

BMSS BioMS SIG 2026 - Posters

1. Characterising light harvesting complexes by an integrative structural biology approach - *Tali Stonehouse & Holly O'Brien, University of Birmingham*
2. Pin-pointing Phosphorylation-dependent Pin1 Binding in Alzheimer's Disease using an Integrated Mass Spectrometry Approach - *Niki Brooks, University of Birmingham*
3. Design and Characterisation of Photoactivatable and Lysine Reactive o-Nitrobenzyl Alcohol-Based Crosslinkers - *Adam Cahill, Astbury Centre for Structural Molecular Biology*
4. Soft-landing IM-MS for IDP structure elucidation - *Hannah Chesher, University of Manchester*
5. Mapping the Conformational Landscape of the Cold-Regulated Intrinsically Disordered Protein COR15A - *Flora Cheung, University of Manchester*
6. The Return of Sulpha Drugs: Structural Dynamics of Protein-Drug Interactions using HDX-MS - *Shreya Coimbatore Saravanan, University of Oxford*
7. Investigation of a mobility-enabled high duty cycle acquisition mode for top-down mass spectrometry - *Dale Cooper-Shepherd, Waters Corporation*
8. Implementing HDX-MS and native IM-MS workflows within Biologics Engineering at AstraZeneca - *Melissa Coxhead, Analytics & Developability, Biologics Engineering, AstraZeneca*
9. High-resolution cryoEM structure determination of soluble proteins after soft-landing ESIBD - *Lukas Eriksson, Kavli Institute, University of Oxford*
10. Enhancing Subunit-Analyses of Multispecific Antibodies Through a Bioinformatics Approach - *Alison Fielder, Analytics & Developability, Biologics Engineering, AstraZeneca*
11. Evaluating the mobility-to-size relationship of nanosized ions across size-pressure scales in Ion Mobility Spectrometry (IMS) - *Kacper Kulikowski, Waters Corporation*
12. The Unique Evolutionary Adaptation of HSPB7 to Protect Filamin C under Biomechanical Stress - *Clare Mcfall, Kavli Institute, University of Oxford*
13. Rapid non-enzymatic protein digestion with radiofrequency cold argon plasmas - *Dan McGill, Rosalind Franklin Institute*
14. Characterisation of an Unusual *Porites lutea* Small Heat Shock Protein - *Siong Chen Meng, University of Oxford*
15. Structural elucidation of small heat shock proteins through the couples use of ESIBD and cryo-EM - *Noor Naseeb, University of Oxford*
16. Dissecting the assemblies and interactions of heteromeric complexes using native and tandem mass spectrometry - *Francesca Naughton - Allen, Kavli Institute, University of Oxford*
17. Mapping transient, short linear motif-mediated protein-protein interactions using photo-crosslinking top-down mass spectrometry - *Yee-Man Michelle Pang, University of Edinburgh*
18. Protein cross-linking mass spectrometry as a core facility service - *Christopher Taylor, University of York*
19. The development of a microfluidic assay for single cell Epidermal Growth Factor Receptor capture - *Hannah West, University of Oxford*
20. Multi-level characterization of human Osteopontin proteoforms - *Konstantin C. Zouboulis, Kavli Institute, University of Oxford*
21. Automation of thermodynamic parameter analysis of protein complexes - *Marcus Macht, MS Vision*
22. MRC Funded Small Molecule High Throughput Screening: Leveraging AstraZeneca Facilities and Compound Library - *Hannah Semple, Hit Discovery, Discovery Sciences, AstraZeneca*
23. Development of a vendor agnostic, optical fibre-based IR-MALDESI interface for high-throughput analysis - *Jon Wingfield, TTP*
24. Accelerating cyclic peptide hit optimization using a novel affinity selection mass spectrometry (ASMS) platform - *Leran Zhang, Hit Discovery, Discovery Sciences, AstraZeneca*