

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. Services 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, service resource, access service resource

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

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: 20260731T043014+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 71 mentions in open access literature.

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

Gao Z, et al. (2026) Toward development of a dynamic supramolecular peptide therapy for acute ischemic stroke. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, e00820.

Valnegri P, et al. (2026) Neuronal Activity Suppresses NEUROD-Dependent Transcription and Genome Organization. *The Journal of neuroscience : the official journal of the Society for Neuroscience*.

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

Ray MW, et al. (2025) The Volume of Mitochondria Inherited Impacts mtDNA Homeostasis in Budding Yeast. *bioRxiv : the preprint server for biology*.

Bond CE, et al. (2025) Gli pathway-targeted Co(iii) Schiff base complexes inhibit migration of basal cell carcinoma cells. *RSC advances*, 15(11), 8572.

Zelenetz SR, et al. (2025) Pinocytosis inhibitory nanoparticles enhance aPD-1 antibody delivery and efficacy while avoiding toxicity in the treatment of solid tumors. *Nanoscale horizons*, 10(9), 2003.

Elmansy MF, et al. (2025) Modifications of NU-9, a potent protein aggregation inhibitor. Properties and activity in a cellular model of amyotrophic lateral sclerosis. *Bioorganic chemistry*, 167, 109190.

Gargus ES, et al. (2025) Short-term moderate caloric restriction in the rhesus macaque attenuates markers of ovarian aging in select populations. *Aging*, 17(5), 1164.

Scrutton Alvarado NJ, et al. (2025) Reorganization of the heterochromatin-associated gene-dense subcompartment in early neuronal development. *Biology open*, 14(5).

Johnson EA, et al. (2025) Inhibition of amyloid beta oligomer accumulation by NU-9: A unifying mechanism for the treatment of neurodegenerative diseases. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2402117122.

Kayaalp Nalbant E, et al. (2025) A novel therapy to ameliorate nitrogen mustard-induced limbal stem cell deficiency using lipoprotein-like nanoparticles. *NPJ Regenerative medicine*, 10(1), 14.

Kranz DL, et al. (2025) Identification of a glia-associated amyloid β oligomer subtype and the rescue from reactive astrogliosis by inhibitor NU-9. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(12), e70968.

Luo T, et al. (2025) Chemotherapeutic Spherical Nucleic Acids. *ACS nano*, 19(44), 38861.

Payán Parra OA, et al. (2025) Cohesin regulation of genome organization in mature granule neurons in the mouse cerebellum. *Epigenetics & chromatin*, 18(1), 60.

Scariot DB, et al. (2025) Efficacy of benzimidazole delivery during Chagas disease nanotherapy is dependent on the nanocarrier morphology. *Biomaterials*, 322, 123358.

Shin D, et al. (2025) A-Cation-Dependent Structure-Optical Property Relationships of Halide Perovskite Heterostructures with Complex Interfaces. *Journal of the American Chemical Society*, 147(42), 38225.

Brotherton AR, et al. (2025) Gadolinium-Conjugated Lipoic Acid Hydrogels for Magnetic Resonance Imaging. *ACS applied bio materials*, 8(7), 5903.

Sykora DJ, et al. (2025) The Role of MegaMolecule Antibody Structure in Internalization and Signaling. *ACS chemical biology*, 20(8), 2014.

Luo T, et al. (2025) Cleavable Hydrophobic Anchors Optimize Immunomodulatory Effects of Oligonucleotides. *Journal of the American Chemical Society*, 147(42), 38907.

Nyberg KG, et al. (2025) Ribozyme-Mediated Knockdown of lncRNA Gene Expression in *Drosophila*. *Bio-protocol*, 15(20), e5477.