

NEWS AND VIEWS



Correspondence to: Gavin E. Reid; e-mail: gavin.reid@unimelb.edu.au

July 2015

Announcements

ASMS Asilomar Conference Native Mass Spectrometry-based Structural Biology

October 16 - 20, 2015
Asilomar Conference Center
Pacific Grove, California

Organizers

Albert Heck, *Utrecht University*
Joseph Loo, *University of California, Los Angeles*



ASMS Fall Workshop Lipids and Lipidomics

November 5 - 6, 2015
Catamaran Resort
San Diego, California

Organizers

Xianlin Han, *Sanford-Burnham Medical
Research Institute*
Gavin E. Reid, *University of Melbourne*



Sanibel Conference Characterization of Protein Therapeutics by Mass Spectrometry: Recent Developments and Future Trends

January 21 - 24, 2016
Hilton Clearwater Beach
Clearwater Beach, Florida

Organizers

Guodong Chen, *Bristol-Myers Squibb*
Justin Sperry, *Pfizer*



Graham Cooks Elected to National Academy of Science

R. Graham Cooks, Henry Bohn Hass Distinguished Professor of Chemistry in the Department of Chemistry at Purdue University, has been elected a 2015 member of the National Academy of Sciences. Election to the Academy, in recognition of distinguished and continuing achievements in original research, is considered one of the highest honors that can be accorded to a scientist in the United States. Cooks is among 84 new members and 21 foreign associates elected this year,

and will be inducted into the academy during its next annual meeting in Washington, D.C. Over the past five decades, Prof. Cooks has pioneered the conception and implementation of tandem mass spectrometry and desorption ionization mass spectrometry, and their applications for trace chemical and biomolecular analysis.



During this time, he has mentored over 300 graduate students, post-docs and visiting scientists. To date, over 950 publications, with more than 33,000 citations, have resulted from his research. Some of the inventions and concepts to which Cooks has contributed include ion soft landing, neutral loss scans, the use of matrices in ionization, multiple reaction monitoring (MRM), the kinetic method of thermochemical determination, MS/MS for mixture analysis, miniature ion trap mass spectrometers, and desorption electrospray ionization. Several of these inventions have been commercialized, and four companies have been launched from his lab.

Cooks received his B.S. degree and a Ph.D. from the University of Natal, South Africa in 1961 and 1965 respectively, then earned a second Ph.D. from Cambridge University, Great Britain in 1967. After post-doctoral research at Cambridge University from 1967-1968, he joined the Department of Chemistry at Kansas State University as an Assistant Professor in 1968, prior to moving to Purdue University in 1971 where he has remained for the duration of his career. From 1971-1973 and 1973-1986, respectively, he was Co-Director and Director of the Mass Spectrometry Center at Purdue, prior to being appointed as Associate Professor of Chemistry in 1975 and Professor of Chemistry in 1980. In 1990, he was named the Henry Bohn Hass Distinguished Professor of Chemistry. Since 2008, he has also been Co-Director of the Purdue University Center for Analytical Instrumentation Development.

Prof. Cooks has received numerous awards in recognition of his contributions to the field of mass spectrometry, including the 1985 Thomson Medal from the International Mass Spectrometry Society, the 1984 American Chemical Society (ACS) Division of Analytical Chemistry Award in Chemical Instrumentation, the 1991 Field and Franklin Award and the 1997 Award in Analytical Chemistry from the ACS, the 2006 Distinguished Contribution Award in Mass Spectrometry from ASMS, the 2008 Robert Boyle Medal in Analytical Chemistry and the 2011 Centennial Prize from the Royal Society of Chemistry, and the 2013 Dreyfus Prize in the Chemical Sciences. He was elected a

Fellow of the American Academy of Arts and Science in 2010, a Fellow of the American Association for the Advancement of Science in 2011 and a Fellow of the National Academy of Inventors in 2014. He is a past President of the American Society for Mass Spectrometry and the International Mass Spectrometry Society, and a Life Member of the British Mass Spectrometry Society.

Please join us in congratulating Prof. Cooks on his election.

Webcasts from the Annual Conference

Webcasts of all oral presentations from the ASMS 63rd Conference on Mass Spectrometry and Allied Topics annual conference held May 31 - June 4, 2015 can be viewed by conference registrants until September 4, 2015. To access the webcasts you will login to this special site <https://www.pathlms.com/asms> using your ASMS.org credentials.

ASMS members can also access webcasts of the Tutorial, Plenary, and Award lectures from the 2006-2015 annual conferences by logging into the website, then viewing the links found at <http://www.asms.org/publications/award-plenary-and-tutorial-lectures>.

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)

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>)



Send us a JASMS Selfie

Send us a “JASMS selfie”, to show us where you read the journal. We’ll use the best pictures in future editorials, or perhaps on the journal cover. Our goal is to show that whenever and wherever you read an issue of *JASMS*, you find the best mass spectrometry science in the articles.

Related Events

ASMS is pleased to offer announcements for other non-profit organizations. Please email details including website to cindi@asms.org.

July 5 – 11, 2015

9th Mass Spectrometry in Biotechnology & Medicine Summer School
Dubrovnik, Croatia
<http://www.msbm.org/>

July 19 – 22, 2015

25th Conference of the Australian and New Zealand Society for Mass Spectrometry held jointly with the 6th Asia Oceania Mass Spectrometry Conference
Brisbane, Australia
<http://www.anzsms25.com>

August 2 – 8, 2015

9th European Summer School - Advanced Proteomics
Brixen/Bressanone, Italy
<http://www.proteomic-basics.eu>

August 17 - 19, 2015

Conference on Small Molecule Science (CoSMoS)
San Diego, CA
<http://www.cosmoscience.org>

September 7 – 9, 2015

4th International Congress on Analytical Proteomics
Caparica (Lisbon), Portugal
<http://www.icap2015.com>

September 8 – 11, 2015

Mass Spectrometry Applications to the Clinical Laboratory 2015 EU
Salzburg, Austria
<https://www.msac1.org/>

September 27 – 30, 2015

HUPO 2015 Annual World Congress

Vancouver, Canada

<http://hupo2015.com/>

September 27 – October 2, 2015

SciX (Conference of FACSS)

Providence, Rhode Island

<https://www.scixconference.org/>

November 19 – 20, 2015

5th Symposium on Structural Proteomics

Halle (Saale), Germany

<http://www.structuralproteomics.net/>

December 2 - 5, 2015

28th Annual Tandem Mass Spectrometry Workshop

Lake Louise, Alberta, Canada

<http://lakelouisemsms.org/>