

# NEWS AND VIEWS



Correspondence to: Gavin E. Reid; e-mail: [gavin.reid@unimelb.edu.au](mailto:gavin.reid@unimelb.edu.au)

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## Announcements

For more information and online registration for any of the conferences listed below, please visit [www.asms.org/conferences](http://www.asms.org/conferences).

### 35<sup>th</sup> Asilomar Conference on Mass Spectrometry

#### Mass Spectrometry Imaging: New Developments and Applications

October 11 - 15, 2019

Asilomar Conference Center  
Pacific Grove, California

<https://www.asms.org/conferences/asilomar-conference>



#### Organizers

Julia Laskin, *Purdue University*

Lingjun Li, *University of Wisconsin-Madison*

Jeffrey Spraggins, *Vanderbilt University*

### ASMS Fall Workshop Atmospheric Pressure Spray Ionization

November 14 - 15, 2019

Sonesta Philadelphia Hotel  
Philadelphia, Pennsylvania

[www.asms.org/conferences/fall-workshop](http://www.asms.org/conferences/fall-workshop)



#### Organizers

Rachel Loo, *UCLA*

Andre Venter, *Western Michigan University*

### ASMS Sanibel Conference Unravelling the Exposome

January 23 - 26, 2020

South Seas Island Resort  
Captiva Island, Florida

<https://www.asms.org/conferences/sanibel-conference>



#### Organizers

Jarod Grossman, *Agilent Technologies*

Anthony Macherone, *Agilent*

*Technologies & Johns Hopkins University School of Medicine*

## 1<sup>st</sup> European Top-Down Proteomics Symposium



The 1<sup>st</sup> European Top-Down Proteomics Symposium was held on February 12-14, 2019 at the Institut Pasteur in Paris, France. The symposium, jointly organized by Julia Chamot-Rooke (Institut Pasteur) and the Consortium for Top-Down Proteomics (CTDP; [www.topdownproteomics.org](http://www.topdownproteomics.org)), focused on advanced technologies and approaches associated with top-down proteomics and the analysis of intact proteins and protein complexes using high-resolution mass spectrometry, including the latest developments in instrumentation, sample preparation, intact protein fractionation/separation, data analysis, as well as applications in life sciences and human health. Top-down proteomics is an emerging technology that offers an unprecedented level of accuracy in detecting differentially modified intact proteins (proteoforms) and associated complexes. The 2-day meeting featured 4 plenary lectures (Amy Herr, University of California Berkeley, USA; Albert Heck, Utrecht University, The Netherlands; Vicki Wysocki, Ohio State University, USA; Carol Robinson, University of Oxford, United Kingdom), 9 keynote lectures, 6 contributed talks, and 38 posters that featured the current advances of top-down proteomics. Over the past few years, a number of studies have already showcased the potential of this disruptive technique for unraveling disease mechanisms and discovering new biomarkers. Three separate round table sessions engaged the attendees in lively discussions on the future directions, challenges, and opportunities for top-down proteomics. Over 150 attendees also had the opportunity to learn more about the history of scientific discoveries made at the Institut Pasteur. There is no better way to promote fruitful and creative scientific interactions than by dining on fine French food and wine while on an evening cruise on the Seine River with the lighted Eiffel Tower in the background.

- contributed by Joe Loo (*UCLA*)

## Webcasts from the Annual Conference

Webcasts of all oral presentations from the 67<sup>th</sup> ASMS Conference on Mass Spectrometry and Allied Topics held June 2 - 6, 2019 in Atlanta, GA, can be viewed by conference registrants at <https://www.pathlms.com/asms>. To access the webcasts, sign in using your ASMS credentials.

ASMS members also have year-round access to webcasts of the annual conference Tutorial, Plenary, and Award lectures from 2006-present, hosted on the ASMS website at <http://www.asms.org/publications/award-plenary-and-tutorial-lectures>.

