

NEWS AND VIEWS



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Announcements

For more information and online registration for any of the conferences listed below, please visit www.asms.org/conferences.

67th Annual ASMS Conference on Mass Spectrometry and Allied Topics

June 2 - 6, 2019

Atlanta, Georgia

<http://www.asms.org/conferences/annual-conference/annual-conference-homepage>



submissions to *JASMS*, creative input, and participation in the annual Editorial Board meetings that are held during the ASMS Conference.



JASMS Editor-in-Chief, Joe Loo (2nd from left) with four of the retiring Editorial Board members (from left) Ron Heeren, Peter Armentrout, Stephen Blanksby, and Victor Ryzhov.

Retiring *JASMS* Editorial Board Members

The Journal thanks eight members of the Editorial Board who retire after serving a six-year term from 01/01/2013 to 12/31/2018.

Peter B. Armentrout (Department of Chemistry, University of Utah, USA)

Stephen J. Blanksby (Central Analytical Research Facility, Queensland University of Technology, Brisbane, Australia)

Kathrin Breuker (Institute of Organic Chemistry, University of Innsbruck, Austria)

David E. Clemmer (Department of Chemistry, Indiana University, USA)

Ron M. A. Heeren (MultiModal Molecular Imaging Institute, Maastricht University, The Netherlands)

Kenzo Hiraoka (Clean Energy Research Center, University of Yamanashi, Japan)

Victor Ryzhov (Department of Chemistry and Biochemistry, Northern Illinois University, USA)

Frantisek Tureček (Department of Chemistry, University of Washington, USA)

Editorial Board Members are invited by the ASMS Board of Directors based on several criteria, including being a frequent contributor and reviewer for the Journal. Duties of Editorial Board members include active support of the Journal's editorial functions, i.e., reviewing manuscripts, encouraging

2018 ASMS Workshop on Metabolomics Informatics



The ASMS Fall Workshop on Metabolomics Informatics, organized by Erin Baker (North Carolina State University) and Gary Patti (Washington University at St. Louis), was held on November 29 - 30, 2018 in San Francisco, CA. Approximately 109 attendees listened to presentations by leading experts in the field of metabolomics on the state of data processing. Metabolomics is in high demand among technological specialists as well as biologists and clinicians who see the power of its application. However, although many researchers now have access to metabolomic data, the challenge of interpreting the results has created major obstacles that can prevent the full potential of metabolomics from being realized. The goal of the Workshop was to make attendees aware of the state-of-the-art informatic resources, and also to educate investigators on proper methods for reliably interpreting datasets. Eleven different scientists gave a total of 16 presentations on topics ranging

from peak detection to database searching and compound identification to pathway mapping. Ample time for discussion after each presentation allowed the audience to engage with the presenters. The Workshop was a terrific venue for novices and experts in the field of metabolomics to learn the current best practices and potential future new developments to maximize the value of metabolomic data. (A full report of the Workshop will appear in a future *JASMS* issue).

– Contributed by Joe Loo (UCLA)

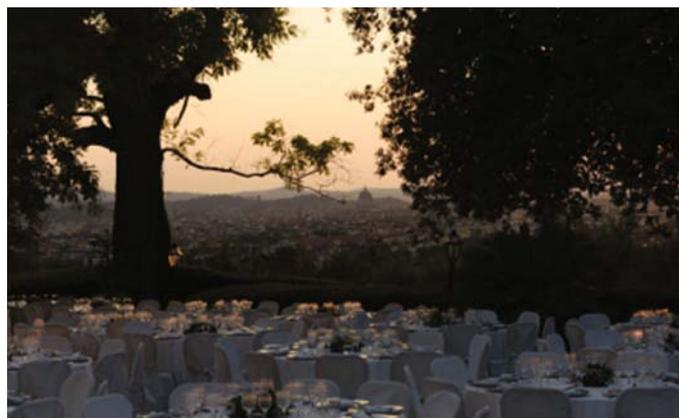


The 22nd International Mass Spectrometry Conference (IMSC), organized by the Division of Mass Spectrometry (DSM) of the Italian Chemical Society and the International Mass Spectrometry Foundation (IMSF), was held in Florence, Italy on August 26-31, 2018. For the over 1725 attendees from 68 different countries, the conference was an unforgettable experience. Florence, with its rich history, beauty, and culture, and of course, the famous Tuscan food and wine, was an ideal location to host a large gathering with a relaxed atmosphere.



Entrance to the Fortezza da Basso

IMSC is not new to Florence. In fact, its seventh edition was hosted in this town in 1976. IMSC #1 was held in London in 1958. And so, the 60th anniversary of IMSC was celebrated in a return visit to Florence.



Setting at the Villa Viviani

The IMSC 2018 venue was in the historic “Fortezza da Basso”, a masterpiece of Renaissance military architecture, built in 1534-1537, fully restored and located nearby many hotels and all the attractions (museums, theatres, monuments, etc.) of the city.



