



Announcements

ASMS Asilomar Conference Mass Spectrometry in Environmental Chemistry, Toxicology, and Health

October 18 - 22, 2013
Asilomar Conference Center
Pacific Grove, California

Organizer

Xingfang Li, University of Alberta

www.asms.org/conferences/asilomar-conference



ASMS Fall Workshop Imaging Mass Spectrometry

November 7 - 8, 2013
Doubletree Hotel
Chicago, Illinois

Organizers

Michelle L. Reyzer, Vanderbilt
University
Demian R. Ifa, York University

www.asms.org/conferences/Fall-workshop



ASMS Sanibel Conference Ion Activation: Fundamentals, Applications and New Frontiers

January 30 - February 2, 2014
Hilton Clearwater Beach Resort
Clearwater Beach, FL

Organizers

Ryan Julian, UC Riverside
Richard Vachet, UMASS, Amherst



The development, application, and understanding of ion activation remains at the forefront of mass spectrometry. Although the topic of ion activation was covered in 2003, there have been tremendous inroads since then, including the development of more electron-based methods, expansion of the array of photodissociation techniques, and new hybrid methods. The understanding of mechanisms of ion activation is critical for many key applications areas too, ranging from proteomics to metabolomics. Ion activation is often a broad category covered at the annual ASMS conference, but the ability to focus on the

fundamentals, novel methods, and new applications is impeded by the diffuse nature of the large ASMS meeting.

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

Awards

Professor **David H. Russell**, Applied Biosystems/MDS Sciex Professor of Mass Spectrometry in Chemistry at Texas A&M University, has been selected as the 2013 recipient of the American Chemical Society Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry. The award, sponsored by Waters Corporation, was presented at the 245th meeting of the American Chemical Society held in New Orleans, Louisiana, April 7-11th, 2013, in recognition of Dr Russell's contributions to the application of novel methods and instrumentation for the identification and characterization of complex biological molecules.



David H. Russell

Prof. Russell has been a member of the Texas A&M University faculty for the past 33 years and head of the Department of Chemistry since 2006. He earned his B. S. Chemistry degree from the University of Arkansas and holds a Ph.D. from the University of Nebraska where he studied under Michael L. Gross. He was elected a Fellow of the American Association for the Advancement of Science, and received the Association of Former Students Distinguished Achievement Award for Research from Texas A&M University in 2004. He has served as a co-editor for *Journal of Cluster Science* and is a past member of the editorial boards for several mass spectrometry journals. He currently serves on the editorial advisory boards of the *Journal of Mass Spectrometry*, the *Journal of The American Society for Mass Spectrometry* and the *International Journal of Mass Spectrometry*.

Research in the Russell group is best described as developmental mass spectrometry and gas-phase ion chemistry, encompassing a broad range of fundamental and applications-oriented projects that focus on development and application of novel methods and instrumentation for identification and characterization of complex biological molecules. This research has provided significant impact on early development in MS-MS, hybrid magnetic sector-TOF (time-of-flight), large molecule FT-ICR mass spectrometry, advanced TOF and TOF-TOF instruments, and ion mobility-mass spectrometry (IM-MS).

Professor **Lars Konermann**, Canada Research Chair of Biophysical Protein Mass Spectrometry in the Department of Chemistry and the Department of Biochemistry at The University of Western Ontario in London, Ontario, Canada, has been awarded the 2013 Ken Standing Award, in recognition of his significant contribution to technology development in support of research in the life sciences. The award honors the career of Ken Standing, Professor Emeritus at the University of Manitoba, who was a major figure in the development of time-of-flight mass spectrometry for bioanalytical applications. The award was presented at the 7th International Symposium on Enabling Technologies, held April 30th - May 1st, 2013 in Toronto.



