

Electron Microscopy Core Facility

Location: MFRC 4041 (lab); MFRC 4026 (office)

Primary Contact:

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Overview

The Electron Microscopy Core Facility at the Medical College of Wisconsin is an interdepartmental research service unit managed on behalf of the Medical College by the Department of Microbiology and Immunology and the Department of Cell Biology, Neurobiology and Anatomy. The facility provides service, consultation for research and some training for projects requiring transmission electron microscopy. The Facility operates on a fee-for-service basis and is open to all Medical College of Wisconsin faculty, staff, and students; investigators at affiliated institutions and other non-MCW investigators.

Services include:

- Complete tissue processing facilities
- Immunoelectron microscopy
- Negative staining
- Enzyme cytochemistry
- Ultrastructural Electron Tomography

Equipment/Software	Accessibility
JEOL 2100 electron microscope equipped with a 2K x 2K ultrahigh resolution digital camera	Facility technicians use on behalf of investigators
Hitachi 600 electron microscope	Use is available only after training
Leica EMPact 2 high pressure freezing apparatus	Facility technicians use on behalf of investigators
Leica Automated Freeze Substitution apparatus	Facility technicians use on behalf of investigators
RMC PowerTome & Leica Ultracut UCT ultramicrotomes	Use is available only after training

Hours: Monday - Friday 7:30 am-6 pm

Common users of the facility: Anesthesiology; Cell biology; CHW Pathology; Human & Molecular Genetics Center; Medicine - Pulmonary; Microbiology; Neonatology; Nephrology; Otolaryngology; Pathology; Pediatric Neuropathology; Physiology

Rate: variable, depending on project