

# NEWS AND VIEWS



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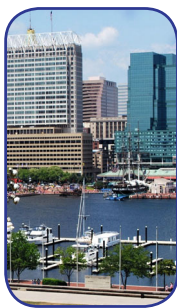
May 2014

## Announcements

### 62nd ASMS Conference on Mass Spectrometry and Allied Topics

June 15 - 19, 2014  
Short Courses - June 14 and 15  
Baltimore Convention Center  
Baltimore, MD

Further information may be found at  
<http://www.asms.org/conferences/annual-conference/annual-conference-homepage>



Prof. Williams received a B.S. in chemistry from the University of Virginia in 1984, followed by a Ph.D. in analytical chemistry in 1990 from Cornell University, where he worked with Fred McLafferty. He then carried out postdoctoral work with Richard N. Zare at Stanford University prior to joining the faculty at UC Berkeley in 1992 as an assistant professor of chemistry. He

### 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*



### 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*



was promoted to associate professor of chemistry and biophysics in 1997 and to full professor in 2001. He also serves as Associate Director of the Center for Analytical Biotechnology, as Faculty Director of the QB3/Chemistry Mass Spectrometry Center, and holds a joint appointment in the Earth Sciences Division at the Lawrence Berkeley National Laboratory. Throughout his career, Prof. Williams has received numerous awards and honors, including the Analytical Chemists of Pittsburgh Award in 1992, an American Society for Mass Spectrometry Research Award in 1994, and an Alexander von Humboldt Senior Scientist Award in 1999. He was elected as a Fellow of the American Academy of Arts and Sciences in 2012. He has also served on numerous advisory boards, including the Editorial Board of the *Journal of the American Society for Mass Spectrometry* (2001–2007), and is currently an Associate Editor for the Royal Society of Chemistry journal *Analyst*. He was Vice-Chair and Chair of the Gordon Research Conference on Gaseous Ions in 2011 and 2013, and served from 2011–2013 as Member-at-Large for Publications on the Board of Directors of the ASMS.

The focus of the Williams' research group is the development and application of novel instrumental and computational techniques in mass spectrometry, tandem mass spectrometry, separations, and laser spectroscopy to solve problems of fundamental interest in chemistry and biochemistry. Current projects are focused on i) elucidating the structures, functions, and dynamics of biomolecules and their macromolecular complexes with emphasis on protein sequencing, conformational elucidation, and protein-protein interactions, ii) understanding ion solvation, how water organizes around different ions and how water affects molecular structure and intermolecular interactions in size-selected trapped nanodrops using spectroscopy and ion-electron recombination experiments and iii) developing new instrumentation to analyze complex mixtures, including the contents of cells, using microfabricated devices coupled with mass spectrometry, and probes for rapid chemical analysis of

## Awards

Professor Evan R. Williams, University of California, Berkeley, has been awarded the **2014 Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry** for his 'development of mass spectrometric methods for molecular structural analysis and their application to fundamental problems in chemistry and biochemistry.' The award, sponsored by Waters Corporation, was presented at the 247th ACS National Meeting held March 16–20, 2014 in Dallas.

surfaces with high sensitivity. A number of different types of state-of-the-art mass spectrometers and lasers are used in these studies, including unique instrumentation built at Berkeley. To date, this work has resulted in the authorship or co-authoring of 200 papers and 3 U.S. Patents, and over 200 invited lectures. He also develops new experiments and curricula for both undergraduate and graduate chemistry courses with an emphasis on state-of-the-art analytical measurement science.

**The 2014 Nobel Laureate Signature Award for Graduate Education in Chemistry**, sponsored by Avantor Performance Materials, was presented to Dr. Livia S. Eberlin (Stanford University) and Professor R. Graham Cooks (Purdue University) at the 247th ACS National Meeting held March 16-20, 2014 in Dallas, 'to recognize an outstanding graduate student and her or his preceptor(s), in the field of chemistry, as broadly defined'. The award was given in recognition of the work that Dr. Eberlin, currently a postdoctoral fellow at Stanford University, performed during her Ph.D. graduate research with Prof. Cooks, in collaboration with physicians at Indiana University School of Medicine and Harvard Medical School, to apply desorption electrospray ionization (DESI) mass spectrometry imaging for cancer tissue identification and classification, and for the intraoperative definition of tumor margins during cancer surgery.



Dr. Livia S. Eberlin



Professor R. Graham Cooks

## 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. So far two videos have been created and posted to the ASMS website (<http://www.asms.org/about/about-mass-spectrometry>). These are:

- 'The Basics of Mass Spectrometry: Mass Analyzers', presented by Richard Vachet (University of Massachusetts Amherst)
- 'Imaging Mass Spectrometry: An Overview', presented by Michelle Reyzer (Vanderbilt University) and Demian Ifa (York University)

If you have suggestions for future projects, please contact the Member-at-Large for Education, or a member of the Education Committee (<http://www.asms.org/about/asms-leadership/committees/education>)

## 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.

### May 12 – 15, 2014

#### 3rd International Vitamin Conference

Washington, DC

<http://www.vitaminconference.com>

### July 6 – 12, 2014

#### 8th Mass Spectrometry in Biotechnology & Medicine Summer School

Dubrovnik, Croatia

<http://www.msbsm.org/Home.html>

### July 22 – 25, 2014

#### Annual Workshop on Metabolomics

Birmingham, Alabama

[http://www.uab.edu/proteomics/metabolomics/workshop/workshop\\_june\\_2014.php](http://www.uab.edu/proteomics/metabolomics/workshop/workshop_june_2014.php)

### 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.ims2014.ch/>