



Fall Workshop on MALDI Imaging Mass Spectrometry

October 30-31, 2021

In conjunction with 69th ASMS Conference in Philadelphia, PA

Preliminary Detailed Schedule. For details www.asms.org/conferences/fall-workshop

Day 1 October 30 Basic Sample Preparation		
Time	Lecturer	Topic
9:00 – 9:05 Introduction – Peggi Angel		
9:05-9:50 am	Kevin Schey Vanderbilt University	Overview of Imaging Mass Spectrometry
10:00 -10:45 am	Michelle Reyzer Vanderbilt University	MALDI sources and instrumentation
Break 11:00 - 11:15 am		
11:15-12:00 pm	Laura Sanchez University of California, Santa Cruz	Preparation of Mammalian Cells & Microbes for Imaging Mass Spectrometry
Lunch 12:00 - 1:00 pm (Provided)		
1:00 – 1:45 pm	Amanda Hummon & Emily Sekera Ohio State University	Organoid & Spheroid preparation for imaging mass spectrometry
2:00 – 2:45 pm	Michelle Reyzer Vanderbilt University	Tissue preparation for imaging mass spectrometry
Break 3:00 - 3:30 pm		
3:30 - 4:15 pm	Richard Drake Medical University of South Carolina	Array imaging of cells, biofluids and target proteins
4:15 – 4: 45 pm Ask the Teachers: Discussion		
5:00- 6:00 pm Happy Hour		
Day 2 October 31 Sample Preparation for Target Analytes		
9:00-9:45 am	Pierre Chaurand Université de Montréal	Lipid & metabolites, approaches and pitfalls
10:00 -10:45 am	Reid Groseclose GlaxoSmithKline	Drug imaging & approaches to drug quantification
Break 11:00-11:15 am		
11:15-12:00 pm	Richard Drake Medical University of South Carolina	Glycans
Lunch 12:00- 1:00 pm (Provided)		
1:00 – 1:45 pm	Peggi Angel Medical University of South Carolina	Peptide imaging & parallel LC-MS/MS workflows
2:00 – 2:45 pm	Jessica Moore Frontier Diagnostics	Protein imaging, identification, and validation strategies
Break 3:00 – 3:30 pm		
3:30 - 4:30 pm	Alison Scott	Data Analysis Overview & Discussion
5:00 pm End		