

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: 20260801T191245+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 30 mentions in open access literature.

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

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

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

Koo C, et al. (2026) Sex-specific hearing loss in Sirt3 knockout mice and attenuation by honokiol. Hearing research, 470, 109502.

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.

Bresteau E, et al. (2025) Apical size reduction by macropinocytosis alleviates tissue crowding. Nature communications, 16(1), 5338.

Spurgin S, et al. (2025) Dynamics of primary cilia in endothelial and mesenchymal cells throughout mouse lung development. *Developmental dynamics : an official publication of the American Association of Anatomists*.

Medharametla S, et al. (2025) Abnormalities in the genioglossus muscle and its neuromuscular synapse in leptin-deficient male mice. *Skeletal muscle*, 15(1), 18.

García-Gómez I, et al. (2025) Targeted cell interconversions reveal inner hair cell control of organ of Corti cytoarchitecture. *Science advances*, 11(44), eadz3944.

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.

Geslewitz WE, et al. (2025) CRISPRi-mediated repression of three cI repressors induces the expression of three related *Neisseria gonorrhoeae* bacteriophages. *Journal of bacteriology*, 207(6), e0004925.

Yang Y, et al. (2025) Androgen receptor-regulated lncRNA PRCAT71 promotes AR signaling through the interaction with KHSRP in prostate cancer. *Science advances*, 11(15), eadk6989.

Liu E, et al. (2025) G1 and G2 ApolipoproteinL1 modulate macrophage inflammation and lipid accumulation through the polyamine pathway. *bioRxiv : the preprint server for biology*.

Sadleir KR, et al. (2025) Annexin A6 membrane repair protein protects against amyloid-induced dystrophic neurites and tau phosphorylation in Alzheimer's disease model mice. *Acta neuropathologica*, 149(1), 51.

Coy-Dibley J, et al. (2025) Keratinocyte-derived extracellular vesicles in painful diabetic neuropathy. *Neurobiology of pain (Cambridge, Mass.)*, 17, 100176.

Piña Novo D, et al. (2025) Cortical dynamics in hand/forelimb S1 and M1 evoked by brief photostimulation of the mouse's hand. *eLife*, 14.

Costa RM, et al. (2025) Cognitive processes are disentangled at cortex-wide scales. *bioRxiv : the preprint server for biology*.

Walters JB, et al. (2025) The Impact of Brain-Derived Neurotrophic Factor rs6265 (Val66Met) Polymorphism on Therapeutic Electrical Stimulation for Peripheral Nerve Regeneration: A Preclinical Study of Therapy-Genotype Interactions. *Muscle & nerve*, 72(1), 149.

Foo CZ, et al. (2025) Differential Chromatin Accessibility, Gene Expression, and mRNA Splicing Between Developing Cochlear Inner and Outer Hair Cells. *Journal of the Association for Research in Otolaryngology : JARO*.

Clutter ED, et al. (2025) Inhibitor of DNA-Binding 3 Is a Novel Regulator of Limbal Epithelial Cell Migration Via the EphA2/Akt Signaling Pathway. *Investigative ophthalmology & visual science*, 66(9), 2.

Converse A, et al. (2025) Multinucleated giant cells are hallmarks of ovarian aging with unique immune and degradation-associated molecular signatures. PLoS biology, 23(6), e3003204.