Lars Konermann

Research in the Konermann laboratory is aimed at gaining insights into protein folding mechanisms, and the relationship between protein function and conformational dynamics. These and other areas are being tackled via a range of mass spectrometry-based approaches that include the use of hydrogen exchange and irreversible covalent labeling. Dr. Konermann completed his Ph.D. in the area of plant photosynthesis in 1996 at the Max Planck Institute in Mulheim (Germany), supervised by A. R. Holzwarth. Dr. Konermann was first exposed to the fascinating world of biological mass spectrometry between 1996 and 1998, while working as post-doctoral fellow with D. J. Douglas at the University of British Columbia in Vancouver. He was the recipient of the 2003 CSC Fred Beamish Award, the 2011 UWO Florence Bucke Award, and has received several teaching awards. Lars was a member of the NSERC Chemistry Evaluation group (2009-2011), chaired the 2011 Gordon Conference on “Biological Molecules in the Gas Phase and in Solution”, and is a current member of the Editorial Board for the *Journal of The American Society for Mass Spectrometry*.

Education and Outreach

This month, an ‘Education and Outreach’ article is being published for the first time in *JASMS*. This short article, entitled ‘A MASSive Laboratory Tour: An Interactive Mass Spectrometry Outreach Activity for Children’ by Julia Jungmann, Ron Heeren and co-workers at the FOM-Institute AMOLF in Amsterdam, describes a series of simple but effective teaching modules designed to introduce children from the age of 6-14 years to key concepts associated with mass spectrometry analysis: namely, the building blocks of matter, charged particle manipulation by electrostatic fields, and analyte identification by mass analysis. The article also describes a “hands-on” activity performed by the students, involving electrospray ionization-mass spectrometry analysis of saliva samples, to demonstrate the practical application of mass spectrometry to real world research topics. An extended description of the outreach activity, including complete details of the materials required for each teaching module, is available for download from the ASMS website (www.asms.org/about/about-mass-spectrometry) as ‘Mass Spectrometry Basics for Young Students: An Interactive Laboratory Tour’.

Related Events

ASMS is pleased to announce meetings of nonprofit organizations. Please email details including website to cindi@asms.org. Visit www.asms.org for additional listings.

July 7 - 13, 2013

7th MSBM Summer School
Dubrovnic
www.msbm.org

July 9 - 24, 2013

Proteomics Short Course
Cold Spring Harbor Laboratory
<http://meetings.cshl.edu/courses/2013/c-proteo13.shtml>

July 14 - 18, 2013

Conference on Innovations in Mass Spectrometry Instrumentation
St. Petersburg, Russian Federation
www.innms2013.org

July 19, 2013

Mass Spectrometry Special Interest Group (MS-SIG)
Berlin, Germany
http://igenomed2.stanford.edu/Proteomics2013_mssig/index.html

July 21 - 26 2013

Gordon Research Conference on Biological Molecules in the Gas Phase and in Solution
Holderness School, Holderness, NH
<http://www.grc.org/programs.aspx?year=2013&program=gasphase>

August 4 - 10, 2013

7th European Summer School: Advanced Proteomics
South Tirol, Italy
www.proteomic-basics.eu

August 12 - 16, 2013

Symposium on Mass Spectrometry, Proteomics, and Peptidomics
Cancún, Mexico
www.smp.bioprocess.org

September 15 - 18, 2013

The 9th Harsh-Environment Mass Spectrometry (HEMS) Workshop
Don CeSar Beach Resort, St. Pete Beach, FL
www.hems-workshop.org

September 15 - 20, 2013

1st International Mass Spectrometry School
Siena, Italy

This School inaugurates a new, important activity of IMSF in the field of higher education in mass spectrometry and will select the best 100 “student” applications from all over the world. Fellowships are available.
www.imss2013.it

September 29 - October 4, 2013

SCIX presented by FACSS
Milwaukee, WI
www.scixconference.org

December 4 - 7, 2013

Annual Tandem Mass Spectrometry Workshop

Lake Louise, Alberta, Canada

The workshop focuses on scientific exchange and dissemination of technical aspects of MS/MS. Sessions take place in the heart of the Canadian Rockies – 2.5 hours from Calgary. On Friday afternoon participants can enjoy world class skiing, which is minutes away, or they can simply enjoy the serene setting of the conference site. The format is informal and designed to stimulate discussion for a maximum of 110 participants. Session topics include: Peptides and Proteins, MS/MS Imaging, Environmental Analyses, Instrumentation & Methods, and Fundamentals & Ion Reaction Dynamics. For more information please contact Lars Konermann (konerman@uwo.ca) or visit the conference web site at www.lakelouisemsms.org.