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: access service resource, core facility, 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: 20260905T133421+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 37 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Ayala DA, et al. (2026) Mitochondrial DNA Damage in Substantia Nigra Pars Compacta Astrocytes Exacerbates Dopaminergic Neuron Loss in a 6-Hydroxydopamine Mouse Model of Parkinsonism. Cellular and molecular neurobiology, 46(1).

Ali RF, et al. (2026) Direct Photochemical Patterning of Lithium Niobate Structures for Scalable Nonlinear Optical Metasurfaces. Small science, 6(3), e202500606.

Sefiani A, et al. (2026) Novel Neurotrophin-3 peptidomimetic synthetic neurotrophin promotes neurological recovery after spinal cord injury. Experimental neurology, 401, 115746.

Collier CA, et al. (2026) Macrophage Immune-Competent Colon Assembloids for Functional Interrogation of Neuroinflammation-Induced Colonic Dysmotility. Gastro hep advances, 5(4), 100894.

Jungmann MA, et al. (2026) Lung Biopsy Tract Sealant and Fiducial Marker Based on a Hydrogel/Shape Memory Polymer Foam Composite With Multimodal Contrast. Journal of biomedical materials research. Part B, Applied biomaterials, 114(4), e70071.

Douthitt AJ, et al. (2025) Leveraging microbiota-metabolites to reduce inflammation and promote functional recovery following spinal cord injury in female mice. Brain, behavior, & immunity - health, 50, 101157.

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.

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.

Powell-Pierce AD, et al. (2025) BBK32 attenuates antibody-dependent complement-mediated killing of infectious Borreliella 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).

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.

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

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.

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.

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

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

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

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