

## 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*

## Awards

### Professor Dame Carol

**Robinson** (University of Oxford) was presented the 2019 Stein & Moore Award from the Protein Society during their annual symposium held June 30 - July 3, 2019 in Seattle, WA. The Stein & Moore Award, named for Nobel laureates Dr. William Stein and Dr. Stanford Moore, venerates their contribution to understanding the connection between chemical structure and catalytic activity of the active center of the ribonuclease enzyme. Established in 1986, the Stein & Moore Award is given to recognize eminent leaders in protein science who have made sustained high impact research contributions to the field. Professor Robinson was recognized for her contributions to the development and applications of mass spectrometry to obtain insights into the structure and interactions of membrane protein complexes, and their modulation through lipid and drug binding, and for her role in establishing a new field - that of structural biology in the gas phase.



*Dame Carol Robinson*

## Highlights from the 67<sup>th</sup> Annual ASMS Conference

*June 2 - 6, 2019, Atlanta, GA*

### *John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry*

The 2019 John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry was presented at the ASMS Conference in Atlanta to Professor **John R. Yates III** (Scripps Research Institute). The award recognizes a focused or singular achievement in fundamental or applied mass spectrometry. Previously known as the ASMS Award for a Distinguished Contribution in Mass Spectrometry, this award was renamed in 2018 to honor the memory of Professor John B. Fenn, who shared the Nobel Prize in Chemistry in 2002 for the development of Electrospray Ionization. Professor Yates was recognized for his seminal contributions to the field of proteomics, including

development of the SEQUEST algorithm for automated, large-scale interpretation of peptide tandem mass spectral data.



2019 John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry recipient Professor John R. Yates III (right), with ASMS President Professor Richard A. Yost (left).

### **Biemann Medal**

The 2019 Biemann Medal was presented at the ASMS Conference in Atlanta to Professor **Sarah Trimpin** (Wayne State University). The Biemann Medal, initially established by contributions from students, postdoctoral associates and friends to honor Professor Klaus Biemann, is awarded to an individual early in their career, in recognition of significant achievement in basic or applied mass spectrometry. Prof. Trimpin was awarded the medal for her discovery and development of novel ionization processes involving the use of solid matrices that produce highly charged ions upon laser ablation using MALDI ion sources, and also matrix compounds that spontaneously produce multiply charged analyte ions when exposed to vacuum, without need for heat, nebulizing gases, laser, or voltage.



2019 Biemann Medal recipient Professor Sarah Trimpin (left), with ASMS President Professor Richard A. Yost (right).

### **Al Yergey Mass Spectrometry Scientist Award**

The Al Yergey MS Scientist Award was established in 2019 to recognize dedication and significant contributions to mass spectrometry-based science by “unsung heroes.” Sponsored by ASMS, the award is named in memory of Al Yergey, a well-

respected scientist who served 45 years at the National Institutes of Health where he was known as a dedicated mentor. The inaugural recipient of this award is Dr. **Jeffrey Shabanowitz** (University of Virginia). Dr. Shabanowitz is Principal Scientist in Professor Don Hunt’s laboratory at the University of Virginia, where he has coauthored more than 330 peer-reviewed scientific papers and is co-inventor on ten issued patents. He played a major role in development of peptide sequence analysis by tandem mass spectrometry. The methods and instrumentation he helped to develop underpin the field of proteomics, and have led to major breakthroughs, especially in immunology and epigenetics research. He has also been a valued mentor to dozens of graduate students, postdocs, and visiting scientists.



2019 Al Yergey MS Scientist Award recipient Dr. Jeffrey Shabanowitz (left), with ASMS President Professor Richard A. Yost (right).

### **ASMS Research Awards**

ASMS Research awards were presented to Assistant Professor **Nicolas L. Young** (Baylor College of Medicine), Assistant Professor **Eleanor Browne** (University of Colorado, Boulder) and Assistant Professor **James F. Davies** (University of California, Riverside) at the 2019 ASMS business meeting. The goal of these awards is to promote academic research in mass spectrometry by young scientists in mass spectrometry, and are fully supported by Thermo Fisher Scientific, Waters Corporation, and Bruker. The awards, presented annually, are open to academic scientists within four years of joining their first tenure track faculty position or equivalent in a North American university. Applicants must be members of ASMS, and may not have previously received an award under this program. The awards of \$35,000 each will be made to the university in the name of the selected individual and for the researcher’s exclusive use.



