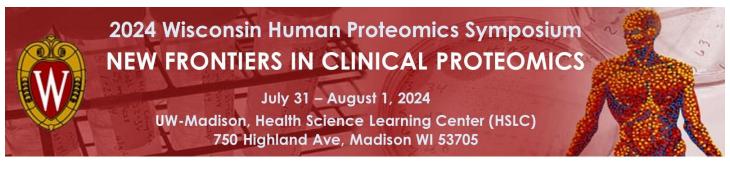


DAY 1 | July 31

8:00am – 5:00pm	Conference Registration	HSLC Atrium	
Women's Initiative and DEI Session			
	(Sponsored by UW Carbone	Cancer Center)	
Chairs: Lauren Fields and Anna Grace 9:00 am – 12:30 pm (HSLC 1306, Virtual option available in Zoom)			
	Wel	come	
9:00 am – 9:05 am	Ŭ	G e, PhD sconsin – Madison	
9:05 am – 9:30 am			
(20 min presentation, 5 min Q&A)	University of Wisconsin-Madison "Harnessing diverse human populations to explore the function and regulation of plasma lipids"		
9:30 am – 9:55 am (20 min presentation, 5 min Q&A)	Indiana "The Stress of Cellular Origami: Defin	Iosley, PhD University ning the Unfolded Protein Response with teome Profiling"	
9:55 am – 10:20 am (20 min presentation, 5 min Q&A)	University of W <i>"Elucidating the Role of Circulating L</i>	Kimple, PhD Tisconsin-Madison Lipids and Their Metabolites in Diabetes Intargeted Mass Spectrometry Approaches"	
10:20 am– 10:45 am (20 min presentation, 5 min Q&A)	University "Overcoming Barriers to Develop Diagn	as, PhD, DABCC of Minnesota oostic Serum Protein Biomarkers for High- Ovarian Cancer"	
Panel Discussion and Lunch11:00 am- 12:30 pmPanelists• Dr. Si Wu- Professor, University of Alabama		sion and Lunch	
	 Dr. Emma Doud- Assistant Resear Medicine Dr. Savannah Snyder- Field Sales 	rch Professor, Indiana University School of Representative, Bruker Daltonics essor, University of Wisconsin-Madison	

	 Dr. Andrea Galmozzi, Assistant Professor, University Dr. Héctor H. Valdivia, Professor, University of With the second second		
Special Session on Spatial Proteomics via Imaging Mass Spectrometry			
Chair: Lingjun Li, PhD 1:00 pm – 2:25 pm (HSLC 1306, Virtual option available in Zoom)			
	Keynote Speaker		
1:00 pm – 1:45 pm	Ron Heeren, PhD		
(40 min presentation, 5 min Q&A)	Distinguished Professor and Scientific Director of M4I		
	Maastricht University "'Omics' and imaging in single cell spatial biology"		
1:45 pm– 2:10 pm (20 min presentation, 5 min Q&A)	Peggi Angel, PhD Medical University of South Carolina "Extracellular Glycoproteins as Pathological Differentiators in Tissue and Fluids"		
	Peter Verhaert, PhD		
2:10 pm– 2:25 pm	ProteoFormiX		
(12 min presentation, 3 min Q&A)	"HRMS Secretomics Approach to Map True Biological A Culture"	Activity of Human Cells in	
2:25 pm– 2:45 pm	Break & Exhibits	HSLC Atrium	
	<u>Rising Star Session, Senior Group</u>		
	(Sponsored by UW Carbone Cancer Cen	ter)	
<i>Chair: Daniel Matson, MD, PhD</i> 2:45 pm – 3:50 pm (HSLC 1306, Virtual option available in Zoom)			
2:45 pm – 3:00 pm	Irene Ong, PhD		
(12 min presentation, 3 min Q&A)	University of Wisconsin-Madison "Breastfeeding and Traditional Farming Lifestyle Promotes Predominant Bifidobacterium in Infants"		
3:00 pm– 3:15 pm	Jia Fan, PhD		
(12 min presentation,	Tulane University		
3 min Q&A)	"Advances in Mass Spectrometry for Precision Diag Identification"	nostics and Pathogen	
3:15 pm – 3:30 pm	Qing Yu, PhD		
(12 min presentation,	UMass Chan Medical School		
3 min Q&A)	"High-throughput intelligent chemoproteomics for massive protein-ligand insight and targeted drug discovery"		
3:30 pm– 3:45 pm	Tao Chen, PhD		
(12 min presentation, 3 min Q&A)	Absea Biotechnology Ltd. "Platforms and Resources for Proteomics and Beyond"		
		ина Беуона	
4:00 pm – 6:00pm	Reception, Poster Competition & Exhibits	HSLC Atrium	



DAY 2 | August 1

8:00am – 12:00pm	Conference Registration	HSLC Atrium		
<mark>Session I</mark> Chair: Ying Ge, PhD				
9:00	9:00 am – 10:50 am (HSLC 1306, Virtual option available in Zoom)			
	Welcome			
9:00 am – 9:10 am	Allan Brasier, MD			
	Senior Associate Dean			
	Clinical and Translational Research, School of Medicine and Public Healt University of Wisconsin - Madison			
9:10 am - 10:00 am	9:10 am – 10:00 am Keynote Speaker			
(45 min presentation,	Matthias Mann, PhD			
5 min Q&A)	Director, Max-Planck Institute of Biochemistry			
	"Advances in MS-based clinical proteon	mics: from large cohorts analysis to deep		
visual proteomics"		roteomics"		
10:00 am–10:25 am	Akhilesh Pandey, MD, PhD			
(20 min presentation, 5 min Q&A)	Mayo Clinic			
5 mm Q&A)	"From Exploring Biochemical Pathways in Glycosylation to Translation"			
10:25 am– 10:40 am		Greig, PhD		
(12 min presentation, 3 min Q&A)		uker		
	"Expanding Capabilities for a Top-Down World"			
10:40 am – 11:00 am	Break & Exhibits	HSLC Atrium		

