

# Resource Summary Report

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## Texas A and M University Image Analysis Laboratory Core Facility

RRID:SCR\_022479

Type: Tool

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### Proper Citation

Texas A and M University Image Analysis Laboratory Core Facility (RRID:SCR\_022479)

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### Resource Information

**URL:** <https://vetmed.tamu.edu/ial/>

**Proper Citation:** Texas A and M University Image Analysis Laboratory Core Facility (RRID:SCR\_022479)

**Description:** Provides advanced imaging technologies and image analysis tools including vital imaging of cellular processes within cells, tissue explants, and organoids. Supports services for transmission electron microscopy of biological samples. Imaging capabilities include fluorescence imaging of samples; Transmitted light imaging; Live cell imaging; FRAP, FLIP, Photoactivation/conversion; FRET, FLIM; Image processing, analysis, quantification; Transmission electron microscopy. Microscopes and Equipment include: Zeiss Axio Imager M2 Motorized Upright Microscope; Zeiss Cell Discoverer 7; Zeiss ELYRA S.1 Superresolution Microscope; Zeiss LSM 780 NLO Multiphoton Microscope; Zeiss TIRF3; Zeiss Stallion Digital Imaging Workstation; FEI Morgagni Transmission Electron Microscope; Leica UC6 Ultramicrotome; ImageXpress Pico & BioTek Cytation 7; Cryostar NX70 Cryostat.

**Synonyms:** TAMU - Image Analysis Laboratory, Texas A&M University TAMU - Image Analysis Laboratory

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

**Keywords:** USEDit, ABRF, vital imaging of cellular processes within cells, tissue explants, and organoids, imaging

**Resource Name:** Texas A and M University Image Analysis Laboratory Core Facility

**Resource ID:** SCR\_022479

**Alternate IDs:** ABRF\_1451

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1451&citation=1>

**Record Creation Time:** 20220614T050142+0000

**Record Last Update:** 20260815T183148+0000

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## Ratings and Alerts

No rating or validation information has been found for Texas A and M University Image Analysis Laboratory Core Facility.

No alerts have been found for Texas A and M University Image Analysis Laboratory Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Xi Y, et al. (2026) METTL14-dependent m6A modification restrains interferon signaling to prevent myocarditis and dilated Cardiomyopathy. bioRxiv : the preprint server for biology.

Ribeiro-Silva CS, et al. (2026) Cellular immune response of Amblyomma sculptum and Amblyomma americanum to entomopathogenic fungi: Implications for biological tick control. Medical and veterinary entomology, 40(3), 582.

Lokhande G, et al. (2025) Nanosilicates promote angiogenesis through activation of ROS-mediated WNT/ $\beta$ -catenin pathway. Science advances, 11(27), eado1223.

Vice Z, et al. (2025) Microscopic Analysis of Temperature Effects on Surface Colonization and Biofilm Morphology of Salmonella enterica. Foods (Basel, Switzerland), 14(2).

Ma J, et al. (2025) Oxygen/Nitric Oxide Dual-Releasing Nanozyme for Augmenting TMZ-Mediated Apoptosis and Necrosis. Molecular pharmaceutics, 22(1), 168.

Cain JW, et al. (2025) SPARC expression in the mouse decidua, placenta, and fetus: correlations with SPP1 expression. Placenta, 168, 125.

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.

Pant A, et al. (2024) Stimulation of neutral lipid synthesis via viral growth factor signaling and ATP citrate lyase during vaccinia virus infection. Journal of virology, 98(11), e0110324.

da Silveira BP, et al. (2024) Impact of surface receptors TLR2, CR3, and Fc $\gamma$ RIII on *Rhodococcus equi* phagocytosis and intracellular survival in macrophages. *Infection and immunity*, 92(1), e0038323.

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

Wuri L, et al. (2023) Hexavalent Chromium Disrupts Oocyte Development in Rats by Elevating Oxidative Stress, DNA Double-Strand Breaks, Microtubule Disruption, and Aberrant Segregation of Chromosomes. *International journal of molecular sciences*, 24(12).

Bhat B, et al. (2023) Rheological dynamics and structural characteristics of supramolecular assemblies of  $\beta$ -cyclodextrin and sulfonic surfactants. *Soft matter*, 19(12), 2231.

Samtani G, et al. (2023) Brain region dependent molecular signatures and myelin repair following chronic demyelination. *Frontiers in cellular neuroscience*, 17, 1169786.