



**2017 ASMS Fall Workshop**  
**Top-Down Mass Spectrometry**

Hyatt Regency Boston Harbor, Boston, MA

Organizers: Ying Ge, *University of Wisconsin*

& Ljiljana Paša-Tolić, *Pacific Northwest National Laboratory*

**Thursday, November 2**

- 7:30 - 8:15 Badge pick-up & continental breakfast, *Grand Ballroom Lobby (2<sup>nd</sup> Floor)*  
8:15 - 8:30 Welcome, Ying Ge & Ljiljana Paša-Tolić, *Grand Ballroom A&B*  
8:30 – 9:20 01 Introduction to Top-Down Mass Spectrometry, Joseph A. Loo, *UCLA*  
9:20 – 10:10 02 Instrumentation for Top-Down Mass Spectrometry, Ron Heeren, *Maastricht University*  
10:10 – 10:30 Coffee Break  
10:30 – 11:20 03 Sample Preparation for Top-Down MS, Jeff Agar, *Northeastern University*  
11:20 - 12:10 04 Chromatographic Separation Strategies for Top-Down Proteomics, Ying Ge, *UW-Madison*  
12:10 - 1:30 Group Lunch hosted by ASMS, *Grand Ballroom C*  
1:30 - 2:20 05 Tandem MS Techniques for Top-Down Proteomics, Jennifer Brodbelt, *UT-Austin*  
2:20 - 3:10 06 Quantitative Strategies in Top-Down Proteomics, Caroline DeHart, *Northwestern U.*  
3:10 – 3:30 Coffee Break  
3:30 – 4:20 07 How to Interpret Top-Down High-Resolution MS Data, Ying Ge, *UW-Madison*  
4:20 – 5:10 08 Bioinformatics for Top-Down Proteomics: An Overview, Ljiljana Paša-Tolić, *PNNL*  
5:10 – 6:30 Hosted bar, Thank you to our sponsors!  
6:30 Dinner on your own



**FRIDAY, NOVEMBER 3**

- 7:30 - 8:30 Continental Breakfast  
8:30 – 9:20 09 Top-Down Mass Spectrometry Analysis of Post-Translational Modifications: Case Studies, Cathy E. Costello, *Boston University*  
9:20 - 10:10 10 Top-Down Imaging Mass Spectrometry, Ron M. A. Heeren, *Maastricht University*  
10:10 - 10:30 Coffee Break  
10:30 - 11:20 11 Top-Down Proteomics Applications in Human Disease, Jeff Agar, *Northeastern University*  
11:20 – 12:10 12 Top-Down Proteomics Applications in the Pharmaceutical Industry, Michelle English, *Pfizer, Inc.*  
12:10 - 1:30 Group Lunch hosted by ASMS, *Grand Ballroom C*  
1:30 – 2:20 13 Top-Down Proteomics Applications in Microbiology, Ljiljana Paša-Tolić, *PNNL*  
2:20 - 3:10 14 Top-Down LC/MS Strategies in Analysis of Antibody-Drug Conjugate (ADC), Lieza Dana-Leon, *GPX Biosciences*  
3:10 - 3:30 Coffee Break  
3:30 - 4:20 15 Native Top-Down Proteomics of Protein Complexes, Joseph A. Loo, *UCLA*  
4:20 - 5:10 16 The Future of Top-Down Proteomics, Neil Kelleher, *Northwestern University*