



University of Chicago FESEM-FIB Facility

PI: Andrew M. Davis <https://geosci.uchicago.edu/facilities-resources/in-the-department/fib-sem/>

Description of Facility

- TESCAN LYRA3 Field emission scanning electron microscope/focused ion beam (FESEM-FIB) with SE, BSE, STEM detectors, Cobra Ga⁺ gun, Oxford OmniProbe-400 micromanipulator, Oxford OmniGIS for C, Pd welding
- 2 Oxford XMax 80 mm² EDS detectors for fast X-ray mapping; Oxford Wave-500 WDS for low-concentration analysis; Oxford NordlysMax2 EBSD for crystal structure; Oxford AZtec software
- Roughly half of instrument time is available to outside users
- In person access only; training available
- No restrictions on access



How to use the facility

- How to request access: contact manager
- Requests are evaluated on the basis of lab capability
- University of Chicago researchers are given priority in the event of requested time exceeding availability
- \$75/hour, with additional fees for assisted operation

Contact information:

- Location of facility:
Department of the Geophysical Sciences
The University of Chicago
5734 South Ellis Avenue
Chicago, IL 60637
- POC for information and scheduling (Gerard Olack, manager, FIBSEM-manager@uchicago.edu; 773-834-4239)