

# 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:** access service resource, core facility, 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:** 20260919T195956+0000

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## 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.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Hoover Browne C, et al. (2026) Titin's P-zone domains A164-167 are essential for thick filament structural arrangement. *The Journal of general physiology*, 158(3).

Hoyer-Kimura C, et al. (2026) A novel angiotensin(1-7) agonist, PNA5, reduces ischemic reperfusion injury and cardiac dysfunction. *Frontiers in cardiovascular medicine*, 13, 1769276.

Mostafizi P, et al. (2026) Yucatan Miniswine Model of Atrial Fibrillation: Clinical Relevance. *PloS one*, 21(2), e0340985.

Chen K, et al. (2026) Targeting circulating mechanoresponsive monocytes and macrophages to reduce fibrosis. *Nature biomedical engineering*, 10(6), 1247.

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.

Montague J, et al. (2024) Feasibility of non-imaging, random-sampling second harmonic generation measurements to distinguish colon cancer. *Biophotonics discovery*, 1(3), 035001.

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.

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.

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.

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.