

# Resource Summary Report

Generated by T1D on Jul 30, 2026

## University of Nebraska Medical Center Multiphoton Intravital and Tissue Imaging Core Facility

RRID:SCR\_022478

Type: Tool

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### Proper Citation

University of Nebraska Medical Center Multiphoton Intravital and Tissue Imaging Core Facility (RRID:SCR\_022478)

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### Resource Information

**URL:** <https://www.unmc.edu/vcr/cores/vcr-cores/small-animal-imaging/miti/index.html>

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**Description:** Core provides intravital imaging equipment to acquire advanced descriptive and quantitative data for imaging studies. Includes Olympus FVMPE-RS advanced multiphoton microscope, multichannel, multiphoton excitation system specifically tailored for intravital and deep tissue imaging. System is additionally equipped with 458 and 588 nm stimulation laser lines for photobleaching, light stimulation and/or photoactivation of various fluorescent or caged constructs. Uses Spectra-Physics InSight X3 dual-line, tunable multiphoton laser for ultrafast, multichannel imaging. Available Neurotar Mobile Home Cage allows researchers to integrate real-time imaging with behavioral/locomotion tracking. Offers training and access to imaging system, support in design of experimental procedures, acquisition of image data, and analysis of acquired images.

**Abbreviations:** MITI

**Synonyms:** University of Nebraska Medical Center UNMC Multiphoton Intravital & Tissue Imaging (MITI) Core, UNMC Multiphoton Intravital & Tissue Imaging (MITI) Core

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

**Keywords:** USEDit, ABRF, intravital imaging, imaging studies, tissue imaging

**Availability:** open

**Resource Name:** University of Nebraska Medical Center Multiphoton Intravital and Tissue Imaging Core Facility

**Resource ID:** SCR\_022478

**Alternate IDs:** ABRF\_1376

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1376&citation=1>

**Record Creation Time:** 20220614T050142+0000

**Record Last Update:** 20260729T044540+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Nebraska Medical Center Multiphoton Intravital and Tissue Imaging Core Facility.

No alerts have been found for University of Nebraska Medical Center Multiphoton Intravital and Tissue Imaging Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#) .

Kitzerow O, et al. (2025) Anatomical mapping of neural lineages expressing the transient receptor potential vanilloid type 1 receptor using a modified and combined PACT and CUBIC protocol for rapid tissue clearance. *Acta physiologica (Oxford, England)*, 241(2), e14275.

Dunne JB, et al. (2025) Spatial Proteomics of the Normal Breast Collagen Stroma: Links to BI-RADS Categories and Body Mass Index. *bioRxiv : the preprint server for biology*.

Alsamraae M, et al. (2023) Androgen receptor inhibition suppresses anti-tumor neutrophil response against bone metastatic prostate cancer via regulation of T??RI expression. *Cancer letters*, 579, 216468.