Programme - Friday 10th November 2023

9:00 – 9:45	**Conference Registration**
Session 1 (Chair: Aneika Leney, University of Birmingham)	
9:40 – 9:45	Welcome and Introduction to BMS-SIG
9:45 – 10:30	**Keynote Lecture** **Idlir Liko (Omass Therapeutics): Native MS takes the central stage - Enabling the development of novel medicines**
10:30 – 10:45	Ikhlas Mohamed Mohamud Ahmed (University of Strathclyde): Ion mobility mass spectrometry unveils conformational effects of drug lead-EPI-001 on the intrinsically disordered N-terminal domain of the Androgen receptor
10:45 – 11:00	Sarah Vickers (University College London/Birkbeck College London): Ion mobility mass spectrometry reveals oligomerisation intermediates in alpha-1 antitrypsin deficiency
11:00 – 11:45	**Coffee Break**
Session 2 (Chair: Kish Adoni, University College London)	
11:45 – 12:00	Niklas Geue (University of Manchester): Lessons from native ion mobility mass spectrometry applied to supramolecular complexes
12:00 – 12:15	Jaspreet Sound (University of Birmingham): Native mass spectrometry is a powerful tool to probe the evolution of photosynthesis in cyanobacteria
12:15 – 12:30	Anthony Devlin (Rosalind Franklin Institute): Structural elucidation of glycosaminoglycans (GAGs) using trapped ion mobility spectrometry (TIMS)
12:30 – 12:45	Poster flash talks (Chair: Joseph Gault, AstraZeneca)
12:45 – 2:00	**Lunch and Posters**
Session 3 (Chair: Kelechi Uleanya, University of York)	
2:00 – 2:15	Dan McGill (Rosalind Franklin Institute): Cold argon plasma for non-enzymatic digestion of proteins and peptides
2:15 – 2:30	Emma Sisley (University of Birmingham): Tissue washing improves native ambient mass spectrometry detection of membrane proteins directly from tissue.
2:30 – 2:45	Glenn Masson (University of Dundee): Structural basis of small molecule PI3kalpha activators via HDX-MS
2:45 – 3:30	**Coffee and Posters**
Session 4 (Chair: Alice Colyer, University of Leeds)	
3:30 – 3:45	Cameron Baines (University of Nottingham): Carbene footprinting of EF-Tu in complex with contrasting Elfamycin antimicrobials
3:45 – 4:15	**Keynote Lecture** **Frank Sobott (University of Leeds): Molecular Footprints of Proteins**
4:15 – 4:30	Closing address and prizes

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