

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.

ASMS Asilomar Conference Novel Instrumentation in Mass Spectrometry and Mobility Spectrometry

October 14 - 18, 2016

Asilomar Conference Center
Pacific Grove, California

www.asms.org/conferences/asilomar-conference



Organizers

Daniel Austin, *Brigham Young University*
Zheng Ouyang, *Purdue University*

ASMS Fall Workshop Sample Preparation for Analysis of Real-World Samples by Mass Spectrometry: The Common Denominator for Quality Data

November 3 - 4, 2016

Sheraton Inner Harbor Hotel
Baltimore, MD

www.asms.org/conferences/fall-workshop/fall-workshop-homepage



Organizers

Jack Henion, *Advion*
Russell Grant, *LabCorp*

Awards

Dr. Peter Nemes, Ph.D., Assistant Professor of Chemistry at the George Washington University, Washington DC, has been named the recipient of the 2016 Arthur F. Findeis Award for Achievements by a Young Analytical Scientist. The Findeis Award is given annually by the American Chemistry Society Division of Analytical Chemistry, to recognize and encourage outstanding contributions to the fields of analytical chemistry by a young analytical scientist. The award will be presented at the 252nd ACS National Meeting to be held August 21-25, 2016 in Philadelphia, PA. Dr. Nemes obtained an MS (*Summa Cum Laude*) degree in 2004 from Eotvos Lorand University and the Hungarian Academy of Sciences in Budapest, Hungary, then



earned his Ph.D. in 2009 from the George Washington University under Professor Akos Vertes. He then completed postdoctoral research in bioanalytical chemistry for neurobiology in Professor Jonathan Sweedler's laboratory at the University of Illinois - Urbana-Champaign, IL, where he developed mass spectrometry instrumentation

to characterize chemical neuron heterogeneity in the molluscan and mammalian central nervous systems. In 2011, Dr. Nemes assumed a Laboratory Leader position with the US Food and Drug Administration (Silver Spring, MD), where he established a mass spectrometry core facility and regulatory research program to enable the rapid detection of chemical threats to the public. Since joining the faculty at the George Washington University in 2013, Dr. Nemes' research program is focused on understanding molecular processes that orchestrate normal cell development and response to extremal stimuli (e.g., drugs and toxins). To this end, his laboratory develops high-sensitivity mass spectrometry technologies to ask what roles metabolites and proteins play in single cells during the patterning of the vertebrate body plan and establishment of the central nervous system using the South African clawed frog (*Xenopus laevis*) and mouse as models. To date, he has authored 30 peer-reviewed publications, 6 book chapters, and 80+ presentations. Dr. Nemes holds 4 licensed patents as co-inventor of laser ablation electrospray ionization (LAESI) mass spectrometry. In 2015, he was named a Beckman Young Investigator by the Arnold and Mabel Beckman Foundation.

Dr. Richard (Dick) D. Smith, Director of Proteomics and Chief Scientist in the Biological Sciences Division at Pacific Northwest National Laboratory (PNNL) has been awarded the 2016 Eastern Analytical Symposium Award for Outstanding Achievements in Mass Spectrometry, for his distinguished career achievements and contributions to



developing and advancing separations and mass spectrometry capabilities for increasing the capabilities of proteomics and 'pan-omics' in biological and clinical research. The award will be presented during the annual EAS Symposium and Exposition to be held November 14-16, 2016 in Somerset, NJ.

