

MONDAY, NOVEMBER 18

- 7:30 - 9:00 am** Continental Breakfast & Badge pick-up, Republic Ballroom
- 9:00 - 12:00 pm** **Session A: Introduction to Native Mass Spectrometry**
Art Laganowsky, Presider
- 9:00 - 9:30 am Overview/History of Native MS
Carol Robinson, *University of Oxford*
- 9:40 – 10:00 am Sample Preparation for Native MS
Oliver Hale, *University of Birmingham*
- 10:10 - 10:30 am Instrumentation for Native MS
Brandon Ruotolo, *University of Michigan*
- 10:40 - 11:00 am** **Morning Break**
- 11:00 - 11:20 am Ion Activation for Native MS
David Russell, *Texas A&M University*
- 11:30 - 11:50 am Data Analysis for Native MS
Oliver Hale, *University of Birmingham*
- 12:00 - 1:00 pm** **Group Photo & Lunch hosted by ASMS, Back Bay D**
- 1:00 - 5:30 pm** **Session B: Different Modalities (Mab, bsAb, ADC, LNP, Nucleic Acids, AAV)**
Dave Russell, Presider
- 1:00 - 1:30 pm Native MS of Antibodies (Mab, bsAb, ACD)
Brandon Ruotolo, *University of Michigan*
- 1:40 - 2:10 pm Native MS of Nucleic acids/Nucleoproteins
Vicki Wysocki, *Georgia Institute of Technology*
- 2:20 - 2:40 pm** **Afternoon Break**
- 2:40 - 3:10 pm Native MS of LNPs
Art Laganowsky, *Texas A&M University*
- 3:20 - 3:40 pm Native MS of AAVs and Glycoproteins
Vicki Wysocki, *Georgia Institute of Technology*
- 3:50 - 4:20 pm nMS of Membrane Protein Complexes
Carol Robinson, *University of Oxford*
- 4:30 - 5:30 pm** **Roundtable Discussion**
Guodong Chen, Discussion Leader
- 5:30–6:30 pm** **Reception (continue discussions), Republic Ballroom**

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TUESDAY, NOVEMBER 19

- 7:30 - 9:00 am** Continental Breakfast, Republic Ballroom
- 9:00 - 12:00 pm** **Session A: Ligand Binding/Ternary Complexes, Degraders**
Shaun McLoughlin, President
- 9:00 - 9:30 am nMS in Targeted Protein Degradation
Shaun McLoughlin, *AbbVie*
- 9:40 - 10:10 am Protein-ligand Binding Thermodynamics
Dave Russell, *Texas A&M University*
- 10:20 - 10:40 am** **Morning Break**
- 10:40 - 11:10 am Membrane Protein Ligand Interactions
Art Laganowsky, *Texas A&M University*
- 11:20 - 11:50 am LESA and DESI Analyses
Oliver Hale, *University of Birmingham*
- 12:00 - 1:00 pm** **Lunch hosted by ASMS, Back Bay D**
- 1:00 - 5:00 pm** **Session B: Regulatory Concerns, Biologics Characterization, High Throughput & Batch QC**
Guodong Chen, President
- 1:00 - 1:30 pm Quality Attributes in Biologics Development
Guodong Chen, *BMS*
- 1:40 - 2:10 pm Native MS for Protein Expression QC
Vicki Wysocki, *Georgia Institute of Technology*
- 2:20 - 2:40 pm** **Afternoon Break**
- 2:40 - 3:10 pm CIU for High throughput/Batch QC
Brandon Ruotolo, *University of Michigan*
- 3:20 - 3:50 pm Native MS in a Therapeutics Platform
Carol Robinson, *University of Oxford*
- 4:00 - 5:00 pm** **Roundtable Discussion**
Shaun McLoughlin, Discussion Leader
- 5:00 pm Closing Remarks