

# AIMS.2018 Agenda

Monday, April 23, 2018		
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 24, 2018		
7:45 am to 8:30 am	Sign-in & Continental Breakfast	NS 161
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 161
9:30 am to 10:30 am	Presentation: <b>Sample Preparation</b> <b>Michelle L. Reyzer</b> , Vanderbilt University	NS 161
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 and seminar sponsored by <b>Bruker</b>	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 25, 2018		
8:00 am to 9:30 am	Breakfast and seminar sponsored by <b>Waters</b>	NS 161
9:30 am to 11:00 am	Vendor demonstrations	MRB III 9 <sup>th</sup> Floor

11:00 am to 11:30 am	Break	MRB III 7 <sup>th</sup> Floor
11:30 am to 1:00 pm	<b>Workshops: Matrix Application I</b> <b>3A:</b> Manual spray coating <b>3B:</b> Small volumes <b>3C:</b> Sublimation <b>3D:</b> TM Sprayer-matrix and trypsin	MRB III 9 <sup>th</sup> Floor MSRC MSRC Learned Learned
1:00 pm to 2:00 pm	Lunch	NS 161
2:00 pm to 2:30 pm	Presentation: <b>Technology Highlight: High-Speed and High-Sensitivity Imaging</b> <b>Boone M. Prentice</b> , Vanderbilt University	NS 161
2:30 pm to 3:30 pm	Presentation: <b>Perspectives on Pathology</b> <b>Kristina Schwamborn</b> , Technische Universität München, Germany	NS 161
3:30 pm to 4:00 pm	Break	MRB III 7 <sup>th</sup> Floor
4:00 pm to 5:30 pm	<b>Workshops: Matrix Application II</b> <b>4A:</b> Manual spray coating <b>4B:</b> Small volumes <b>4C:</b> Sublimation <b>4D:</b> TM Sprayer-matrix and trypsin	MRB III 9 <sup>th</sup> Floor MSRC MSRC Learned Learned
5:30 pm to 6:30 pm	Meet the speakers	MRB III 7 <sup>th</sup> Floor
<b>Thursday, April 26, 2018</b>		
8:30 am to 9:00 am	Continental Breakfast	NS 161
9:00 am to 9:30 am	Presentation: <b>Data Processing</b> <b>Raf Van de Plas</b> , Delft University of Technology, Netherlands	NS 161
9:30 am to 10:00 am	Presentation: <b>Technology Highlight: Image Fusion</b> <b>Raf Van de Plas</b> , Delft University of Technology, Netherlands	NS 161
10:00 am to 10:30 am	Break	MRB III 7 <sup>th</sup> Floor
10:30 am to 1:00 pm	<b>Workshops: Data Processing</b> <b>5A:</b> Image Fusion <b>5B:</b> PIMS <b>5C:</b> SCiLS software <b>5D:</b> R/Cardinal	MRB III 1 <sup>st</sup> floor, 1202 1 <sup>st</sup> floor, 1202 MSRC MSRC
1:00 pm to 2:00 pm	Lunch	NS 161
2:00 pm to 4:00 pm	Vendor demonstrations	MRB III 9 <sup>th</sup> Floor
4:00 pm to 4:30 pm	Presentation: <b>Protein Identification Strategies</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
4:30 pm to 5:00 pm	<b>Conclusions and Perspectives</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
5:00 pm to 6:00 pm	Break	MRB III 7 <sup>th</sup> Floor
6:00 pm to 6:30 pm	Transportation to the Bridge Building Shuttles depart from Nursing School parking lot at 6:00 pm	Meet at NS

6:30 pm to 10:30 pm	Dinner at the Bridge Building	
<b>Friday, April 27, 2018</b> <b>MSRC 20<sup>th</sup> Anniversary Celebration Symposium</b>		
9:00 am to 9:10 am	Introduction <b>Richard M. Caprioli</b> , Vanderbilt University	NS 161
9:10 am to 9:15 am	Welcome <b>Larry J. Marnett, Dean of Basic Sciences</b> Vanderbilt University	NS 161
9:15 am to 9:55 am	Presentation: <b>The Impact of the MSRC on Vanderbilt and Beyond</b> <b>Kevin L. Schey</b> , Vanderbilt University	NS 161
9:55 am to 10:35 am	Presentation: <b>Mass Spectrometry as the Discovery Engine for Exploring Protein Modification by Lipid Electrophiles</b> <b>Larry J. Marnett</b> , Vanderbilt University	NS 161
10:35 am to 10:50 am	Break	NS Lobby
10:50 am to 11:30 am	Presentation: <b>Native MS in Structural Biology: Surface Collisions of Protein Complexes</b> <b>Vicki H. Wysocki</b> , Ohio State University, OH	NS 161
11:30 am to 12:10 pm	Presentation: <b>Clinical Tissue Imaging by Mass Spectrometry: The Future is Now</b> <b>John D. Pfeifer</b> , Washington University School of Medicine in St. Louis, MO	NS 161
12:10 am to 12:50 pm	Presentation: <b>Mass Spectrometry: Moving Beyond "Hyphenation" to Enable Innovation in the Development of New Medicines</b> <b>Stephen Castellino</b> , GlaxoSmithKline, PA	NS 161
12:50 pm to 1:00 pm	Close <b>Richard M. Caprioli</b> , Vanderbilt University	NS 161
1:00 pm	Reception and tour of MSRC	MRB III 9 <sup>th</sup> floor