

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>

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

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 fluorescence 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: service resource, core facility, access service resource

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

Funding:

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: 20250514T061952+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 8 mentions in open access literature.

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

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.

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.

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.

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.

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.