

**Agenda: Mass Spectrometry Research Symposium at NC State University
November 7, 2019**

8-8:45 a.m.	Registration and continental breakfast
8:45 a.m.	Remarks about NC State University and METRIC
9:00 a.m.	Lisa Jones, Ph.D. <i>Associate Professor of Pharmaceutical Sciences, University of Maryland School of Pharmacy</i> In Vivo Protein Complex Structural Dynamics: A Structural Biology Tool and So Much More
10:00 a.m.	Erin Baker, Ph.D. <i>Associate Professor, Department of Chemistry, North Carolina State University</i> Utilizing Ion Mobility Spectrometry and Multi-omic Analyses to Evaluate Complex Samples
10:30 a.m.	Lightning Talks Round 1 10 Talks 2 minutes each
10:50 a.m.	Stephanie Cologna, Ph.D. <i>Assistant Professor, Department of Chemistry, University of Illinois at Chicago</i> Mass Spectrometry Imaging of Lipids in a Progressive Neurodegenerative Disease
11:50 a.m.	Whitney Stutts, Ph.D. <i>Senior Research Scholar, Molecular Education, Technology and Research Innovation Center, North Carolina State University</i> Whole-body Mass Spectrometry Imaging of Zebrafish by Infrared Matrix-Assisted Laser Desorption Electrospray Ionization (IR-MALDESI)
12:20-1:20 p.m.	Lunch
1:30 p.m.	Ryan Kelly, Ph.D. <i>Associate Professor, Department of Chemistry and Biochemistry, Brigham Young University</i> Nanodroplet sample processing and ultrasensitive LC-MS for single-cell proteomics
2:30 p.m.	Lightning Talks Round 2 10 Talks 2 minutes each
2:50 p.m.	Detlef Knappe, Ph.D. <i>S. James Ellen Distinguished Professor, Department of Civil, Construction, and Environmental Engineering, North Carolina State University</i> Mass spectrometry applications for the characterization of drinking water contaminants
3:20 p.m.	Gary Patti, Ph.D. <i>Associate Professor of Chemistry and of Genetics and Medicine, School of Medicine, Washington University in St. Louis</i> Identifying Off-Target Drug Effects by Mass Spectrometry-Based Metabolomics
4:20 p.m.	Manuel Kleiner, Ph.D. <i>Assistant Professor, Department of Plant and Microbial Biology, North Carolina State University</i> Metaproteomics to investigate functional interactions in microbial communities
4:50 p.m.	Closing Statements
5-6:30 p.m.	Poster Session (Food and Refreshments will be served)