Resource Summary Report

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Northwestern University Center for Advanced Molecular Imaging Core Facility

RRID:SCR_021192
Type: Tool

Proper Citation

Northwestern University Center for Advanced Molecular Imaging Core Facility (RRID:SCR_021192)

Resource Information

URL: https://cami.northwestern.edu/

Proper Citation: Northwestern University Center for Advanced Molecular Imaging Core Facility (RRID:SCR_021192)

Description: Provides access to range of preclinical imaging modalities and support services. These include MRI, nuclear imaging (PET, SPECT, and CT), in vivo bioluminescence and fluorescence imaging, animal housing and prep spaces, and tissue culture. Image analysis services are available, as are software packages (JIM, Amira, Matlab) and a workstation for users to perform their own data analysis. Imaging services can be provided for investigators' own animal models, or animal models can be supplied by the Developmental Therapeutics Core.

Abbreviations: CAMI

Synonyms: Northwestern University Center for Advanced Molecular Imaging (CAMI)

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

Keywords: USEDit, MRI, nuclear imaging, in vivo bioluminescence and fluorescence imaging, animal housing and prep spaces, tissue culture, image analysis, ABRF, micro PET, micro SPECT, micro CT

Funding: NCI CA060553;
NIH Office of the Director OD016398

Availability: open

Resource Name: Northwestern University Center for Advanced Molecular Imaging Core Facility

Resource ID: SCR_021192

Alternate IDs: ABRF_379

Alternate URLs: https://coremarketplace.org/?FacilityID=379

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260905T133420+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Center for Advanced Molecular Imaging Core Facility.

No alerts have been found for Northwestern University Center for Advanced Molecular Imaging Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Inglis J, et al. (2026) Biodistribution and Biodegradation of an Osteoinductive Supramolecular Polymer Implant in a Rat Spinal Fusion Model. Journal of functional biomaterials, 17(3).

Hwang J, et al. (2026) E711-19 placement and orientation dictate CD8+ T cell response in structurally defined spherical nucleic acid vaccines. Science advances, 12(7), eaec3876.

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

Liu N, et al. (2026) Shape-conformal porous frameworks for full coverage of neural organoids and high-resolution electrophysiology. Nature biomedical engineering.

Luo M, et al. (2026) An Enzyme-Responsive Gd(III) MRI Probe for Visualizing ?-Hexosaminidase A Activity. ACS sensors, 11(6), 4489.

Wu M, et al. (2026) Patterned wireless transcranial optogenetics generates artificial perception. Nature neuroscience, 29(1), 234.

Brotherton AR, et al. (2026) Tunable, High-Relaxivity Gd(III)-Conjugated Lipoic Acid Hydrogels for Magnetic Resonance Imaging. ACS applied materials & interfaces, 18(28), 38629.

Nernekli K, et al. (2025) MRI detection of senescent cells in porcine knee joints with a ?-galactosidase responsive Gd-chelate. Npj imaging, 3(1), 18.

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.

Zhang Y, et al. (2025) Millimetre-scale bioresorbable optoelectronic systems for electrotherapy. Nature, 640(8057), 77.

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

Luo M, et al. (2025) Alkaline Phosphatase-Targeted, Gadolinium-Labeled Nanoparticles for Enhanced Multimodal Imaging of Liver Cancer. ACS applied materials & interfaces, 17(19), 28000.

Wu M, et al. (2025) Analysis and management of thermal loads generated in vivo by miniaturized optoelectronic implantable devices. Device.

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

Waters EA, et al. (2024) Distribution of MRI-derived T2 values as a biomarker for in vivo rapid screening of phenotype severity in mdx mice. PloS one, 19(9), e0310551.

Kim M, et al. (2024) Personalized composite scaffolds for accelerated cell- and growth factor-free craniofacial bone regeneration. Bioactive materials, 41, 427.

Tang JH, et al. (2024) MR Imaging Reveals Dynamic Aggregation of Multivalent Glycoconjugates in Aqueous Solution. Inorganic chemistry.

Wu M, et al. (2024) Patterned wireless transcranial optogenetics generates artificial perception. bioRxiv : the preprint server for biology.

Su J, et al. (2024) Enabling Non-invasive Tracking of Vascular Endothelial Cells Derived from Induced Pluripotent Stem Cells Using Nuclear Imaging. Cardiovascular engineering and technology.

Hwang J, et al. (2024) DNA Anchoring Strength Directly Correlates with Spherical Nucleic Acid-Based HPV E7 Cancer Vaccine Potency. Nano letters, 24(25), 7629.