

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

Montclair University Microscopy and Microanalysis Research Laboratory Core Facility

RRID:SCR_012453

Type: Tool

Proper Citation

Montclair University Microscopy and Microanalysis Research Laboratory Core Facility
(RRID:SCR_012453)

Resource Information

URL: <https://www.montclair.edu/mmrl/>

Proper Citation: Montclair University Microscopy and Microanalysis Research Laboratory Core Facility (RRID:SCR_012453)

Description: Interdisciplinary research, teaching and service facility equipped with scanning and transmission electron microscopes, an atomic force microscope, and the ancillary instruments. Provides microscopic imaging, X-ray analysis, and specimen preparation services for biological, pharmaceutical, and materials scientific research. The MMRL consist of four individual microscope rooms, the Histology laboratory, and sample preparation and chemical storage areas. Graduate- and upper-undergraduate-level training is offered in the operation of electron microscopes, sample preparation, and thick/thin sectioning. Currently, MMRL houses transmission electron, scanning electron microscopes, and atomic force microscope. The microscopes available for use include: - Hitachi H-7500 transmission electron microscope - Hitachi S-3400N variable pressure scanning electron microscope with x-ray analysis and digital imaging - Hitachi S-2460N scanning electron microscope with x-ray analysis In addition, the following items are also available for MMRL users: - Three Leica 2030 rotary paraffin microtome - Two LKB ultramicrotomes - A LKB 7800 glass knife maker - Leica Reichert Ultratrim - Denton critical point dryer - Denton sputter coaters (Desk II and Desk IV) - Denton Vacuum evaporators (DV-502A) - Liquid nitrogen dewars (various sizes) - A Leica stereo dissecting microscope - A Tissue-Tek VIP Tissue Processor - A Tissue-Tek II Embedding Center

Abbreviations: MSU MMRL

Synonyms: MSU Microscopy and Microanalysis Research Laboratory, Montclair Microscopy and Microanalysis Research Laboratory, Montclair State University Microscopy and Microanalysis Research Laboratory

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

Resource Name: Montclair University Microscopy and Microanalysis Research Laboratory Core Facility

Resource ID: SCR_012453

Alternate IDs: ABRF_2791, SciEx_1469

Alternate URLs: <https://coremarketplace.org/?FacilityID=2791&citation=1>

Old URLs: <http://www.scienceexchange.com/facilities/montclair-state-university>

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260905T133355+0000

Ratings and Alerts

No rating or validation information has been found for Montclair University Microscopy and Microanalysis Research Laboratory Core Facility.

No alerts have been found for Montclair University Microscopy and Microanalysis Research Laboratory Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Li Y, et al. (2018) Lrfr2-Mutant Mice Display Suppressed Synaptic Plasticity and Inhibitory Synapse Development and Abnormal Social Communication and Startle Response. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(26), 5872.