



Sunday, April 24th, 2022

5:00pm – 6:00pm	Registration at the Registration Desk
6:00pm – 6:30pm	Event Opening: Welcome and Presentation (J.McLaughlin, Ulster University), D.Cobice (IMSS School chair), M. Kinsella (IMSS chair)
6:30 pm – 7:00 pm	Opening Lecture: Professor Ron Heeren (M4I, Maastricht, The Netherlands) Chair: D Cobice (Ulster)
7:00 pm – 9:00 pm	Welcome Reception at the Academy Restaurant

Monday, April 25th, 2022

8:30 am - 9:30 am	Mo-1: Introduction to Mass Spectrometry	J. Langley (University of Southampton) Chair: S McClean (Ulster)
9:30 am - 10:30 am	Mo-2: Ionisation techniques I (EI, CI)	G. Giorgi (University of Siena, Italy) Chair: M Kinsella (WIT)
10:30 am - 11:00 am	Morning Coffee Break and Poster display board	
11:00 am - 12:00 pm	Mo-3: Ionisation techniques II (ESI, APCI, APPI and new developments)	D. Kilgour (Nottingham Trent University, UK) Chair: S McClean (Ulster)
12:00 pm - 1:00 pm	Mo-4: Ionisation techniques III (LDI, MALDI, LAESI) and new developments	R. Heeren (M4I, Maastricht, The Netherlands) Chair: M Kinsella (WIT)
1:00 pm – 3:00 pm	Lunch Break at the Academy Restaurant / City sightseeing	
3:00 pm – 4:00 pm	Mo-5: Ambient Ionisation techniques	H. Cooper (Birmingham, UK) Chair: L MacKay (UoE)
4:00 pm – 4:30 pm	Afternoon Coffee Break and Poster display board	
4:30 pm – 5:30 pm	Mo-6: Separation techniques in MS (hyphenated techniques)	J. Langley (University of Southampton) Chair: D Cobice (Ulster)
5:30 pm – 7:00 pm	Poster talks I (Wilson 1st, Lemos, 2nd, O’Keeffe 3rd)	D. Cobice (Ulster, University) L. Mackay (University of Edinburgh)
7:00 pm – 9:00 pm	Dinner at the Academy Restaurant	





Tuesday, April 26th, 2022

8:30 am - 9:30 am	Tu-1: Quadrupoles Filter and Ion Traps	D. Kilgour (Nottingham Trent University, UK) Chair: D Clarke (UoE)
9:30 am - 10:30 am	Tu-2: High Resolution MS: TOF-Orbitraps and FT-ICR	G. Giorgi (University of Siena, Italy) Chair: D Cobice (Ulster)
10:30 am - 11:00 am	Morning Coffee Break and Poster display board	
11:00 am - 12:00 pm	Tu-3: Tandem Mass Spectrometry: Fundamentals and dissociation mechanisms	J. Langley (University of Southampton) Chair: L MacKay (UoE)
12:00 pm – 1:00 pm	Lunch Break at the Academy Restaurant	
1:00 pm – 5:00 pm	“Workshop on Ion Mobility and Imaging Mass Spectrometry”	
	Keynote Lectures	
1:00 pm – 2:00 pm	W-IM/MS-1: “Ion Mobility Mass Spectrometry”	H. Cooper (Birmingham, UK) Chair: M Kinsella (WIT)
2:00pm-3:00pm	W-IM/MS-1: “Imaging Mass Spectrometry”	R. Heeren (M4I, Maastricht, The Netherlands) Chair: D Cobice (Ulster)
3:00 pm – 3:30 pm	Afternoon Coffee Break and Poster display board	
3:30 pm – 5:30 pm	Sponsor Presentations: Chair: D Cobice (Ulster)	
3:30 pm – 4:00 pm	Novel Pixelated Detector for Mass Spectrometry Imaging” (ASI)	
4:00 pm – 4:30 pm	“Uniform Field Drift Ion Mobility Mass Spectrometry from Fundamentals to Practice: 6560C IM-Q/TOF Improving Coverage and Confidence” (Agilent)	
4:30 pm – 5:00 pm	“Pushing the Limits of MALDI Imaging by Trapped Ion Mobility Spectrometry” (Bruker Daltonics)	
5:00 pm – 5:30 pm	“Enhanced sensitivity, selectivity and specificity in Mass Spectrometry Imaging” (Waters)	
5:30 pm – 6:00 pm	VRS Careers talk – The working world and how to conquer it	
6:00 pm – 7:00 pm	Poster talks II (Mitra 1st, Angeli 2nd)	M. Kinsella (WIT) D Cobice (Ulster University)
8:00 pm-12:00 am	Gala Dinner (Belfast City Hall)	