2019 ASMS Research Award winner Nicolas L. Young (right), with Iain Mylchreest (Thermo Fisher Scientific) (left).



2019 ASMS Research Award winner Eleanor Browne (right), with Lance Nicolaysen (Waters Corporation) (left).



2019 ASMS Research Award winner James F. Davies (left), with Rohan Thakur (Bruker) (right).

### Award for Research at a Primarily Undergraduate Institution

The inaugural recipient of the Research at Primarily Undergraduate Institutions (PUIs) Award is Assistant Professor **Callie Cole**, Department of Chemistry at Fort Lewis College in Durango, CO. This award was established in 2019 to promote academic research in mass spectrometry by faculty members and their students at primarily undergraduate institutions (PUIs). Sponsored by Agilent Technologies, and to be presented annually, the award is open to full-time academic scientists at a primarily undergraduate North American college or university. Eligible PUIs are accredited colleges and universities that award Bachelor's degrees and/or Master's degrees but have awarded no more than 20 PhD/DSci degrees in the sciences during the combined previous two academic years. The award,



2019 Research at Primarily Undergraduate Institutions (PUIs) Award recipient Dr. Callie Cole (left) with ASMS President Professor Richard A. Yost (right).

in the amount of \$20,000, will be made to the college or university in the name of the selected individual and for the selected individual's exclusive use. Applicants must be members of ASMS and may not have previously received an award under this program.

### Post Doctoral Career Development Awards

Five ASMS Postdoctoral Career Development Awards were presented at the 2019 ASMS business meeting in Atlanta to Dr. **Christopher Ashwood** (Medical College of Wisconsin), Dr. **Josue Baeza** (University of Pennsylvania), Dr. **Jared Kafader** (Northwestern University), Dr. **Gongyu Li** (University of Wisconsin-Madison) and Dr. **Nicholas Riley** (Stanford University). These awards, provided annually, are open to ASMS members who are currently appointed as a postdoctoral fellow in academia, industry, a government or national laboratory, or at a research institute in North America, within three years of completing their Ph.D. or equivalent degree. Funds from the award are provided to the awardee's institution or institution-related foundation, for their exclusive use on activities that enhance the awardee's professional career development in the field of mass spectrometry.



2019 ASMS Postdoctoral Career Development Award recipients (left to right) Gongyu Li, Christopher Ashwood, Nicholas Riley and Josue Baeza. Not shown: Jared Kafader.

### Ron Hites Award for Outstanding Research Paper in JASMS

The 2019 Ron Hites Award for Outstanding Research Publication in *JASMS* was presented during the ASMS business meeting to Professor **Julia Laskin** (Purdue University) and co-authors **Son N. Nguyen**, **Ryan L. Sonntag**, **James P. Carson**, **Richard A. Corley** and **Charles Ansong**, for their



2019 Ron Hites Award winner Professor Julia Laskin (right), with Professor Ron Hites (left).

paper “Towards High-Resolution Tissue Imaging Using Nano-spray Desorption Electrospray Ionization Mass Spectrometry Coupled to Shear Force Microscopy” (*J. Am. Soc. Mass Spectrom.* 2018, 29, 316-322) Named to honor Professor Ron Hites of Indiana University, who led the creation of *JASMS* in 1988 while president of ASMS, the award recognizes an outstanding presentation of original research published in the journal in the previous two years. Selection of the award winner is based on the paper’s innovative aspects, technical quality, likely stimulation of future research, likely impact on future applications, and quality of presentation.

### Undergraduate Student Poster Awards

To promote and recognize the outstanding mass spectrometry research being carried out by undergraduate students attending the ASMS conference, an undergraduate student poster competition was held on the Sunday evening of the conference during the opening reception. Posters were judged by a panel coordinated by the Undergraduate Research in Mass Spectrometry Interest group. Poster award winners received a certificate and a check for \$300. Congratulations to each of the award winners.



2019 ASMS Undergraduate Student poster award winners (left to right) Virginia James (College of Charleston), Shubhneet Warar (Baylor University) and Joshua Ho (University of the Pacific).

