

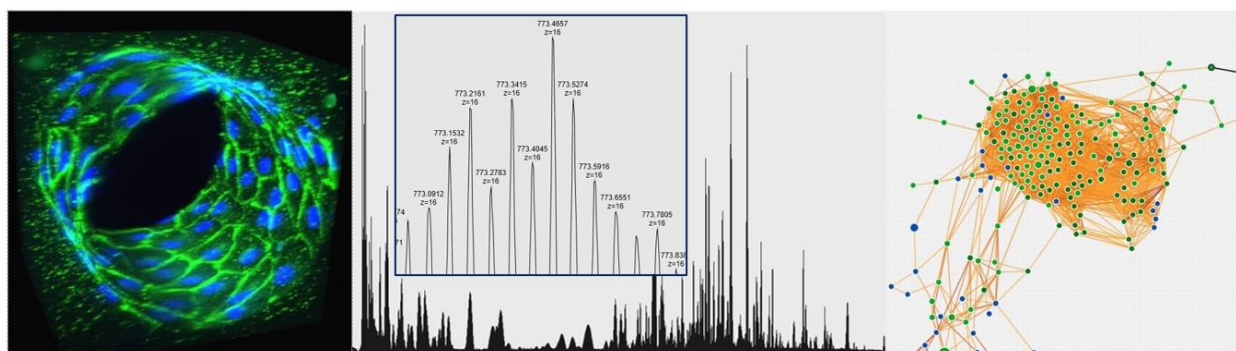
BIONANO RESEARCH FACILITIES (BNRF)

<https://sharedresearchfacilities.wvu.edu/facilities/bionano-research>



OVERVIEW

The BioNano Research Facility at WVU Shared Research Facilities is a cutting-edge facility that caters to researchers working at the intersection of biology and advanced materials. With a wide range of instruments and equipment, the facility supports studies in cell cultures, cell imaging, biomolecules, and biomaterials. Researchers have access to state-of-the-art technologies such as mass spectrometers, fluorescence microscopes, circular dichroism spectrometers, electrophoresis and imaging systems, as well as cell culture and protein extraction equipment. This comprehensive suite of instruments enables scientists to conduct qualitative and quantitative proteomics and metabolomics research, analyze single-cell proteomics, perform targeted metabolomic analysis, investigate organic compounds, visualize cellular structures, and characterize protein conformation. The BioNano Research Facility provides a dynamic environment for researchers to advance their understanding of biological systems and drive innovation at the interface of biology and advanced materials.



REPRESENTATIVE EQUIPMENT

- Thermo Q Exactive mass spectrometer
- Thermo Finnigan LTO mass spectrometer
- Thermo Finnigan TSQ mass spectrometer
- Thermo Trace 1310 gas chromatography
- BioRaid 2D Gel imaging system
- Leica BMI 6000b fluorescence microscope
- Horiba fluorolog-3 spectrofluorometer
- Thermo Vanquish UHPLC
- Thermo Dionex Ultimate 3000 UHPLC
- Thermo Easy nLC-1000 nano LC
- Shimadzu 2014 gas chromatography
- Olympus iX-18 confocal microscope
- BioTek Synergy 2 plate reader
- JASCO J-810 spectropolarimeter

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