

Electron Microscopy Core (EM Core)

The mission of the Electron Microscopy Core is to provide investigators with access to instruments necessary for ultrastructural research; to teach faculty, staff, and students methods in ultrastructural research; to provide technical services; and to consult with faculty, staff, and students on projects and advise them regarding possible approaches to their research questions involving ultrastructural research. The facility is part of the Department of Medicine, but we also provide access, assistance, and services to researchers in other UF colleges as well as researchers outside of UF. Equipment in the facility includes:

- Zeiss EM10A with Finger Lakes digital camera and film camera;
- Hitachi 7600 with both digital camera and film camera;
- Leica Ultracut T with FCS attachment and static-II line;
- Reichert-Jung Ultracut E;
- Nikon Labophot-2 Light Microscope with digital camera;
- Leica;
- EM/LM Tissue Processor;
- Reichert-Jung Autocut Microtome 2040;
- Reichert-Jung Cryocut 1800;
- Lancer Vibratome;
- Reichert AFS automatic freeze substitution unit;
- Denton carbon evaporator;
- Samdri-790 critical point dryer by Tousimis;
- Polaron sputter coater - SEM coating unit E5100;
- Glass knife breaker;
- Osmette A osmometer;
- Dark room facilities for large format and 35-mm black and white printing;
- Cold room.