

AIMS.2022 Agenda

Monday, April 25, 2022		
3:30 pm to 5:30 pm	Sign-in	NS Lobby
4:00 pm to 5:00 pm	Tutorial I: Basics of Histology and Microscopy Kristina Schwamborn , Technische Universität München, Germany	NS 155
5:00 pm to 6:00 pm	Tutorial II: Basics of Mass Spectrometry Kevin L. Schey , Vanderbilt University	NS 155
Tuesday, April 26, 2022		
7:45 am to 8:30 am	Sign-in & Continental Breakfast	NS 165
8:30 am to 9:30 am	Welcome Michelle L. Reyzer , Vanderbilt University Keynote Address: Imaging Mass Spectrometry: Some General Considerations Richard M. Caprioli , Vanderbilt University	NS 155
9:30 am to 10:30 am	Presentation: Sample Preparation Michelle L. Reyzer , Vanderbilt University	NS 155
10:30 am to 11:00 am	Break	NS 165
11:00 am to 12:30 pm	Workshops: Sample Preparation I 1A: Fresh frozen tissue: cryosectioning 1B: Fresh frozen tissue: washing/staining/autofluorescence 1C: FFPE: sectioning/antigen retrieval 1D: Specimen freezing/embedding	MRB III 9 th floor
12:30 pm to 1:30 pm	Lunch	NS 165
1:30 pm to 3:00 pm	Workshops: Sample Preparation II 2A: Fresh frozen tissue: cryosectioning 2B: Fresh frozen tissue: washing/staining/autofluorescence 2C: FFPE: sectioning/antigen retrieval 2D: Specimen freezing/embedding	MRB III 9 th floor
3:00 pm to 3:30 pm	Break	NS 165
3:30 pm to 4:30 pm	Presentation: Matrix Application Michelle L. Reyzer , Vanderbilt University	NS 155
4:30 pm to 5:00 pm	Presentation: Practical Instrumentation for Imaging Jeffrey M. Spraggins , Vanderbilt University	NS 155
5:00 pm to 5:30 pm	Presentation: Technology Highlight: High-Speed and High-Sensitivity Imaging Jeffrey M. Spraggins , Vanderbilt University	NS 155
5:30 pm to 6:30 pm	Meet the speakers	NS 165

Wednesday, April 27, 2022

8:00 am to 8:30 am	Breakfast	NS 165
8:30 am to 10:00 am	Workshops: Matrix Application I 3A: Manual spray coating 3B: TM Sprayer: enzymes/LESA 3C: Sublimation/rehydration 3D: TM Sprayer: matrix	MRB III 9 th floor
10:00 am to 10:30 am	Break	NS 165
10:30 am to 12:00 pm	Workshops: Matrix Application II 3A: Manual spray coating 3B: TM Sprayer: enzymes/LESA 3C: Sublimation/rehydration 3D: TM Sprayer: matrix	MRB III 9 th floor
12:00 pm to 12:30 pm	Presentation: Special topics: Sample Preparation Approaches for High Spatial Resolution MALDI IMS Martin Dufresne , Vanderbilt University	NS 155
12:30 pm to 1:30 pm	Lunch	NS 165
1:30 pm to 2:30 pm	Presentation: The Emergence of Imaging MS Biodistribution Studies in Drug Discovery and Development: Making a Difference Steve Castellino , GlycoPath Xenovista LLC	NS 155
2:30 pm to 3:00 pm	Break	NS 165
3:00 pm to 5:00 pm	Vendor demonstrations	MRB III 9 th floor
5:00 pm to 6:00 pm	Meet the speakers	NS 165

Thursday, April 28, 2022

8:30 am to 9:00 am	Breakfast	NS 165
9:00 am to 10:30 am	Instrumentation demonstrations 5A: LTQ 5B: TOFs 5C: Tims-TOF 5D: FT-ICR	MRB III 9 th floor
10:30 am to 11:00 am	Break	NS 165
11:00 am to 12:00 pm	Presentation: Mass Spectrometry Imaging in Pathology Kristina Schwamborn , Technische Universität München, Germany	NS 155
12:00 pm to 12:30 pm	Presentation: Technology Highlight: Approaches to Protein Identification Kevin L. Schey , Vanderbilt University	NS 155
12:30 pm to 1:30 pm	Lunch	NS 165
1:30 pm to 2:00 pm	Presentation: Special topics	NS 155

2:00 pm to 2:30 pm	Presentation: PASEF IMS: Parallel Accumulation-Serial Fragmentation Imaging Mass Spectrometry Madeline E. Colley , Vanderbilt University	NS 155
2:30 pm to 3:00 pm	Break	NS 165
3:00 pm to 5:00 pm	Vendor demonstrations	MRB III 9 th floor
5:00 pm to 8:00 pm	Dinner Reception	
Friday, April 29, 2022		
8:00 am to 8:30 am	Continental breakfast	NS 165
8:30 am to 9:30 am	Presentation: Data Processing Raf Van de Plas , Delft University of Technology, Netherlands	NS 155
9:30 am to 11:00 am	Workshops: Data Processing 6A: FlexImaging/mMass 6B: Image Registration 6C: SCiLS software 6D: R/Cardinal	MRB III 9 th floor
11:00 am to 11:30 am	Break	NS 165
11:30 am to 1:00 pm	Workshops: Data Processing 7A: FlexImaging/mMass 7B: Image Registration 7C: SCiLS software 7D: R/Cardinal	MRB III 9 th floor
1:00 pm to 1:30 pm	Conclusions and Perspectives Kevin L. Schey , Vanderbilt University	NS 155
1:30 pm to 5:00 pm	END OF COURSE Time available for individual consultations	MRB III 9 th floor