Resource Summary Report

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University of California at Berkeley Cancer Research Laboratory Molecular Imaging Center Core Facility

RRID:SCR_017852
Type: Tool

Proper Citation

University of California at Berkeley Cancer Research Laboratory Molecular Imaging Center Core Facility (RRID:SCR_017852)

Resource Information

URL: http://crl.berkeley.edu/molecular-imaging-center/

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Description: Microscopy core specializing in laser based fluorescence techniques. Offers training and expertise in 20 different microscope systems, including live cell and in vivo imaging, laser scanning (LSM) and spinning disk (SDC) confocal, multi-photon (2p), fluorescent lifetime imaging (FLIM), light-sheet microscopy (SPIM), super resolution (Airyscan), slide scanning and patterned illumination for optogenetic manipulation and readout. Provides offline computer analysis workstations for image processing, visualization and analysis, including GPU workstations. MIC operates in 3 different buildings on campus, with primary locations in Life Sciences Addition (LSA), North-side core in Barker Hall, and small outpost in Li Ka Shing Center for Biomedical and Health Sciences (LKS).Provides equipment in categories:Confocal and multi photon laser scanning microscopes,Spinning disk confocal microscopes,Lightsheet (SPIM) microscopes,Epifluorescence/widefield scopes and Computer workstations.

Abbreviations: MIC

Synonyms: CRL Molecular Imaging Center

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

Keywords: Molecular, imaging, microscopy, system, laser, based, fluorescent, technique, live, cell, in vivo, slide, scanning, image, processing, visualization, analysis, service, core

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NCRR S10 RR027696;
NCRR S10 RR028971;
NEI R01 EY015514;
NSF DBI 0116016;
NSF DBI1041078

Availability: Open

Resource Name: University of California at Berkeley Cancer Research Laboratory Molecular Imaging Center Core Facility

Resource ID: SCR_017852

Alternate IDs: ABRF_659

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260829T183316+0000

Ratings and Alerts

No rating or validation information has been found for University of California at Berkeley Cancer Research Laboratory Molecular Imaging Center Core Facility.

No alerts have been found for University of California at Berkeley Cancer Research Laboratory Molecular Imaging Center Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 70 mentions in open access literature.

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

Kumar M, et al. (2026) Lipoxin B4 Mitigates TRPV4-Activated Müller Cell Gliosis During Ocular Hypertension. Investigative ophthalmology & visual science, 67(2), 2.

Mao X, et al. (2026) Cytoplasmic mRNA decay by the antiviral nuclease RNase L promotes transcriptional repression. Cell reports, 45(3), 117028.

Tommasini D, et al. (2026) The Extreme Diversity Of Retinal Amacrine Cells Has Deep Evolutionary Roots. bioRxiv : the preprint server for biology.

Liu X, et al. (2026) Ploidy and neuron size impact nervous system development and function in Xenopus. Cell reports, 45(2), 116969.

Kim JW, et al. (2026) A Neuronal Gene Expression Program Underlying Sustained Network Activity. bioRxiv : the preprint server for biology.

Qi L, et al. (2026) Human microphysiological systems of aging recreate the in vivo process expediting evaluation of anti-geronic strategies. Nature biomedical engineering.

Turner MA, et al. (2025) Novel Fluorescent and Photoconvertible Fusions Reveal Dorsal Activator Dynamics. bioRxiv : the preprint server for biology.

Hu M, et al. (2025) Druggable genome CRISPRi screen in 3D hydrogels reveals regulators of cortactin-driven actin remodeling in invading glioblastoma cells. bioRxiv : the preprint server for biology.

Tommasini D, et al. (2025) Comparative transcriptomic insights into the evolution of vertebrate photoreceptor types. Current biology : CB, 35(10), 2228.

Bakshinska D, et al. (2025) Synapse-specific catecholaminergic modulation of neuronal glutamate release. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2420496121.

Craig RJ, et al. (2025) Targeted genetic manipulation and yeast-like evolutionary genomics in the green alga Auxenochlorella. The Plant cell, 37(11).

Kumar M, et al. (2025) Lipoxin B4 Mitigates TRPV4-Activated Müller Cell Gliosis During Ocular Hypertension. bioRxiv : the preprint server for biology.

Fong VC, et al. (2025) Optogenetic restoration of high-sensitivity vision using ChRmine- and ChroME-based channelrhodopsins. Scientific reports, 15(1), 21204.

He Y, et al. (2025) Bioenergetic responses to ?-adrenergic stimulation in beige adipocyte depend on actomyosin driven forces. bioRxiv : the preprint server for biology.

Plitt MH, et al. (2025) Octopamine instructs head direction plasticity. bioRxiv : the preprint server for biology.

Dueñas MA, et al. (2025) Leaky ribosomal scanning enables tunable translation of bicistronic ORFs in green algae. Proceedings of the National Academy of Sciences of the United States of America, 122(9), e2417695122.

Yao Z, et al. (2025) Gal4 drivers of the geosmin receptor Or56a exhibit ectopic expression in the labral sense organ of Drosophila. Scientific reports, 15(1), 31651.

Craig RJ, et al. (2025) Targeted genetic manipulation and yeast-like evolutionary genomics in the green alga Auxenochlorella. bioRxiv : the preprint server for biology.

Llacsahuanga-Allcca LE, et al. (2025) The Kaposi's sarcoma-associated herpesvirus TBP mimic uses a noncanonical DNA-binding mode to promote viral late gene transcription. Nucleic acids research, 53(19).

Voke E, et al. (2025) Protein corona formed on lipid nanoparticles compromises delivery efficiency of mRNA cargo. Nature communications, 16(1), 8699.