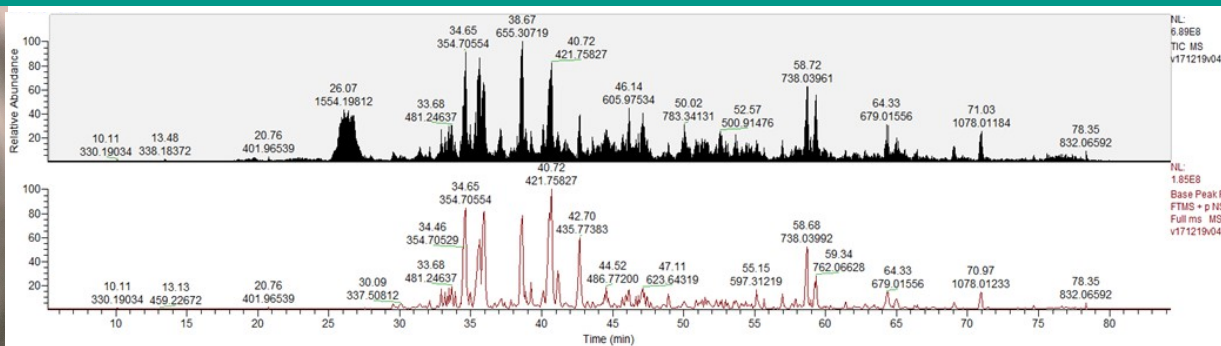
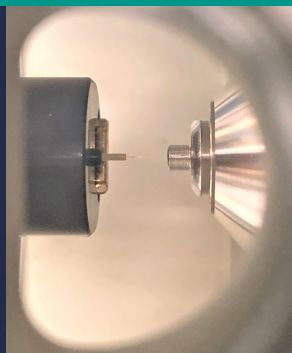
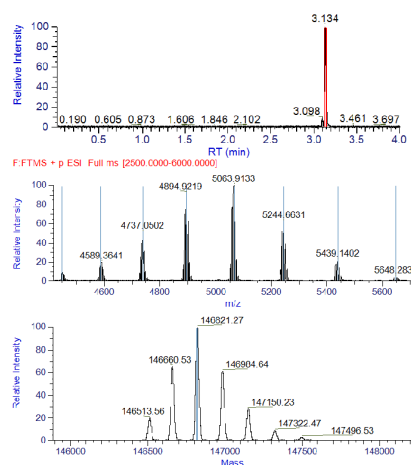


Biomolecular Analysis Facility



About Us

The Biomolecular Analysis Facility Core (BAF) is committed to bringing you the best in instrumentation and personnel. The Exploris 480 provides high resolution and high mass accuracy in MS and MS/MS. This instrument can perform proteomics and intact protein analysis using nLC and CE interfaces. Quantitation is now performed using parallel reaction monitoring (PRM). The Orbitrap ID-X provides high resolution metabolomics, lipidomics and small molecule/drug quantification. These two instruments can handle all your qualitative and quantitative proteomic/metabolomic needs. The Bruker Neoflex can perform MALDI Imaging on tissue sections showing spatial distribution of many types of molecules. We also offer a suite of Shared Instruments for open access.



Our Services

- Accurate Mass Determination via LC or CE of small molecules, peptides, and proteins
- Simple to Complex Mixture Analysis
- Comparative Proteomics
- Analysis of Post-translational Modifications
- Quantitation (PRM)
- Untargeted Metabolomics/Lipidomics
- Targeted Metabolic Pathways
- Tissue Imaging
- Isotope Tracing
- Plate Reading
- Circular Dichroism
- HPLC/FPLC

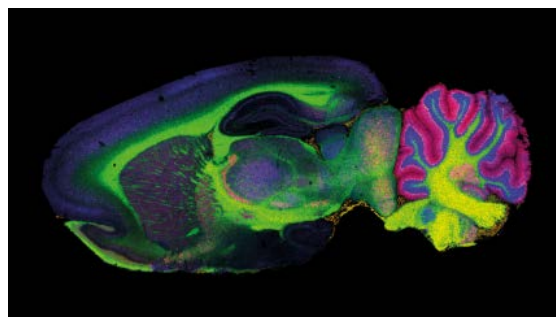
Instrumentation

Shared Instrumentation

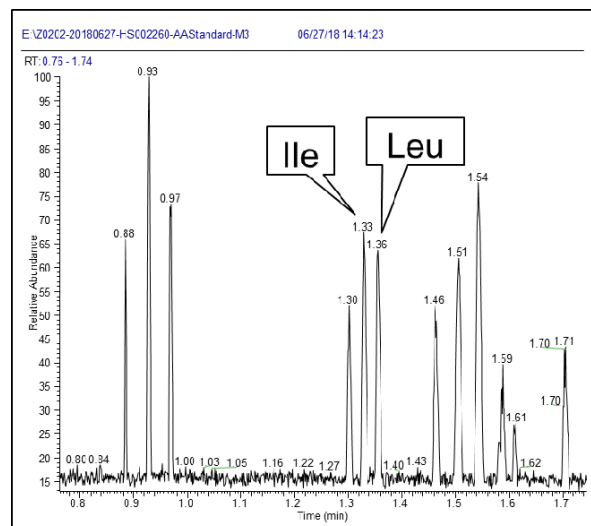
- Dionex HPLC
- SpectraMax ID3 Plate Reader
- Jasco J-1500 Circular Dichroism
- AKTA FPLC
- Labconco Lyophilizer
- Thermo Speedvac

Mass Spectrometry

- ThermoFisher Exploris 480 with nLC and CE
- ThermoFisher Orbitrap ID-X with uLC
- Bruker Neoflex MALDI-TOF/TOF mass spectrometer



The BAF has expertise in areas of
Proteomics
Metabolomics
Lipidomics Imaging



**Enhancing Research,
 Rigor and Reliability**

Our Team

Nicholas E. Sherman, PhD

Associate Professor of Microbiology
 Director

Jong Hee Song, PhD

Senior Scientist



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

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