Wednesday, April 27th, 2022

8:30 am - 9:30 am	We-1: "Introduction to ICP-MS and Applications in the Pharmaceutical Industry"	D. Izmer (Almac Sciences, UK) Chair: S McClean (Ulster)
9:30 am - 10:30 am	We-2: Proteomics	S. Pennington (UCD, Conway, Ireland) Chair: S McClean (Ulster)
10:30 am - 11:00 am	Morning Coffee Break and Poster display board	
11:00 am - 12:00 pm	We-3: The role of mass spectrometry-based proteomics	G. Oliviero/K. Wynne (UCD, Ireland) Chair: D. Cobice (Ulster)
12:00 pm - 2:00 pm	Lunch Break at the Academy Restaurant / City sightseeing	
2:00 pm - 6:00 pm	"Workshop Omics//Detector Technology and Data Processing"	
	Keynote Lectures	
2:00 pm - 3:00 pm	W-K1: Top-Down Mass Spectrometry	D. Kilgour (Nottingham Trent University, UK) Chair: L. MacKay (UoE)
3:00 pm - 4:00 pm	W-K2: HDX-MS for the Analysis of Protein Structure, Conformation, and Dynamics - Theory and Applications.	D. Clarke (UoE, UK) Chair: L. MacKay (UoE)
4:00 pm - 5:30 pm	Sponsor presentations: Chair: D Clarke (UoE)	
4:00 pm - 4:30 pm	"Proteomics using the Bruker timsTOF platform" (Bruker Daltonics)	
4:30 pm - 5:00 pm	"Impact of increased MS/MS sensitivity in targeted and untargeted metabolomics on the ZenoTOF 7600 LC-MS/MS System" (SCIEX)	
5:00 pm - 5:30 pm	"Enhancing Mass Spectrometry capability through the use of multidimensional chromatography" (Agilent)	
5:30 pm - 7:00 pm	Poster talks III (Traynor 1st, Guirro 2nd, Weiss 3rd)	D Clarke (UoE) L. Mackay (UoE)
7:00 pm - 9:00 pm	Dinner at the Academy Restaurant	





Thursday, April 28th, 2022

9:30 am - 10:30 am	Th-1: Proteomics Bioinformatics	G.Oliviero (UCD, Ireland) Chair: D Clarke (UoE)
10:30 am - 11:00 am	Morning Coffee Break and Poster display board	
11:00 am - 12:00 pm	Th-2: Native Mass Spectrometry	J. Bones (NIBRT, Ireland) Chair: D Clarke (UoE)
12:00 pm - 1:00 pm	Th-3: Mass Spectrometry in Forensic analysis	J. Bradley (UCD, Ireland) Chair: D. Cobice (Ulster)
1:00 pm – 2:00 pm	Lunch Break at the Academy Restaurant	
2:00 pm – 3:00 pm	Th-4: Mass Spectrometry in Pharmaceutical R&D	E. Mullen (Horizon Therap, US) Chair: D. Cobice (Ulster)
3:00 pm – 4:00 pm	Th-5: Mass Spectrometry in food analysis	C. Elliott (QUB, UK) Chair: L MacKay (UoE)
4:00 pm – 4:30 pm	Afternoon Coffee Break and Poster display board	
4:30 pm – 5:30 pm	Th-6: Metabolomic and lipidomics	E. Ryan (UCC, Ireland) Chair: L MacKay (UoE)
5:30 pm – 6:00 pm	VRS CV workshop – How to best represent yourself in a growing market.	
6:30- pm – 8:00 pm	Facility tour to the institute for global food security (The ASSET lab) at QUB	C. Elliott (QUB, UK)

Friday, April 29th, 2022

9:00 am - 10:00 am	Fr-1: Analysis of complex mixtures by FT-ICR-MS	L. MacKay (UoE, UK) Chair: D Clarke (UoE)
10:00 am - 11:00 am	Fr-2: Environmental Mass Spectrometry “Mass Spectrometry: A New Dawn for the Water Industry”	M. Collins (NI Waters, UK) Chair: D. Cobice (Ulster)
11:00 am - 11:30 am	Morning Coffee Break and Poster display board	
11:30 am - 12:30 pm	Closing Lecture “Biomarkers of food intake identified by mass spectrometry”	Xiaofei yin (UCD, Ireland) Chair: D. Cobice (Ulster)
12:30 pm – 1:00 pm	Awards and Closing ceremony	

