprint server for biology*.

Emeršič T, et al. (2024) Stable Non-equilibrium Structures in Chiral Nematics under Microfluidic Flow. *The journal of physical chemistry. B*, 128(46), 11441.

Lainé M, et al. (2024) Lasofoxifene as a potential treatment for aromatase inhibitor-resistant ER-positive breast cancer. *Breast cancer research : BCR*, 26(1), 95.

Grabner CP, et al. (2024) Author Correction: Mechanisms of simultaneous linear and nonlinear computations at the mammalian cone photoreceptor synapse. *Nature communications*, 15(1), 2494.

Grabner CP, et al. (2023) Mechanisms of simultaneous linear and nonlinear computations at the mammalian cone photoreceptor synapse. *Nature communications*, 14(1), 3486.

Bellary A, et al. (2023) Non-viral nitric oxide-based gene therapy improves perfusion and liposomal doxorubicin sonopermeation in neuroblastoma models. *Theranostics*, 13(10), 3402.

Bajwa P, et al. (2023) Cancer-associated mesothelial cell-derived ANGPTL4 and STC1 promote the early steps of ovarian cancer metastasis. *JCI insight*, 8(6).

Minogue PJ, et al. (2023) A crystallin mutant cataract with mineral deposits. *The Journal of biological chemistry*, 299(8), 104935.

Bernardino PN, et al. (2023) A humanized monoclonal antibody targeting protein a promotes opsonophagocytosis of *Staphylococcus aureus* in human umbilical cord blood. *Vaccine*, 41(35), 5079.