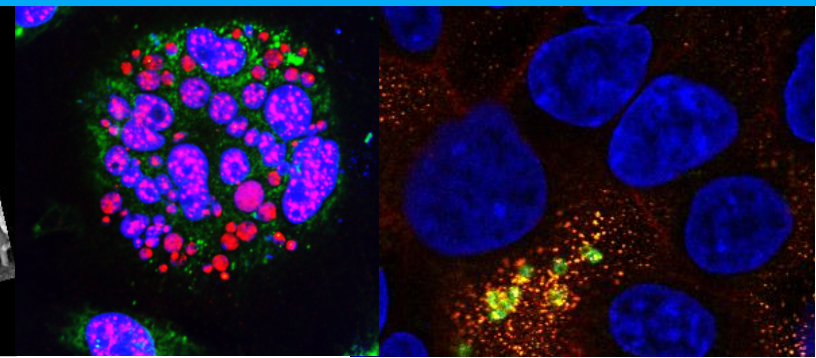
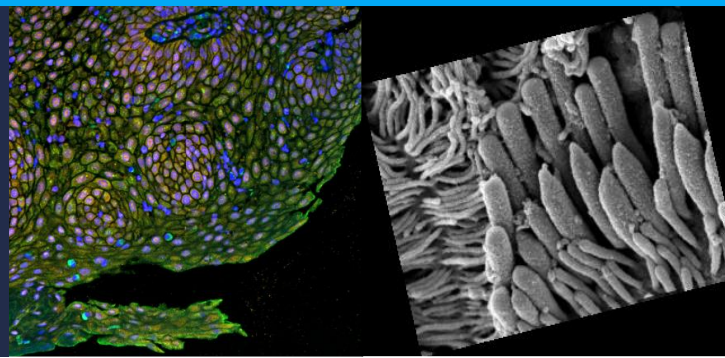
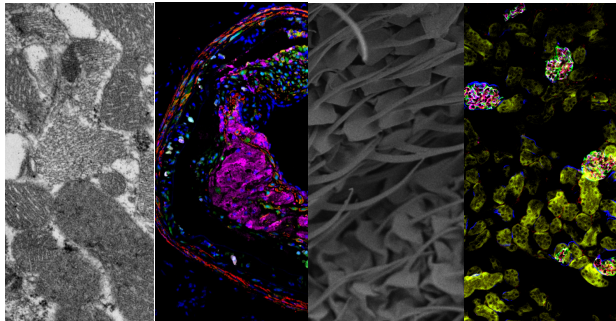


Advanced Microscopy Facility



About Us

The Advanced Microscopy Facility (AMF) was established in 1979 as the Central Electron Microscopy Facility, and operates as a resource for microscopy and image analysis to promote research at the School of Medicine and across grounds. We provide access and training for light and electron microscopy instruments as well as workstations for image analysis. In addition, the AMF offers a full range of sample preparation services for electron microscopy as well as consultation on microscopy projects.



*The AMF can help you develop
**image analysis
pipeline***

Instrumentation

Confocal Microscopy

- Zeiss LSM 700 confocal microscope with live imaging chamber
- Zeiss LSM 880 confocal microscope with AiryScan super resolution detector
- Zeiss Lightsheet7 microscope
- Leica Stellaris 8 tau-STED FALCON super resolution microscope
- Leica Stellaris 8 DIVE multiphoton microscope

Electron Microscopy

- Zeiss Sigma HD VP SEM

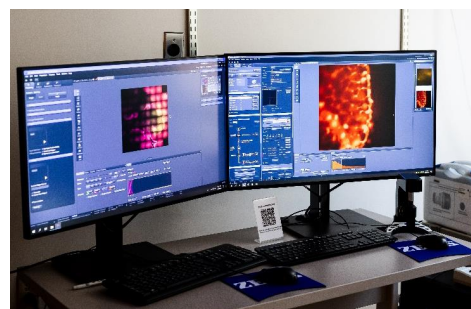
Widefield Fluorescence Microscopy:

- Leica Thunder widefield/TIRF microscope

Our Services

The AMF faculty and staff are available for consultation about electron and light microscopy imaging projects, sample preparation and imaging for TEM and SEM, training in microscope operation, data collection, image processing and analysis for electron and light microscopy images. We also assist in experiment planning and image analysis.

- Consultation
- Sample preparation and imaging for TEM and SEM
- Training in microscope operation, data collection, image processing and analysis for electron and light microscopy images
- Experiment planning, imaging and analysis for light microscopy
- Workshops/Courses on imaging and image analysis
- Demonstration of cutting-edge imaging and analysis tools for the UVA community
- Image analysis hardware and software:
 - HIVE image data server
 - Imaris
 - Aivia
 - CellProfiler
 - Python



**Enhancing Research,
Rigor and Reliability**

Our Team

Sijie Hao, PhD

Director

Research Assistant Professor of
Biomedical Engineering



Contact

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AMF Website:
med.virginia.edu/advanced-microscopy-facility

Request services on:
uva.corefacilities.org/account/login

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