Resource Summary Report

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University of Arizona Imaging Cores Optical Core Facility

RRID:SCR_023355
Type: Tool

Proper Citation

University of Arizona Imaging Cores Optical Core Facility (RRID:SCR_023355)

Resource Information

URL: http://microscopy.arizona.edu/facility/imaging-cores-optical

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Description: Facility with two locations:Marley and Life Sciences North. Dedicated to acquisition of images for research, industrial and clinical applications.Marley location features inverted point scanning confocal microscope, upright confocal/multiphoton microscope with superresolution capabilities, fluorescence stereo microscope and research quality microwave. Life Sciences North location features superresolution fluoresence microscope:structured illumination, SIM; inverted multifunction widefield microscope:color brightfield, polarized light, fluorescence; image analysis workstation.

Synonyms: UArizona Imaging Cores - Optical, University of Arizona UArizona Imaging Cores - Optical

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

Keywords: USEDit, ABRF, image acquisition, image analysis,

Availability: Open

Resource Name: University of Arizona Imaging Cores Optical Core Facility

Resource ID: SCR_023355

Alternate IDs: ABRF_1695

Alternate URLs: https://coremarketplace.org/?FacilityID=1695&citation=1

Record Creation Time: 20230311T050215+0000

Record Last Update: 20260731T043148+0000

Ratings and Alerts

No rating or validation information has been found for University of Arizona Imaging Cores Optical Core Facility.

No alerts have been found for University of Arizona Imaging Cores Optical Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Agarwal V, et al. (2025) Cation-Cation Photosensitization for Protein Ligation and Intracellular Catalysis. bioRxiv : the preprint server for biology.

Frisbey AA, et al. (2025) CEPR1 regulates Arabidopsis thaliana root architecture by modulating auxin production via NIT1. The Plant journal : for cell and molecular biology, 123(2), e70331.

McDermott KE, et al. (2025) An immunohistochemical protocol for visualizing adrenergic receptor subtypes in the rhesus macaque hippocampus. Journal of neuroscience methods, 418, 110410.

Gupta AK, et al. (2025) A kidney organoid-based readout to assess disease activity in primary and recurrent focal segmental glomerulosclerosis. Kidney international, 107(5), 888.

Ishii A, et al. (2025) Lasmiditan ameliorates cortico-hippocampal pathology and improves cognition in aging parkinsonian mice. Experimental neurology, 395, 115502.

Bjork RT, et al. (2025) Evaluating alpha-synuclein proteinopathy and consequences for birdsong in zebra finch basal ganglia area X. Behavioural brain research, 493, 115698.

Jiang Y, et al. (2025) Enhanced delivery of camptothecin to colorectal carcinoma using a tumor-penetrating peptide targeting p32. Acta biomaterialia, 200, 629.

Seka DJ, et al. (2024) The N-terminal signature motif on the transporter MCT1 is critical for CD147-mediated trafficking. The Journal of biological chemistry, 300(6), 107333.

Escoto A, et al. (2024) Nuclear EGFR in breast cancer suppresses NK cell recruitment and cytotoxicity. Oncogene.

Lemke MD, et al. (2024) Investigating the mechanism of chloroplast singlet oxygen signaling in the Arabidopsis thaliana accelerated cell death 2 mutant. Plant signaling & behavior, 19(1), 2347783.

Hoyer-Kimura C, et al. (2024) PNA5, A Novel Mas Receptor Agonist, Improves Neurovascular and Blood-Brain-Barrier Function in a Mouse Model of Vascular Cognitive Impairment and Dementia. Aging and disease, 15(4), 1927.

Bernard K, et al. (2024) The angiotensin (1-7) glycopeptide PNA5 improves cognition in a chronic progressive mouse model of Parkinson's disease through modulation of neuroinflammation. Experimental neurology, 381, 114926.

MacIsaac AR, et al. (2024) Impaired dopamine signaling in early diabetic retina: Insights from D1R and D4R agonist effects on whole retina responses. Experimental eye research, 247, 110049.

Hostler AC, et al. (2024) Endothelial-specific CXCL12 regulates neovascularization during tissue repair and tumor progression. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(24), e70210.

Sinakevitch IT, et al. (2024) A combined MRI, histological and immunohistochemical rendering of the rhesus macaque locus coeruleus (LC) enables the differentiation of three distinct LC subcompartments. Journal of chemical neuroanatomy, 140, 102449.

Thota LNR, et al. (2023) The Pulmonary Endothelial Glycocalyx Modifications in Glypican 1 Knockout Mice Do Not Affect Lung Endothelial Function in Physiological Conditions. International journal of molecular sciences, 24(19).

Lemke MD, et al. (2023) A genetic screen for dominant chloroplast reactive oxygen species signaling mutants reveals life stage-specific singlet oxygen signaling networks. Frontiers in plant science, 14, 1331346.