	Session II		
Chair: Jonathan Sweedler, PhD			
11:00	11:00 am – 12:05 pm (HSLC 1306, Virtual option available in Zoom)		
11:00 am – 11:25 am (20 min presentation, 5 min Q&A)	Hanno Steen, PhD Harvard Medical School Advances in Body Fluid Proteomics: More from Less and that Much Faster (and Cheaper)		
11:25 am – 11:50 am (20 min presentation, 5 min Q&A)	<i>Lee Eckhardt, MD</i> University of Wisconsin – Madison "Proteomics in Inherited Arrhythmic Conditions; a clinical perspective"		
11:50 am – 12:05 pm (12 min presentation, 3 min Q&A)	<i>Mike Rosenblatt, PhD</i> Promega "Toward Optimal Workflow Solutions for Bottom-Up Proteomics"		
	Lunch Seminars		
12:05 pm	n – 1:20 pm (HSLC 1335 and 1345, Virtual option available in Zoom)		
12:20 pm – 1:20 pm	ThermoFisher Scientific (HSLC 1335)		
	"From Compounds to Clinics: New Innovations in Proteomics"		
	<i>Amanda Lee, PhD</i> Thermo Fisher Scientific Tribrid Product Marketing Manager		
	<i>Matthias Mann, PhD</i> Professor of Proteomics and Signal Transduction Director, Max Planck Institute of Biochemistry		
	Akhilesh Pandey, M.D., Ph.D. Professor, Mayo Clinic		
12:20 pm –1:20 pm	Agilent Technologies (HSLC 1345)		
12.20 pm =1.20 pm	Jonathan Sweedler, PhD		
	University of Illinois Urbana Champaign "Single-Cell Metabolomics via CE-NanoESI-MS"		
	Anna Anders University of Michigan "Development of Native Ion Mobility-Mass Spectrometry (IM-MS) and Collision- Induced Unfolding (CIU) for the Structural Characterization of Non-coding Ribonucleic Acids (ncRNAs)"		
	<i>Gary Patti, PhD</i> Washington University at St. Louis "Spatial Analysis of Metabolic Fluxes by Mass Spectrometry Imaging"		

<u>Rising S</u>	Star Session, Junior (Predoc- an	
	(Sponsored by UW Carbone Car <i>Chairs: Judith Simcox, PhD and T</i>	
1:30	0 pm – 3:10 pm (HSLC 1306, Virtual option	n Available in Zoom)
]	Each finalist will give a 10 min presentation	plus 2 min Q&A.
1:30 pm – 1:42 pm	Isabela Jame University of Wisco "Ceramides increase energy expend	nsin - Madison)
1:42 pm – 1:54 pm	<i>Cory Matsumo</i> University of Illin <i>"Automated Container-less Sample Process</i>	nois-Chicago
1:54 pm – 2:06 pm	Yanqi Tan (Predoc) University of Illinois Urbana – Champaign "Proteomics Assessment of Plasma-Derived Extracellular Vesicles in Exercised Models by nanoLC-DDA-MS"	
2:06 pm – 2:18 pm	Andrew Zhu (Predoc) University of Wisconsin – Madison "Deep Structural Characterization of Metabolites and Metabolic Regulation of Protein Post-Translational Modifications in Diseases"	
2:18 pm – 2:30 pm	Zhan Gao, PhD (Postdoc) University of Wisconsin – Madison "Global Proteoform Analysis in Human Hypertrophic Cardiomyopathy through Top-Down Proteomics"	
2:30 – 2:42 pm	Morgan Mann, PhD (Postdoc) Stanford University "High Resolution Liquid Chromatography – Mass Spectrometry (LC-MS) For Rapid, High-Throughput Clinical Testing of β2-Transferrin in Human Nasal Secretions"	
2:42 – 2:54 pm	Pei Su, PhD (Postdoc) Northwestern University "AutoPiMS: spatially-resolved top-down mass spectrometry enables proteoform- level spatial biology of ovarian cancer"	
2:54 – 3:06 pm	<i>Lyndsay Young, PhD (Postdoc)</i> Medical University of South Carolina "Multi-Omic Application of MALDI-MSI and MALDI-IHC for Biomolecular Profiling of Immune Cells in Tissues and Single Cells"	
3:10 pm – 3:30 pm	Break & Exhibits	HSLC Atrium

Session III		
Chair: Zhicheng Jin, PhD and Xin Yi, PhD 3:30 pm – 5:00 pm (HSLC 1306, Virtual option Available in Zoom)		
3:30 pm – 3:55 pm (20 min presentation, 5 min Q&A)	David Murray, MD, PhD Mayo Clinic "Bringing Mass Spectometry to the Care of Patients with Monoclonal Gammopathies"	
3:55 pm – 4:20 pm (20 min presentation, 5 min Q&A)	Ruben Luo, PhD, DABCC Stanford University "Clinical Diagnosis on Hemoglobin Variants and Monoclonal Immunoglobulins: Application of Top-Down Mass Spectrometry and Exploration of Single-Molecule Protein Sequencing"	
4:20 pm – 4:45 pm (20 min presentation, 5 min Q&A)	<i>Si Wu, PhD</i> University of Alabama "Ultrasensitive top-down using spray-capillary CE-FAIMS-MS"	
4:45 pm – 5:00 pm	Awards & Closing Remarks	
School of Medicine and Public Health Human Proteomics Program		