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

Funding:

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: 20250517T060450+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 20 mentions in open access literature.

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

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).

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

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.

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

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

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 singleminded-2s in mitochondrial respiratory chain formation in breast cancer. Experimental & molecular medicine.

Banerjee P, et al. (2023) Conjugated Bile Acids Promote Lymphangiogenesis by Modulation of the Reactive Oxygen Species-p90RSK-Vascular Endothelial Growth Factor Receptor 3 Pathway. Cells, 12(4).

Clevenger AJ, et al. (2023) Peristalsis-Associated Mechanotransduction Drives Malignant Progression of Colorectal Cancer. Cellular and molecular bioengineering, 16(4), 261.

Sharma D, et al. (2023) Perfusability and immunogenicity of implantable pre-vascularized tissues recapitulating features of native capillary network. Bioactive materials, 30, 184.

Ojha KR, et al. (2023) Smooth Muscle-Alpha Actin R149C Pathogenic Variant Downregulates Integrin Recruitment at Cell-Matrix Adhesions and Decreases Cellular Contractility. International journal of molecular sciences, 24(11).

Ren Y, et al. (2022) Tumorous expression of NAC1 restrains antitumor immunity through the LDHA-mediated immune evasion. Journal for immunotherapy of cancer, 10(9).

O'Brien A, et al. (2022) FGF1 Signaling Modulates Biliary Injury and Liver Fibrosis in the Mdr2-/- Mouse Model of Primary Sclerosing Cholangitis. Hepatology communications, 6(7), 1574.

Bywaters BC, et al. (2022) Endothelial NCK2 promotes atherosclerosis progression in male but not female Nck1-null atheroprone mice. Frontiers in cardiovascular medicine, 9, 955027.

Wilcox BK, et al. (2022) Hypertensive Stimuli Indirectly Stimulate Lymphangiogenesis through Immune Cell Secreted Factors. Cells, 11(14).

Ojha KR, et al. (2022) Age-Associated Dysregulation of Integrin Function in Vascular Smooth Muscle. Frontiers in physiology, 13, 913673.

Chakraborty A, et al. (2022) Indications of Peripheral Pain, Dermal Hypersensitivity, and Neurogenic Inflammation in Patients with Lipedema. International journal of molecular

sciences, 23(18).

Banerjee P, et al. (2022) Recent advancement of imaging strategies of the lymphatic system: Answer to the decades old questions. Microcirculation (New York, N.Y. : 1994), 29(6-7), e12780.