Dr. Smith is the PI for the US Department of Energy Panomics Research Program at PNNL, and is PNNL's Director of Proteomics Research, and also the Director of the NIH Biomedical Technology Proteomics Research Resource for Integrative Biology, and co-PI for the NCI Clinical Proteomics Tumor Analysis Center at PNNL. Earlier research by Dr. Smith included key developments in the combinations of both supercritical fluid chromatography and capillary electrophoresis with mass spectrometry, as well as contributions to improving the sensitivity of electrospray ionization measurements and MS, such as the development of the ion funnel. He led the first development and applications of both high resolution LC separations and high resolution/high accuracy MS for proteomics. More recently a key part of his research has involved the development and application of approaches for improving ion mobility spectrometry (IMS) separations in conjunction with MS. One present focus of his research is in using IMS in Structures for Lossless Ion Manipulations (SLIM) to enhance mass spectrometric capabilities, and in also facilitating much higher resolution IMS in long path SLIM devices, as well as for other more complex gas phase ion manipulations. He has presented more than 300 invited or plenary lectures at national and international scientific meetings, and is the author or co-author of more than 1000 peer reviewed publications. Dr. Smith holds 58 US patents and has been the recipient of eleven R&D 100 Awards between 1983 and 2015. In recognition of his career accomplishments, Dr Smith received the 2003 American Chemical Society Award for Analytical Chemistry, the 2009 HUPO Discovery Award in Proteomics Sciences, and the 2013 ASMS Distinguished Contribution in Mass Spectrometry Award.

ASMS Speaker Program

The ASMS has allocated funds to support an ASMS-sponsored speaker program, with the objectives to (i) support vibrant seminar programs at local MS discussion groups, (ii) increase exposure of students at non-PhD granting institutions to research in mass spectrometry, and (iii) promote exposure and professional development of young MS professionals at the onset of an independent research career.

Any ASMS member at the rank of Assistant Professor (at the time of invitation) is eligible to receive support, with no more than two sponsored trips per calendar year per speaker. Eligible hosts may be (i) any North American MS discussion group or (ii) any North American non-PhD granting college or university, with no single host to propose more than two ASMS-sponsored events in a calendar year.

Additional information regarding the program, including the application process and eligible expenses (travel, meals, lodging and expenses up to \$1500.00 per event, until the annual budget for the program is exhausted) may be found at: <http://www.asms.org/member-center/discussion-groups>.

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. To date, four videos have been created and posted to the ASMS website (<http://www.asms.org/about/about-mass-spectrometry>). These are:

- ‘**The First Fifty Years of Mass Spectrometry: Building a Foundation**’, presented by Michael L. Gross (Washington University, St. Louis) as a plenary lecture during the 2013 ASMS Annual Conference in Minneapolis.
- ‘**The Basics of Mass Spectrometry: Mass Analyzers**’, presented by Richard Vachet (University of Massachusetts Amherst)
- ‘**The Basics of Mass Spectrometry: Tandem Mass Spectrometry, or MS/MS**’, presented by Scott A. McLuckey (Purdue University).
- ‘**Imaging Mass Spectrometry: An Overview**’, presented by Michelle Reyzer (Vanderbilt University)
- ‘**Nested Ion Mobility-TOF Mass Spectrometry**’, presented by David E. Clemmer (Indiana University)

If you have suggestions for future tutorial video projects, or other Educational content for the website, 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 office@asms.org.

June 27 - 30, 2016

12th Annual International Conference of the Metabolomics Society
Dublin, Ireland
www.metabolomics2016.org/

July 3 - 9, 2016

10th Mass Spectrometry in Biotechnology & Medicine Summer School
Dubrovnik, Croatia
www.msbm.org/

July 31 – August 6, 2016

EMBO workshop: Advanced Proteomics
Varna, Italy
<http://events.embo.org/16-proteomics/>

Related Events *(continued)*

August 20 - 26, 2016

21st International Mass Spectrometry Conference
Toronto, Canada
www.imsc2016.ca

September 12 – 15, 2016

Mass Spectrometry Applications to the Clinical Laboratory 2016 EU
Salzburg, Austria
www.msac1.org

September 18 - 22, 2016

HUPO 2016 Annual World Congress
Taipei, Taiwan
www.hupo2016.com/

September 18 – 23, 2016

SciX (Conference of FACSS)
Minneapolis, Minnesota
www.scixconference.org

November 30 – December 3, 2016

29th Annual Tandem Mass Spectrometry Workshop
Lake Louise, Alberta, Canada
<http://lakelouisemsms.org/>