Resource Summary Report

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Northwestern University Biological Imaging Core Facility

RRID:SCR_017767
Type: Tool

Proper Citation

Northwestern University Biological Imaging Core Facility (RRID:SCR_017767)

Resource Information

URL: https://www.bif.northwestern.edu/

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Description: Shared use and training facility. Servies include Confocal Laser Scanning Microscopy, DIC (Differential Interference Contrast Microscopy), FCS (Fluorescence Correlation Spectroscopy), FLIP (Fluorescence-Loss-In-Photobleaching), FRAP (Fluorescence Recovery After Photobleaching),FRET (Fluorescence/ Forster Resonance Energy Transfer),Live-cell Imaging,Phase Contrast Microscopy,Widefield Fluorescence Microscopy,Image Processing and Analysis. Services include poster printing, and specimen preparation. Provides training for most instruments. Instruments include Leica DM6B Fluorescent Microscope (Hogan 5-112), Leica TCS SP8 Confocal Microscope (Hogan 5-128),Leica SP5 II Confocal Microscope (Hogan 5-114),Leica Spinning Disk Confocal Microscope (Hogan 5-113),DeltaVision Deconvolution Microscope (Hogan 5-111),Olympus IX83 Inverted Fluorescent Microscope (Silverman Hall 1-567),Olympus IX53 Inverted Color Microscope (Silverman Hall 1-567), LionHeart Automated Microscope BioTeck (Hogan 5-110).

Abbreviations: BIF

Synonyms: Northwestern University Biological Imaging Facility, Advanced Molecular Imaging Facility

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

Keywords: Imaging, training, speciment, preparation, poster, printing, microscopy, image, analysis, light, confocal, fluorescent, microsope, service, core, ABRF

Funding:

Availability: Open

Resource Name: Northwestern University Biological Imaging Core Facility

Resource ID: SCR_017767

Alternate IDs: SCR_017875, SCR_018269, ABRF_725, ABRF_306, ABRF_855

Alternate URLs: https://coremarketplace.org/?FacilityID=855

Record Creation Time: 20220129T080336+0000

Record Last Update: 20250426T060640+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Biological Imaging Core Facility.

No alerts have been found for Northwestern University Biological Imaging Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Cai T, et al. (2025) Creating chromaticity palettes and identifying white light emitters through nanocrystal megalibraries. Science advances, 11(3), eads4453.

Li Z, et al. (2024) DNA-mediated assembly of Au bipyramids into anisotropic light emitting kagome superlattices. Science advances, 10(29), eadp3756.

Choi W, et al. (2024) Proteomimetic polymer blocks mitochondrial damage, rescues Huntington's neurons, and slows onset of neuropathology in vivo. Science advances, 10(44), eado8307.

Casler JC, et al. (2024) Mitochondria-ER-PM contacts regulate mitochondrial division and PI(4)P distribution. The Journal of cell biology, 223(9).

Keate RL, et al. (2024) Decoupling the Influence of Poly(3,4-Ethylenedioxythiophene)-Collagen Composite Characteristics on Cell Stemness. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e2305562.

Shim AR, et al. (2024) Formamide denaturation of double-stranded DNA for fluorescence in situ hybridization (FISH) distorts nanoscale chromatin structure. PloS one, 19(5), e0301000.

Goedegebuure M, et al. (2024) A biodegradable microgrooved and tissue mechanocompatible citrate-based scaffold improves bladder tissue regeneration. Bioactive materials, 41, 553.

Pujadas Liwag EM, et al. (2024) Nuclear blebs are associated with destabilized chromatin packing domains. bioRxiv : the preprint server for biology.

Su P, et al. (2024) Single Cell Analysis of Proteoforms. Journal of proteome research, 23(6), 1883.

Carrow KP, et al. (2024) Inhibiting the Keap1/Nrf2 Protein-Protein Interaction with Protein-Like Polymers. Advanced materials (Deerfield Beach, Fla.), e2311467.

Nyberg KG, et al. (2024) Robust and heritable knockdown of gene expression using a self-cleaving ribozyme in Drosophila. Genetics, 227(4).

Goedegebuure M, et al. (2024) A biodegradable microgrooved and tissue mechanocompatible citrate-based scaffold improves bladder tissue regeneration. bioRxiv : the preprint server for biology.

Contreras E, et al. (2023) Melanopsin activates divergent phototransduction pathways in intrinsically photosensitive retinal ganglion cell subtypes. eLife, 12.

Harper CS, et al. (2023) Temporal control of contact site formation reveals a relationship between mitochondrial division and Num1-mediated mitochondrial tethering. Molecular biology of the cell, 34(11), ar108.

Sha F, et al. (2023) Rationally Tailored Mesoporous Hosts for Optimal Protein Encapsulation. Journal of the American Chemical Society, 145(30), 16383.

Choi W, et al. (2023) Thrombospondin-1 proteomimetic polymers exhibit anti-angiogenic activity in a neovascular age-related macular degeneration mouse model. Science advances, 9(41), eadi8534.

David AHG, et al. (2023) Divinylanthracene-Containing Tetracationic Organic Cyclophane with Near-Infrared Photoluminescence. Journal of the American Chemical Society, 145(16), 9182.

Ramani N, et al. (2023) Spatially-Encoding Hydrogels with DNA to Control Cell Signaling. Advanced materials (Deerfield Beach, Fla.), e2301086.

Stranford DM, et al. (2023) Genetically encoding multiple functionalities into extracellular vesicles for the targeted delivery of biologics to T cells. Nature biomedical engineering.

Anderson HL, et al. (2022) Hierarchical integration of mitochondrial and nuclear positioning pathways by the Num1 EF hand. Molecular biology of the cell, 33(2), ar20.