

Resource Summary Report

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Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility

RRID:SCR_020996

Type: Tool

Proper Citation

Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility (RRID:SCR_020996)

Resource Information

URL: <https://www.feinberg.northwestern.edu/sites/cam/>

Proper Citation: Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility (RRID:SCR_020996)

Description: Core offers instrumentation and services for study of biological processes at whole animal, tissue, cellular and subcellular levels. This includes light microscopy, electron microscopy and image analysis. Light microscopy offerings include super resolution microscopy (MINFLUX, STED, NSPARC, SORA), fluorescent laser scanning and spinning disk microscopy, fluorescent lifetime imaging, automated high throughput tissue cytometry, atomic force microscopy, laser capture microdissection, multiphoton imaging, and whole animal bioluminescent and fluorescent imaging. Electron microscopy includes sample prep and imaging for TEM, SEM, platinum replicas, immuno gold and CLEM. We also provide microinjection equipment, chambers for stable live cell observation, and anesthesia equipment. CAM provides training on numerous different instrument platforms, consultation on experiment design, as well as digital image processing and image analysis. CAM is one of two Nikon Imaging Centers in the US, allowing us access and excellent support from Nikon to develop innovative solutions for the cutting edge imaging needs of users.

Abbreviations: CAM

Synonyms: Center for Advanced Microscopy and Nikon Imaging Center, Northwestern University Center for Advanced Microscopy and Nikon Imaging Center

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

Keywords: ABRF, microscopy services,

Funding: NCI CA060553

Availability: open

Resource Name: Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility

Resource ID: SCR_020996

Alternate IDs: ABRF_718

Alternate URLs: <https://coremarketplace.org/?FacilityID=718>

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260810T040752+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility.

No alerts have been found for Northwestern University Feinberg School of Medicine Center for Advanced Microscopy and Nikon Imaging Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Vesevick DR, et al. (2026) Neuroprotective Effects of RNS60 in TDP-43 Pathology-Associated Amyotrophic Lateral Sclerosis. Muscle & nerve, 74(2), 463.

Corano Scheri K, et al. (2026) Müller cell glutamine metabolism links photoreceptor and endothelial injury in diabetic retinopathy. Life science alliance, 9(2).

Piehl NC, et al. (2026) Loss of Brain-Derived Estrogen Is Associated With Sex- and Age-Dependent Alterations in Memory, Affective Behavior, and Hippocampal Extracellular Matrix Gene Expression. Aging cell, 25(6), e70551.

Ledwon JK, et al. (2026) Divergent effects of topical deferoxamine treatment on skin and cancer cells uncovers its potential as a safe radioprotective agent in oncological applications. Cancer cell international, 26(1).

Tripathi S, et al. (2026) STING-induced blood-brain barrier opening combined with radiotherapy potentiates antitumor response in a high-grade glioma model. *The Journal of clinical investigation*, 136(4).

Popovi? J, et al. (2026) Changes in EGFR activity following CRISPR/Cas9-editing of the EGF binding domain. *Scientific reports*, 16(1), 6797.

Quezada MJ, et al. (2026) Multiscale 3D microfluidic platform for intraorganoid delivery. *Research square*.

Zarkoob H, et al. (2026) RhoGEF Ect2 supports RhoA activity at cell-cell junctions through desmoplakin. *Life science alliance*, 9(6).

Sadleir KR, et al. (2026) Neuronal overexpression of Nrf2 reduces dystrophic neurites in 5XFAD Alzheimer's disease model mice. *bioRxiv : the preprint server for biology*.

Richevaux L, et al. (2026) Circuit organization of the forelimb-related M2-to-M1 corticocortical pathway in the mouse. *bioRxiv : the preprint server for biology*.

Mencacci NE, et al. (2026) Pathogenic variants in BORCS5 cause a spectrum of neurodevelopmental and neurodegenerative disorders with lysosomal dysfunction. *The Journal of clinical investigation*, 136(11).

Tam SB, et al. (2026) A role for the cholinergic neuron circadian clock in RNA metabolism and mediating neurodegeneration. *Life science alliance*, 9(3).

Xie X, et al. (2026) Biohybrid Robots with Embedded Conductive Fibers for Actuation, Sensing, and Closed-loop Control. *bioRxiv : the preprint server for biology*.

Thayer KR, et al. (2026) Identity, ontogeny, and age-related changes in splenic white pulp macrophages in mouse and human spleen. *bioRxiv : the preprint server for biology*.

Lemire CA, et al. (2026) Perivascular Macrophages Are Associated With Permissive Sites of Immune Cell Extravasation in Retinal Venules. *Investigative ophthalmology & visual science*, 67(5), 66.

Dos Santos M, et al. (2026) Soluble β -1, altered in disease CSF, modulates network homeostasis and rescues deficits in a neuropsychiatric mouse model. *Neuron*, 114(12), 2128.

Rakotomamonjy J, et al. (2026) Novel PCDH12 pathogenic missense variants cause neurodevelopmental disorders with ocular malformation. *medRxiv : the preprint server for health sciences*.

John NW, et al. (2026) Sustained Local Delivery of Sodium Butyrate To Support Muscle Recovery in a Murine Model of Hindlimb Ischemia. *ACS applied bio materials*, 9(4), 2315.

Thompson K, et al. (2026) Making the invisible visible: A global examination of careers and recognition for Imaging Scientists in core facilities. *Journal of microscopy*, 302(3), 274.

Perez RE, et al. (2026) SLFN5 restrains type I interferon responses and promotes glioblastoma via its N-terminal Schlafen core domain. *Communications biology*.