

CLEMSON UNIVERSITY

ELECTRON MICROSCOPY

*ILLUMINATING INNOVATION
FOR THE WORLD TO SEE*

The Electron Microscopy Facility has added numerous highly advanced microscopes:



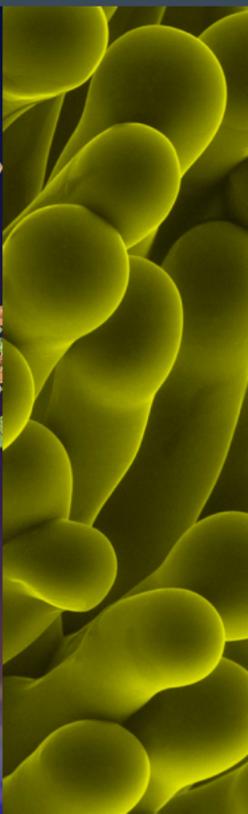
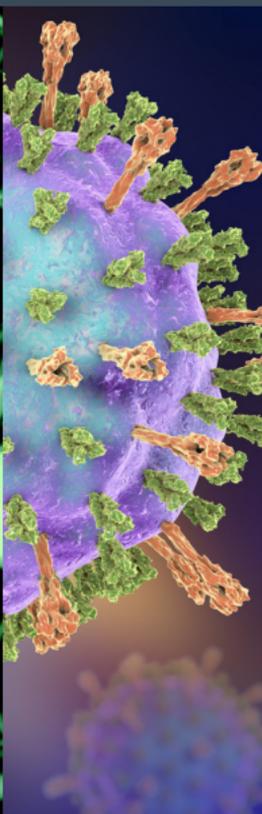
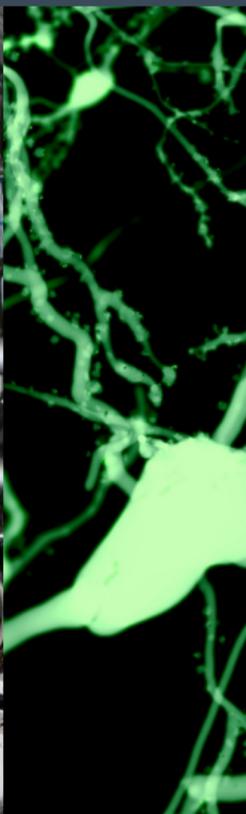
World's most advanced scanning electron microscope



Combined X-ray Photoelectron Spectroscopy and Auger Electron Spectroscopy equipment



New highly advanced tunable energy transmission electron microscope



CLEMSON UNIVERSITY
**ELECTRON
MICROSCOPY**

The Electron Microscopy Facility at Clemson University has several state-of-art, high-resolution transmission electron microscopes (TEM), scanning electron microscopes (SEM), a combined Focused Ion Beam (FIB)/SEM microscope, combined X-ray Photoelectron Spectroscopy and Auger Electron Spectroscopy equipment and other equipment.

The facility utilizes Energy Dispersive X-ray Spectroscopy (EDS), Electron Backscatter Diffraction (EBSD), Wavelength dispersive spectroscopy (WDS), sample manipulation and surface modification capabilities.

The multi-user facility attracts clients from aerospace, automotive, pharmaceutical, textile, electronics, environmental and medical industries. The affordable cost, wide range of capabilities and minimum wait time make the facility attractive to area researchers.



What our partners are saying ...

“Our long-term partnership with Clemson allows us to showcase our most advanced technology. The breadth and depth of advanced research and development being done at the facility is second to none.”

Phil Bryson, *Hitachi High Technologies America*

“Any time we need something that we don’t have in house, our first priority and choice is to give a call to Clemson ... I am happy to see that what started purely as an electron microscopy lab has diversified over the years to add new analysis techniques.”

Javaid Qazi, *KEMET*

“We get instant feedback. We don’t have to wait a week for an outside lab. It’s just a win-win for everybody.”

John Martin, *Ulbrich Precision Flatwire*





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CONTACT



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The Electron Microscopy Facility is available for Clemson University faculty and other universities, educational institutions and organizations, as well as private companies.



**Unmatched
equipment**



**Expert guidance
from highly trained
staff**



Competitive rates



Confidentiality



**Convenient location
off Interstate 85**