Conference gala dinner

Five short courses, covering different areas of mass spectrometry (fundamentals, foodomics, MS imaging, newborn screening, solid-phase microextraction), were held prior to the main conference (August 25-26). They provided an opportunity for the 116 students to update their knowledge on fundamentals and advanced topics in mass spectrometry. The main conference



(left to right) Donatella Caruso (President of the Division of Mass Spectrometry of the Italian Chemical Society), Gianluca Giorgi (IMSC 2018 Chair), and Cathy Costello (IMSF President)

program consisted of 5 parallel sessions grouped around 5 main topics: life sciences, instrumentation and methods, food and beverage, fundamental mass spectrometry, and organic and inorganic MS - challenges & applications. Plenary, keynote, award, and contributed oral lectures, as well as the poster presentations resulted in 1246 total presentations. With an additional 16 vendor-hosted lunch symposia and 10 late afternoon workshops scheduled during the

week, the conference was packed with content covering nearly all aspects of mass spectrometry. Over 500 students attended the conference; 85 fellowships and travel awards were distributed to young scientists. A novelty for IMSC was the free Child Day-Care service offered at the conference.

The conference gala dinner was held at the historical abode, Villa Viviani, located on the hill of Settignano, a 15-minute bus ride away from Florence city center. The most ancient part of the building dates back to the 13th century. (Fun fact: In 1892, the Villa hosted Mark Twain and his family. Twain would remark, “The situation of the villa was perfect. It was three miles from Florence, on the side of a hill...to see the sun sink down, drowned on his pink and purple and golden floods, and overwhelm Florence with tides of color that make all the sharp lines dim and faint and turn the solid city to a city of dreams, is a

sight to stir the coldest nature and make a sympathetic one drunk with ecstasy...". - <https://www.openlettersmonthly.com/issue/he-might-as-well-have-called-me-nancy-mark-twain-in-italy/>) The dinner's festivities including a rousing round of post-meal "calisthenics" set to the tune of "Stand Up, Sit Down" that was enthusiastically lead by IMSC Chair, Professor Gianluca Giorgi. The Villa's splendid Italian style garden and its breathtaking sight of Florence and the surrounding countryside was the punctuation mark for a most memorable IMSC.

Awards



2018 Curt Brunnée Awardee Daniel Austin (right) with Ken Miller (left, Thermo Fisher Scientific).

Dr. **Daniel E. Austin**, Professor of Chemistry at Brigham Young University (BYU) in Provo, Utah was awarded the **2018 Curt Brunnée Award** from the International Mass Spectrometry Foundation, at the 22nd International Mass Spectrometry Conference, held in Florence, Italy from August 26-31, 2018. Sponsored by Thermo Fisher Scientific, the Curt Brunnée Award is made to an individual "for outstanding contributions to the development of instrumentation for mass spectrometry by a person under the age of 45 at the time of the award". Prof. Austin's research focuses on portable ion trap mass spectrometers, chemical processes in high-velocity impacts, and charge detection mass spectrometry. He received a Ph.D. in Chemistry from the California Institute of Technology under the direction of Prof. J.L. (Jack) Beauchamp. Prior to his present appointment he was a Senior Member of the Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. He has also been a visiting scientist at the NASA Goddard Space Flight Center in Greenbelt, Maryland. Prof. Austin received an ASMS Research Award in 2008, and the Karl G. Maeser Research and Creative Arts Award in 2017.

Dr. **John R. Yates**, the Ernest W. Hahn Professor in the Departments of Molecular Medicine and Neurobiology at The Scripps Research Institute, and Dr. **Albert J.R. Heck**, Professor of Biomolecular Mass Spectrometry and Proteomics at Utrecht University, were awarded the **2018 Thomson Medals** during the 22nd International Mass Spectrometry Conference, held in Florence, Italy from August 26-31, 2018. Sponsored by the International Mass Spectrometry Foundation (IMSF) and first



2018 Thomson Medalists John Yates (left) and Albert Heck (right), with IMSF President, Prof. Catherine Costello.

awarded in 1985, the Thomson Medals are named after Sir J.J. Thomson, who was responsible for the first mass spectrograph and was the recipient of the Nobel Prize in Physics in 1906 for his discovery of the electron. Award winners are selected based on their *accomplishments in both of the following areas: (a) Outstanding achievements in mass spectrometry, and (b) Distinguished services to international mass spectrometry societies.* **Prof. Yates** was recognized "for the invention of mass spectrometry and informatics methods to analyze protein expression, protein interactions and modifications that established the field of large-scale proteomics and transformed the study of molecular and cellular biology", while **Prof. Heck** was recognized for "the development of enabling 'native' mass spectrometry technologies to probe macromolecular protein complexes for mass-spectrometry based structural biology, and for his contributions to (inter)national mass spectrometry and proteomics societies".

Related Events

ASMS is pleased to offer announcements for other non-profit organizations. Please email details including website to info@asms.org.

March 3 - 6, 2019

15th US HUP O Annual Conference, Proteomics at the Frontier of Biology and Medicine
Rockville/Bethesda, MD
www.ushupo.org

March 31 – April 4, 2019

MSACL 2019 US 11th Annual Conference
Palm Spings, CA
<https://www.msac l.org>

July 7 – 13, 2019

**13th Mass Spectrometry School in Biotechnology and
Medicine (MSBM)**

Dubrovnik, Croatia

<http://www.msbm.org/>

September 15 – 18, 2019

18th Human Proteome Organization World Congress

Adelaide, South Australia, Australia

<https://www.hupo2019.org>

September 22 – 26, 2019

MSACL 2019 EU 6th Annual European Congress

Salzburg, Austria

<https://msacl.org/>

October 13 – 18, 2019

SciX presented by FACSS

Palm Springs, CA

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

January 5 – 7, 2020

8th Asia-Oceania Mass Spectrometry Conference

Hong Kong

<http://www.aomsc2020.org/>