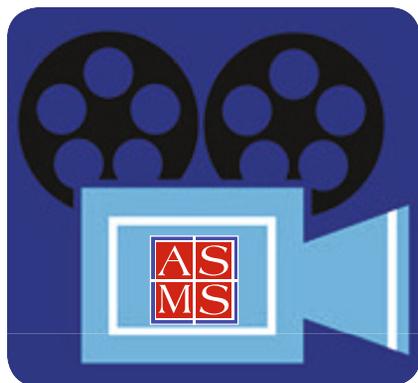
## Mass Spectrometry Tutorial Videos

As a resource to the community, and to provide information for those interested in learning more about fundamental and applied aspects of mass spectrometry, ASMS is compiling a library of introductory tutorial videos on 'The Basics of Mass Spectrometry'. To date, five videos have been created and posted to the ASMS website (<https://www.asms.org/about-mass-spectrometry>). These are:

- 'Ionization Methods', presented by David C. Muddiman (North Carolina State University)
- 'Mass Analyzers', presented by Richard Vachet (University of Massachusetts Amherst)
- 'Tandem Mass Spectrometry, or MS/MS', presented by Scott A. McLuckey (Purdue University)
- 'Imaging Mass Spectrometry: An Overview', presented by Michelle Reyzer (Vanderbilt University)
- 'Nested Ion Mobility-TOF Mass Spectrometry', presented by David E. Clemmer (Indiana University)

If you have suggestions for future tutorial video projects, or other Educational content for the website, please contact the Member-at-Large for Education, or a member of the Education

committee (<http://www.asms.org/about/asms-leadership/committees/education>).



## Mass Spectrometry History Information

To learn more about the history of mass spectrometry and ASMS, go to <https://www.asms.org/about/history/about-asms-and-ms-history>. Here you will find links to a collection of oral histories of scientists important to the history of mass spectrometry, a series of history posters (available for download) illustrating the time line of the ASMS, historical instruments, and other historical developments, and several history videos including one entitled 'The First Fifty Years of Mass Spectrometry: Building a Foundation', presented by Michael L. Gross (Washington University, St. Louis) as a plenary lecture during the 2013 ASMS Annual Conference in Minneapolis.

## ASMS Discussion Group Speaker Travel Awards

The ASMS has allocated funds to support an ASMS-sponsored speaker program, with the objectives to (i) support vibrant seminar programs at local MS discussion groups, (ii) increase exposure of students at non-Ph.D. granting institutions to research in mass spectrometry, and (iii) promote exposure and professional development of young MS professionals at the onset of an independent research career.

Any ASMS member at the rank of Assistant Professor (at the time of invitation) is eligible to receive support, with no more than two sponsored trips per calendar year per speaker. Eligible hosts may be (i) any North American MS discussion group or (ii) any North American non-Ph.D. granting college or university, with no single host to propose more than two ASMS-sponsored events in a calendar year.

Additional information regarding the program, including the application process and eligible expenses (travel, meals, lodging and expenses up to \$1500 per event, until the annual budget for the program is exhausted) may be found at: <http://www.asms.org/member-center/discussion-groups>.

## Student and Post-Doc Travel Support for ASMS Small Conferences

Generous travel stipends are available to both full-time graduate students and post-docs within two years of their first appointment to attend the ASMS Asilomar Conference, Fall Workshop, and Sanibel Conference. Each stipend provides up to \$750 for reimbursement of travel and lodging expenses. Stipend recipients also receive complimentary conference or workshop registration.

For more information regarding the application requirements, including submission deadlines, please see <http://www.asms.org/conferences>.

## Related Events

ASMS is pleased to offer announcements for other non-profit organizations. Please email details including website to [info@asms.org](mailto:info@asms.org).

### July 7 – 13, 2019

**13<sup>th</sup> Mass Spectrometry School in Biotechnology and Medicine (MSBM)**  
Dubrovnik, Croatia  
<http://www.msbm.org/>

### July 21 – 25, 2019

**Advancing Mass Spectrometry for Biophysics and Structural Biology (AMS)**  
University of Massachusetts, Amherst, MA  
<https://advancingms.org/>

### September 15 – 18, 2019

**18<sup>th</sup> Human Proteome Organization World Congress**  
Adelaide, South Australia, Australia  
<https://www.hupo2019.org>

### September 22 – 26, 2019

**MSACL 2019 EU 6<sup>th</sup> Annual European Congress**  
Salzburg, Austria  
<https://msacl.org/>

### October 13 – 18, 2019

**SciX presented by FACSS**  
Palm Springs, CA  
<https://www.scixconference.org/>

### December 4 – 7, 2019

**32<sup>nd</sup> Annual Tandem Mass Spectrometry Workshop**  
Lake Louise, Alberta, Canada  
<http://lakelouisemsms.org/>

### January 5 – 7, 2020

**8<sup>th</sup> Asia-Oceania Mass Spectrometry Conference**  
Hong Kong  
<http://www.aomsc2020.org/>