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
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
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
See announcement to follow for more details.

Awards

Dr. Benjamin A. Garcia, Presidential Associate Professor of Biochemistry and Biophysics at the University of Pennsylvania School of Medicine, was awarded the 2014 Pittsburgh Conference Achievement Award at the recent Pittcon Conference held March 2 - 6 in Chicago, Illinois. Sponsored by the Society for Analytical Chemists of Pittsburgh (SACP) the award is presented annually ‘to recognize individuals for outstanding achievements in the fields of analytical chemistry and/or applied spectroscopy within 10 years after completion of their Ph.D. work,’ and was given in recognition of Dr. Garcia’s research into the development and application of mass spectrometry based proteomics for solving difficult problems in chromatin biology and epigenetics.

Associate Professor Shabaz Mohammed, Departments of Chemistry and Biochemistry, University of Oxford, UK, has been awarded the 2014 Joseph Black Award from the Royal Society of Chemistry ‘for his seminal contributions to the teaching and practice of analytical chemistry and his inventive developments in chromatographic separations and proteomic characterization.’ Selected by the RSC Analytical Division Awards Committee, and sponsored by the Analytical Chemistry Trust Fund, the award recognizes a young scientist in any field covering the practice and teaching of analytical science.

Professor Evan R. Williams, University of California, Berkeley, has been awarded the 2014 Theophilus Redwood Award from the Royal Society of Chemistry. Sponsored by the Analytical Chemistry Trust Fund, the award is given annually to a leading analytical scientist who is also an outstanding communicator. Professor Williams was cited ‘for
his pioneering work on the development of new methods for molecular structural analysis and the application and teaching of such methods to enhance the understanding of structures and structural changes’.

2013 ASMS Research Award Winner Article “Highlight”

The ASMS annually presents two Research Awards to academic scientists within four years of joining the tenure track faculty or equivalent in a North American university. The purpose of these awards, fully sponsored by Thermo Scientific and Waters Corporation, are to promote academic research by young scientists in mass spectrometry. The award winners for 2013 are Dr. Yu Xia, Assistant Professor in the Department of Chemistry at Purdue University, and Dr. Matthew F. Bush, Assistant Professor in the Department of Chemistry at the University of Washington.

In this month’s issue of *JASMS*, we are pleased to highlight a research article published by one of the 2013 ASMS Research Award winners, Dr. Yu Xia. This publication, co-authored by Craig A. Stinson, a Ph.D. graduate student in Dr. Xia’s laboratory, was supported by Dr. Xia’s proposal entitled ‘Gas-Phase Ion Chemistry of Bio-Radicals’. The article, entitled ‘Reactions of Hydroxyalkyl Radicals with Cysteinyl Peptides in a NanoESI Plume’, describes the formation of carbon centered radicals from alcohol solvents by UV-photolysis, characterization of their reactions toward disulfide bonds, and evaluation of their potential for increasing sequence information in disulfide linked peptides.

Research in the Xia laboratory is focused on exploring the gas-phase ion chemistry of bio-radicals. With the aid of the ASMS Research Award, Dr. Xia’s group has developed devices to perform radical reactions of peptides and lipids within the plume region of an electrospray ionization (ESI) source. Radical reactions facilitate the formation of gas-phase bio-radical species (e.g. cysteine sulfinyl radicals), allowing detailed investigations of their intrinsic chemical properties (structure, unimolecular dissociation, and reactivity) via mass spectrometry. These fundamental studies provide mechanistic insights into radical transfer and reactions within or between proteins in biological systems, which are important for understanding enzyme catalytic activity.

Dr. Xia earned her bachelor’s degree in chemistry from Lanzhou University, in China, in 1999. In 2002, she earned a master’s degree in organic chemistry from Shanghai Institute of Material Medica, Chinese Academy of Sciences and in 2006, a Ph.D. in analytical chemistry from Purdue University, under the supervision of Prof. Scott A. McLuckey. She was guided by R. Graham Cooks for her post-doctoral training at Purdue University. In 2009, she was appointed as an Assistant Professor in the Department of Chemistry at Purdue University. To date, Dr. Xia has been the author or co-author of 50 publications, and has received funding for her research from the National Science Foundation.

ASMS Strategic Initiatives

The ASMS Board is seeking proposals for strategic initiatives to benefit the membership. Proposals should include:

- a brief title
- your contact information
- a summary of your idea (no more than 300 words)
- a timeline
- anticipated cost

Please email proposals as a PDF file to office@asms.org. Proposals will be considered by the Board of Directors twice annually (August and February).

Details of new initiatives implemented to date may be found at http://www.asms.org/member-center/strategic-initiatives.

Related Events

**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
Related Events (continued)

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.msacl.org/

September 22 – 24, 2014
4th European Lipidomics Meeting
Graz, Austria
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/