

# Resource Summary Report

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## Northwestern University Center for Advanced Molecular Imaging Core Facility

RRID:SCR\_021192

Type: Tool

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### Proper Citation

Northwestern University Center for Advanced Molecular Imaging Core Facility  
(RRID:SCR\_021192)

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### 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, service resource, core facility

**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:** 20260729T044513+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 20 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#).

Nernekli K, et al. (2025) MRI detection of senescent cells in porcine knee joints with a  $\beta$ -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.

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.

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

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

- 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*.
- 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.
- 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.
- 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*.
- McDonald SM, et al. (2023) Resorbable barrier polymers for flexible bioelectronics. *Nature communications*, 14(1), 7299.
- Waters EA, et al. (2023) New semi-automated tool for the quantitation of MR imaging to estimate in vivo muscle disease severity in mice. *bioRxiv : the preprint server for biology*.
- Burton A, et al. (2023) Fully implanted battery-free high power platform for chronic spinal and muscular functional electrical stimulation. *Nature communications*, 14(1), 7887.
- Tang JH, et al. (2023) Molecular Engineering of Self-Immolative Bioresponsive MR Probes. *Journal of the American Chemical Society*, 145(18), 10045.
- Yang Q, et al. (2022) High-speed, scanned laser structuring of multi-layered eco/bioresorbable materials for advanced electronic systems. *Nature communications*, 13(1), 6518.
- Choi YS, et al. (2022) A transient, closed-loop network of wireless, body-integrated devices for autonomous electrotherapy. *Science (New York, N.Y.)*, 376(6596), 1006.
- Yang Q, et al. (2021) Photocurable bioresorbable adhesives as functional interfaces between flexible bioelectronic devices and soft biological tissues. *Nature materials*, 20(11), 1559.
- Viola KL, et al. (2021) The Therapeutic and Diagnostic Potential of Amyloid ? Oligomers Selective Antibodies to Treat Alzheimer's Disease. *Frontiers in neuroscience*, 15, 768646.