### Graduate Student Conference Travel Awards

ASMS Graduate Student Conference Travel Awards recognize graduate students whose academic achievements and current mass spectrometry research display a high level of excellence and distinction. The awards are intended to support ASMS conference travel. Attendance at the conference is required. Applicants must be ASMS student members who are in the 2<sup>nd</sup> year or more of a Ph.D. degree program at the time of the conference, and are the presenting author on an abstract submitted for the ASMS annual conference. Twenty awards of \$1,000 each, as well as free conference registration and a matted certificate, were conferred during the 2019 ASMS business meeting.



2019 ASMS Graduate Student Conference Travel Award winners (Front row, left to right) Wanying Cao (University of Nebraska-Lincoln), Chenxi Liu (University of Arizona), Erika Portero (University of Maryland, College Park), Jaqueline A. Picache (Vanderbilt University), Praveen Kumar (University of Minnesota), Trisha Tucholski (University of Wisconsin - Madison), Kellen DeLaney (University of Wisconsin-Madison), Leah Schaffer (University of Wisconsin-Madison), Marta Sans Escofet (University of Texas at Austin), (Back row, left to right) Elijah McCool (Michigan State University), Naren Gajenthra Kumar (Virginia Commonwealth University), Savannah Snyder (The University of Akron), Kristen Fowle (University at Albany-SUNY), Molly Blevins (University of Texas at Austin), Sean Cleary (University of Oregon), Mariel Coradin (University of Pennsylvania) and Yang Tang (Boston University). Not Shown: Ming Cheng (Washington University in St. Louis), Ting-Hao Kuo (National Taiwan University) and Sibylle Pfammatter (IRIC-Université de Montréal).

### Undergraduate Student Conference Travel Awards



2019 Undergraduate Student Conference Travel Award winners (left to right) Amanda Wong (Saint Mary's College of California), Emily Ziperman (Baylor University), Kaylie Kirkwood (North Carolina State University), Anna Iacovino (Duquesne University), Javier Moreno (Florida International University), Shelby Beasley (University of Oklahoma), Abigail Lemmon (University of Pennsylvania) and Alisha Birk (Stanford University). Not shown: Cameron Davis (NHMFL-Florida State) and Richard Dilworth (University of Florida).

ASMS Undergraduate Student Conference Travel Awards recognize undergraduate students whose academic achievements and interest in mass spectrometry research display a high level of excellence and distinction. Applicants must be enrolled full time in an undergraduate degree program or be within one month of graduation at the time of the conference, and be the presenting author on an abstract submitted for the ASMS annual conference. The Awards are intended to support ASMS conference travel. Attendance at the conference is required. Applicants

may also participate in the conference poster competition for undergraduate students. Ten awards of \$500 each, along with free conference registration and a matted certificate, were conferred during the 2019 ASMS business meeting.

## In Memoriam

The ASMS website now contains links (<https://www.asms.org/publications/journal-of-the-american-society-for-mass-spectrometry-group/obituaries-from-jasms>) to *JASMS* articles that celebrate the lives of deceased ASMS members. These remembrances provide unique insights into the careers and contributions of past members of the society, whose work was seminal to the development of our field.

## Science History Institute

ASMS continues to partner with the Science History Institute (formerly the Chemical Heritage Foundation) to preserve the Society's history. As Oral Histories of ASMS members are completed and published, links to the full interviews are added to the History web page of the ASMS website (<https://www.asms.org/about/history/oral-history-project>). The Institute also provides archival storage for ASMS ephemera, both for the Society and for its members. If you have documents of historical importance that you would like to donate e.g., early meeting programs, instrument manuals, photographs or other artifacts – please contact the ASMS Archivist / Historian, Jane Gale ([jane.pjgale@gmail.com](mailto:jane.pjgale@gmail.com)).

## 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).

### 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/>

### September 29 – October 5, 2019

#### NATO Advance Study Institute: Detection, Diagnosis and Health Concerns of Toxic Chemical and Biological Agents

Cetraro, Italy

<https://www.natoasicetraro2019.com/>

### October 13 – 18, 2019

#### SciX presented by FACSS

Palm Springs, CA

<https://www.scixconference.org/>

### October 30 – November 1, 2019

#### Restoring Hope Science Conference 2019 on Precision Medicine and Allied Topics

Accra, Ghana

<https://www.rhsc-2019.uni-rostock.de/>

### 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/>