Electron Microscopy Core Facility

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

**Primary Contact:**
- Clive Wells, CBiol, FRSB, FRMS, Director  
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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

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