

# NEWS AND VIEWS



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

August 2014

## Announcements

### ASMS Asilomar Conference

**Advances in Glycomics and Glycoproteomics: Methods and Applications**

October 10 - 14, 2014  
Asilomar Conference Center  
Pacific Grove, CA



#### Organizers

Yehia Mechref, *Texas Tech University*  
Carlito Lebrilla, *University of California, Davis*

[www.asms.org/conferences/asilomar-conference](http://www.asms.org/conferences/asilomar-conference)  
See announcement to follow for more details.

### ASMS Fall Workshop

**Ion Mobility Mass Spectrometry**

November 6 - 7, 2014  
Seattle Crowne Plaza  
Seattle, Washington



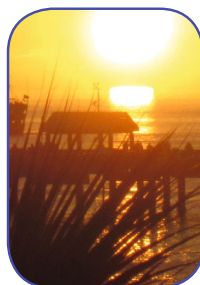
#### Organizers

Matthew Bush, *University of Washington*  
Alexandre Shvartsburg, *Pacific Northwest National Laboratory*

[www.asms.org/conferences/fall-workshop](http://www.asms.org/conferences/fall-workshop)  
See announcement to follow for more details.

**ASMS Sanibel Conference**  
**Security and Forensic Applications of Mass Spectrometry**

January 22 - 25, 2015  
Hilton Clearwater Beach  
Clearwater Beach, Florida



#### Organizers

Jose Almirall, *Florida International University*  
Glen Jackson, *West Virginia University*

[www.asms.org/conferences/sanibel-conference](http://www.asms.org/conferences/sanibel-conference)  
See announcement to follow for more details.

## Highlights from the 62nd ASMS Conference

June 15 – 19, 2014, Baltimore, MD

### ASMS Undergraduate Poster Awards



2014 Undergraduate Student Poster Award winners (left to right): Matthew Rasmussen, Gavin Reid (ASMS Member-at-Large for Education), Tarick El-Baba and Christiane Stachl.

To promote and recognize research using mass spectrometry among undergraduate students attending the ASMS conference, an Undergraduate Student poster session was held on the Sunday evening of the conference during the opening reception. Poster award winners received a certificate and a check for \$300. Coordinated by Dil Ramanathan, Darrin Smith, Elaine Marzluff and J.C. Poutsma on behalf of the Undergraduate Research in Mass Spectrometry Interest group, and with expert administrative organization from Cindi Lilly in the ASMS office, posters were judged in three general categories: Ionization/Instrumentation, Proteomics, and Small Molecule/Metabolomics/Lipidomics. The judging panel commended the exceptional quality of each of the poster presenters and awarded best poster prizes in each category to the following students.

**Tarick El-Baba**, Wayne State University (faculty advisor: Sarah Trimpin)  
Characterization of Monolayer Films of Asymmetric Metallosurfactants by Matrix Assisted Ionization Vacuum Mass Spectrometry

**Christiane Stachl**, University of Washington (faculty advisor: Matthew Bush)  
Supercharging of Native-Like Proteins and Protein Complexes: Effects of m-Nitrobenzyl Alcohol versus Sulfolane

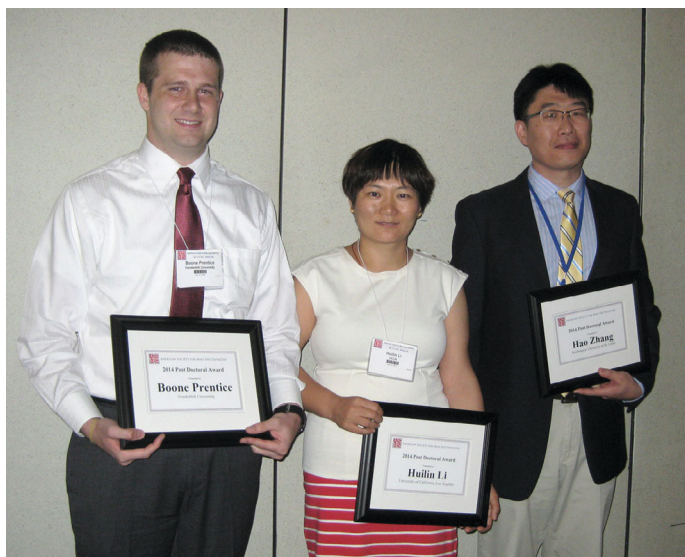
**Matthew Rasmussen**, Bowdoin College (faculty advisor: Elizabeth Stemmler)

An LC/MS/MS Investigation of Chemical Reactions Causing Instability in Wood-Derived Pyrolysis Bio-Oils

Congratulations to each of the award winners.

### ASMS Postdoctoral Awards

Inaugural ASMS Postdoctoral Awards were presented at the 2014 ASMS business meeting in Baltimore to Dr. **Huilin Li** (University of California, Los Angeles), Dr. **Boone Prentice** (Vanderbilt University) and Dr. **Hao Zhang** (Washington University in St. Louis). 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. A \$10,000 gift is provided to the institution or institution-related foundation in the name of each awardee for their exclusive use on activities that enhance the awardee's professional career development.



