

Resource Summary Report

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Texas A&M Health Science Center Integrated Microscopy and Imaging Laboratory Core Facility

RRID:SCR_021637

Type: Tool

Proper Citation

Texas A&M Health Science Center Integrated Microscopy and Imaging Laboratory Core Facility (RRID:SCR_021637)

Resource Information

URL: <https://medicine.tamu.edu/imil>

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Description: Core supports research progress and grant development by encouraging researchers to explore advanced imaging modalities and to incorporate them into their existing research programs. Provides technical expertise and cutting edge microscope systems to support research of faculty and staff of Texas A&M University Health Science Center, Texas A&M University, and all other campuses. IMIL includes six microscopy rooms, supporting facilities, and image processing station. Technical staff is available to train and assist with design, implementation, and analysis of experiments as well as assist in troubleshooting.

Abbreviations: TAMHSC-IMIL

Synonyms: TAMHSC-IMIL-Integrated Microscopy and Imaging Laboratory, Texas A&M Health Science Center TAMHSC-IMIL-Integrated Microscopy and Imaging Laboratory

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

Keywords: USEdit, ABRF, microscope systems, imaging, image processing

Availability: Restricted

Resource Name: Texas A&M Health Science Center Integrated Microscopy and Imaging Laboratory Core Facility

Resource ID: SCR_021637

Alternate IDs: ABRF_1200

Alternate URLs: <https://coremarketplace.org/?FacilityID=1200>

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260731T043108+0000

Ratings and Alerts

No rating or validation information has been found for Texas A&M Health Science Center Integrated Microscopy and Imaging Laboratory Core Facility.

No alerts have been found for Texas A&M Health Science Center Integrated Microscopy and Imaging Laboratory Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Mohajeri A, et al. (2025) Mechanical signaling regulates vascular smooth muscle cell adaptation in aging. *Frontiers in physiology*, 16, 1593886.

Rahman MS, et al. (2025) Soft, stretchable conductive hydrogels for high-performance electronic implants. *Science advances*, 11(12), eads4415.

Lee JD, et al. (2025) Vascular architecture-on-chip: engineering complex blood vessels for reproducing physiological and heterogeneous hemodynamics and endothelial function. *Lab on a chip*, 25(11), 2620.

Arunima A, et al. (2025) CYP1B1-AS1 regulates CYP1B1 to promote *Coxiella burnetii* pathogenesis by inhibiting ROS and host cell death. *Nature communications*, 16(1), 7493.

Powell-Pierce AD, et al. (2025) BBK32 attenuates antibody-dependent complement-mediated killing of infectious *Borrelia burgdorferi* isolates. *PLoS pathogens*, 21(7), e1013361.

Collier CA, et al. (2025) Persistent enteric neuroinflammation chronically impairs colonic motility in a pyridostigmine bromide-induced mouse model of Gulf War illness. *Biology open*, 14(6).

Ayala DA, et al. (2025) Mitochondrial DNA damage in substantia nigra pars compacta astrocytes exacerbates dopaminergic neuron loss in a 6-hydroxydopamine mouse model of parkinsonism. *bioRxiv : the preprint server for biology*.

Rana S, et al. (2025) Assessing nanoparticle-enabled dsRNA delivery for oral RNAi in two orthopteran pests: *Schistocerca gregaria* and *Melanoplus sanguinipes*. *Journal of insect physiology*, 163, 104825.

Subramanian B, et al. (2025) Lymphatic dysfunction is linked to disease pathogenesis in Duchenne muscular dystrophy animal models. *Proceedings of the National Academy of Sciences of the United States of America*, 122(38), e2505656122.

Pandey G, et al. (2025) Genetically encoded nAChR upregulation is neuroprotective in female parkinsonian mice. *bioRxiv : the preprint server for biology*.

Clevenger AJ, et al. (2025) Oncogenic KRAS Mutations Confer a Unique Mechanotransduction Response to Peristalsis in Colorectal Cancer Cells. *Molecular cancer research : MCR*, 23(2), 128.

Ayala DA, et al. (2024) Heterogeneous brain region-specific responses to astrocytic mitochondrial DNA damage in mice. *Scientific reports*, 14(1), 18586.

Vickers RR, et al. (2024) Loss of STING impairs lactogenic differentiation. *Development (Cambridge, England)*, 151(19).

Arunima A, et al. (2024) CYP1B1-AS1 regulates CYP1B1 to promote *Coxiella burnetii* pathogenesis by inhibiting ROS and host cell death. *Research square*.

Bywaters BC, et al. (2024) Modulation of arterial intima stiffness by disturbed blood flow. *Experimental biology and medicine (Maywood, N.J.)*, 249, 10090.

Tigner TJ, et al. (2024) Clickable Granular Hydrogel Scaffolds for Delivery of Neural Progenitor Cells to Sites of Spinal Cord Injury. *Advanced healthcare materials*, 13(25), e2303912.

Kersey AL, et al. (2024) Stiffness assisted cell-matrix remodeling trigger 3D mechanotransduction regulatory programs. *Biomaterials*, 306, 122473.

Ayala DA, et al. (2024) Heterogeneous brain region-specific responses to astrocytic mitochondrial DNA damage in mice. *bioRxiv : the preprint server for biology*.

Sanchez L, et al. (2023) SIM2s directed Parkin-mediated mitophagy promotes mammary epithelial cell differentiation. *Cell death and differentiation*.

Wall SW, et al. (2023) Noncanonical role of single-minded-2s in mitochondrial respiratory chain formation in breast cancer. *Experimental & molecular medicine*.