

# AIMS.2019 Agenda

Monday, April 8, 2019		
3:30 pm to 5:30 pm	Sign-in	NS Lobby
4:00 pm to 5:00 pm	Tutorial I: <b>Basics of Mass Spectrometry</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
5:00 pm to 6:00 pm	Tutorial II: <b>Basics of Histology and Microscopy</b> <b>Kristina Schwamborn</b> , Technische Universität München, Germany	NS 161
Tuesday, April 9, 2019		
7:45 am to 8:30 am	Sign-in & Breakfast	NS 155
8:30 am to 9:30 am	Welcome <b>Michelle L. Reyzer</b> , Vanderbilt University Keynote Address: <b>Imaging Mass Spectrometry: Some General Considerations</b> <b>Richard M. Caprioli</b> , Vanderbilt University	NS 155
9:30 am to 10:30 am	Presentation: <b>Sample Preparation</b> <b>Michelle L. Reyzer</b> , Vanderbilt University	NS 155
10:30 am to 11:00 am	Break	MRB III 7 <sup>th</sup> Floor
11:00 am to 12:30 pm	<b>Workshops: Sample Preparation I</b> <b>1A:</b> Fresh frozen tissue: cryosectioning <b>1B:</b> Fresh frozen tissue: washing/staining <b>1C:</b> FFPE: sectioning <b>1D:</b> FFPE: antigen retrieval/washing	MRB III 9 <sup>th</sup> Floor MSRC Learned Learned Learned
12:30 pm to 2:00 pm	Lunch	NS 161
2:00 pm to 3:30 pm	<b>Workshops: Sample Preparation II</b> <b>2A:</b> Fresh frozen tissue: cryosectioning <b>2B:</b> Fresh frozen tissue: washing/staining <b>2C:</b> FFPE: sectioning <b>2D:</b> FFPE: antigen retrieval/washing	MRB III 9 <sup>th</sup> Floor MSRC Learned Learned Learned
3:30 pm to 4:00 pm	Break	MRB III 7 <sup>th</sup> Floor
4:00 pm to 5:00 pm	Presentation: <b>Matrix Application</b> <b>Michelle L. Reyzer</b> , Vanderbilt University	NS 161
5:00 pm to 5:30 pm	Presentation: <b>Practical Instrumentation for Imaging</b> <b>Jeffrey M. Spraggins</b> , Vanderbilt University	NS 161
5:30 pm to 6:30 pm	Meet the speakers	MRB III 7 <sup>th</sup> Floor
Wednesday, April 10, 2019		
8:00 am to 8:30 am	Breakfast	MRB III 7 <sup>th</sup> Floor
8:30 am to 10:00 am	<b>Workshops: Matrix Application I</b>	MRB III 9 <sup>th</sup> Floor

	<b>3A:</b> Manual spray coating <b>3B:</b> Small volumes <b>3C:</b> Sublimation <b>3D:</b> TM Sprayer	MSRC MSRC Learned Learned
10:00 am to 10:30 am	Break	MRB III 7 <sup>th</sup> Floor
10:30 am to 12:00 pm	<b>Workshops: Matrix Application II</b> <b>3A:</b> Manual spray coating <b>3B:</b> Small volumes <b>3C:</b> Sublimation <b>3D:</b> TM Sprayer	MRB III 9 <sup>th</sup> Floor MSRC MSRC Learned Learned
12:00 pm to 1:00 pm	Lunch	NS 161
1:00 pm to 1:30 pm	Presentation: <b>Technology Highlight: High-Speed and High-Sensitivity Imaging</b> <b>Jeffrey M. Spraggins</b> , Vanderbilt University	NS 161
1:30 pm to 2:30 pm	Presentation: <b>Imaging Mass Spectrometry: A New Method in Pathological Practice?</b> <b>Kristina Schwamborn</b> , Technische Universität München, Germany	NS 161
2:30 pm to 3:30 pm	Presentation: <b>MALDI Imaging MS: Transforming Drug Discovery and Development through Tissue Molecular Imaging</b> <b>Stephen Castellino</b> , GlaxoSmithKline, PA	NS 161
3:30 pm to 4:00 pm	Break	MRB III 7 <sup>th</sup> Floor
4:00 pm to 5:30 pm	Vendor demonstrations	MRB III 9 <sup>th</sup> Floor
5:30 pm to 6:30 pm	Meet the speakers	MRB III 7 <sup>th</sup> Floor
<b>Thursday, April 11, 2019</b>		
8:00 am to 8:30 am	Breakfast	MRB III 7 <sup>th</sup> Floor
8:30 am to 10:00 am	<b>Instrumentation demonstrations</b> <b>5A:</b> LTQ <b>5B:</b> TOFs <b>5C:</b> Ion mobility QTOF <b>5D:</b> FT-ICR	MRB III 9 <sup>th</sup> Floor MSRC MSRC/Learned MSRC MSRC
10:00 am to 10:30 am	Break	MRB III 7 <sup>th</sup> Floor
10:30 am to 11:00 am	Presentation: <b>Data Processing</b> <b>Raf Van de Plas</b> , Delft University of Technology, Netherlands	NS 161
11:00 am to 1:00 pm	<b>Workshops: Data Processing</b> <b>6A:</b> Image Fusion <b>6B:</b> PIMS <b>6C:</b> SCiLS software <b>6D:</b> R/Cardinal	MRB III 5 <sup>th</sup> floor, 5139 5 <sup>th</sup> floor, 5139 MSRC MSRC
1:00 pm to 2:30 pm	Lunch and seminar sponsored by <b>Bruker</b>	NS 161
2:30 pm to 4:30 pm	Vendor demonstrations	MRB III 9 <sup>th</sup> Floor

4:30 pm to 5:30 pm	Break	MRB III 7 <sup>th</sup> Floor
5:30 pm to 6:30 pm	Transportation to the General Jackson dock Shuttles depart from Nursing School parking lot at 5:30 pm	Meet at NS
6:30 pm to 10:30 pm	Dinner on the General Jackson Showboat	
<b>Friday, April 12, 2019</b>		
9:00 am to 9:30 am	Continental breakfast	NS 161
9:30 am to 10:00 am	Presentation: <b>Advanced Registration and Next Generation Histology-Directed MALDI IMS Enabled by Autofluorescence Microscopy</b> <b>N. Heath Patterson</b> , Vanderbilt University	NS 161
10:00 am to 10:30 am	Presentation: <b>Multimodal IMS Technologies to Interrogate the Host-Pathogen Interface</b> <b>William J. Perry</b> , Vanderbilt University	NS 161
10:30 am to 11:00 am	Presentation: <b>Technology Highlight: Approaches to Protein Identification</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
11:00 am to 11:30 am	<b>Conclusions and Perspectives</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
11:30 am to 5:00 pm	END OF COURSE Time available for individual consultations	MRB III 9 <sup>th</sup> floor