2014 ASMS Postdoctoral Award winners (left to right): Boone Prentice, Huilin Li and Hao Zhang.

### Ron Hites Award

The 2014 Ron Hites Award for Outstanding Research Publication in *JASMS* was presented during the 2014 ASMS business meeting to Professor **Evan R. Williams** (University of California, Berkeley), for his paper entitled 'Supercharging Protein Complexes from Aqueous Solution Disrupts their Native Conformations' *J. Am. Soc. Mass Spectrom.* (2012) 23:191-200, co-authored by Harry J. Sterling, Alexander F. Kintzer, Geoffrey K. Feld, Catherine A. Cassou and Bryan A. Krantz. The Ron Hites Award is given in recognition of an outstanding presentation of original research published in the journal in the previous two years. Selection of the award winner is based on a paper's innovative aspects, technical quality, likely stimulation

of future research, likely impact on future applications, and quality of presentation. The award is named in honor of Professor Ron Hites of Indiana University, who led the creation of *JASMS* in 1988 while president of ASMS. The principle author receives a cash award of \$2,000 and all authors are acknowledged with certificates of commendation.



2014 Ron Hites Award winner (left to right) Evan Williams, and co-authors Catherine Cassou and Harry J. Sterling.

### Special Exhibit: Spaceflight Mass Spectrometry 1963-2018

Organized by William Brinckerhoff and colleagues from the NASA Goddard Spaceflight Center, a Special Exhibit on Spaceflight Mass Spectrometry 1963-2018, containing models of spaceflight mass spectrometers employed in the exploration of the Solar System over the past several decades was displayed throughout the conference. These mass spectrometers have contributed substantially to our understanding of planetary science and astrobiology. Displayed models included engineering units, flight spares, and demonstration reproductions from robotic planetary missions to Venus, Jupiter, Saturn, Titan, and Mars. Experts were on hand Sunday afternoon to answer questions from attendees about instrument design, mission achievements, and future directions.



Special Exhibit on Spaceflight Mass Spectrometry 1963-2018

## Critical Assessment of Small Molecule Identification Contest

The experimental and computational mass spectrometry communities are invited to participate in the third annual Critical Assessment of Small Molecules Identification (CASMI) contest. The identification of unknowns is *the* major challenge in metabolomics, environmental sciences and other fields, yet the exchange of ideas and a systematic comparative evaluation of automated or expert manual data evaluation strategies has been limited. The 2014 CASMI contest will focus on evaluating current and alternative strategies used in the metabolomics field for mass spectrometric identification of small molecules. Participants will be asked to determine the structure of small molecules based on raw mass spectrometric data provided by the organizers. The challenge data will be released on September 1<sup>st</sup>, 2014. The deadline for submissions is December 19<sup>th</sup>, 2014, and public release of the solutions will be January 9<sup>th</sup>, 2015. The committee will evaluate each submission and announce the winners on February 27<sup>th</sup>, 2015. The participants will be encouraged to describe their submissions in detail, in a peer reviewed proceedings of the 2014 CASMI contest. Thus, although this is a competition, the real winner will be the field of small molecule identification. For further details, please see <http://www.casmi-contest.org/2014/index.shtm>

## Related Events

ASMS is pleased to offer announcements for other non-profit organizations. Please email details including website to [cindi@asms.org](mailto:cindi@asms.org). Visit [www.asms.org](http://www.asms.org) for additional listings.

### August 3 – 9, 2014

**8th European Summer School - Advanced Proteomics**  
Brixen/Bressanone, Italy  
<http://www.proteomic-basics.eu>

### August 10 - 14, 2014

**IUPAC International Congress on Pesticide Chemistry**  
San Francisco, CA  
<http://www.iupac2014.org/>

### August 11 - 13, 2014

**Conference on Small Molecule Science (CoSMoS)**  
Williamsburg, VA  
<http://www.cosmoscience.org>

### August 24 - 29, 2014

**20th International Mass Spectrometry Conference**  
Geneva, Switzerland  
<http://www.imsc2014.ch/>

### September 2 – 4, 2014

**Mass Spectrometry Applications to the Clinical Laboratory 2014 EU**  
Salzburg, Austria  
<https://www.msac1.org/>

### September 22 – 24, 2014

**4th European Lipidomics Meeting**  
Graz, Austria  
[http://massspec.uni-graz.at/ELM\\_2014/](http://massspec.uni-graz.at/ELM_2014/)

### September 28 – October 3, 2014

**SciX 2014 presented by FACSS**  
Reno, NV  
<http://www.scixconference.org/>

### October 5 – 8, 2014

**13th Human Proteome Organization World Congress**  
Madrid, Spain  
<http://www.hupo2014.com/>