Resource Summary Report

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Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, Microscopy and Animal Cancer Models Core Facility

RRID:SCR_025077
Type: Tool

Proper Citation

Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, Microscopy and Animal Cancer Models Core Facility (RRID:SCR_025077)

Resource Information

URL: https://cancer.dartmouth.edu/scientists-researchers/irradiation-imaging-microscopy-animal-resource

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Description: Integrated core offers services in Irradiation, pre-clinical imaging of small and large animals, light and electron microscopy, large and small animal cancer models. Irradiation Section assists investigators in radiation treatment planning and delivery of ionizing irradiation to cells, rodents and large animals with engineered, transplanted or spontaneous tumors.Imaging Section provides technologies for non-invasive, whole-animal imaging of animals used in preclinical research studies. Microscopy Section provides access to point scanning confocal microscopy with Airyscan super resolution, conventional bright field and fluorescence light microscopy, high throughput live imaging, automated slide scanning and image analysis resources. Electron microscopy resource provides scanning transmission electron microscopy. Animal Cancer Models section supports generation and utilization of large and small animals for modeling cancer and other human diseases. Section has expertise in generating cancer models using wild type or genetically engineered animals in immunocompetent and immunocompromised backgrounds, as well as mice with humanized immune system.

Synonyms: , Microscopy and Animal Cancer Models, Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, DCC-Irradiation

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

Keywords: ABRF, Irradiation, Imaging, Microscopy, Animal Cancer Models,

Resource Name: Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, Microscopy and Animal Cancer Models Core Facility

Resource ID: SCR_025077

Alternate IDs: ABRF_2657

Alternate URLs: https://coremarketplace.org/?FacilityID=2657&citation=1

Record Creation Time: 20240305T200905+0000

Record Last Update: 20260728T043717+0000

Ratings and Alerts

No rating or validation information has been found for Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, Microscopy and Animal Cancer Models Core Facility.

No alerts have been found for Geisel School of Medicine at Dartmouth DCC Irradiation, Imaging, Microscopy and Animal Cancer Models Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Ubert CS, et al. (2026) A Flexible RF Coil Design (OxyTrack) for Oxygen Measurements in Body Cavities. Magnetic resonance in medicine, 95(3), 1879.

Demidova N, et al. (2025) Optical coherence tomography for label-free detection and characterization of methicillin-resistant S. aureus biofilms. Journal of biomedical optics, 30(4), 046003.

Kamerkar SC, et al. (2025) The tumor suppressor LACTB remodels mitochondria to promote cytochrome c release and apoptosis. Science advances, 11(46), eadx7809.

Demidov VV, et al. (2025) Integrating optical coherence tomography and bioluminescence with predictive modeling for quantitative assessment of methicillin-resistant S. aureus biofilms. Journal of biomedical optics, 30(Suppl 3), S34111.