

## A tremendous year of growth for MS3

Dear Friends and Colleagues,

As the year draws to a close we wanted to reflect on 2015 and highlight the activities the MS3 Division has contributed to this year

MS3 at the AACC Annual Meeting:

1. 7 proposals were submitted that were co-developed with other divisions
2. 10 mini-track lectures related to mass spectrometry
3. Poster walk
4. Division member meeting in Atlanta with Dr. Graham Cooks as our speaker on miniaturization in mass spectrometry
5. 2 abstract awards were presented to outstanding submissions utilizing mass spec
6. 10 division membership awards were donated to the SYCL committee for their raffle



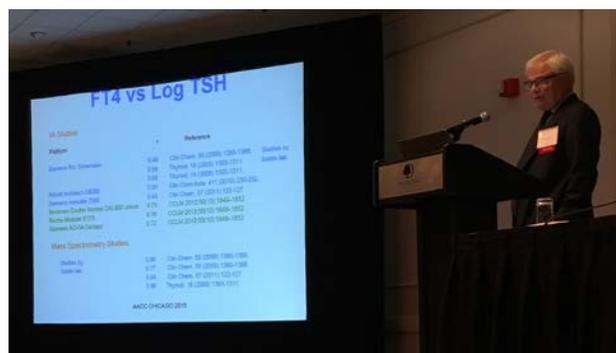
In addition to these activities the MS3 chair Dr. Victoria Zhang and Dr. Steven Wong traveled to China in 2015 to strength international relations with other mass spectrometry scientists and increase AACC global impact.

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5<sup>th</sup> Annual AACC/MSSS: Mass Spectrometry and Separation Sciences for  
Laboratory Medicine Conference in Chicago (October 1-2, 2015)

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This year the Division had the pleasure of contributing to the 5<sup>th</sup> Annual AACC Mass Spectrometry conference held in Chicago. This intensive 2-day conference included 16 presentations including 1 keynote, 2 plenary, 4 special lectures and 9 essential topics. In addition the conference featured 3 interactive sessions. The first session was an open forum on practical clinical mass spectrometry questions from the audience. The second session was a panel discussion on FDA regulations and laboratory-developed tests, and the final sessions was a roundtable discussion on defining next generation mass spectrometry. The meeting was also live streamed online to 15 registered sites with each site accounting for up to 10 people. Below are a handful of pictures from the meeting featuring Dr. David Koch, Dr. Victoria Zhang, Prof. Dr. Hans Maurer, Dr. Henry Rodriguez, and Dr. Steven Soldin. See the full collection on the MS3 Division Artery Community. Did we mention that we had the past 2014 (Dr. Steven Wong), present 2015 (Dr. David Koch), and future 2016 (Dr. Michael Bennett) AACC presidents in attendance?



## The top 10 Mass Spectrometry Assay Wish List

Many of us might be writing holiday wish lists this time of year but at the Mass Spectrometry Conference in October attendees did just that. Instead of shopping lists, the attendees of the conference were tasked with writing down their mass spectrometry assay wish list. Specifically we asked for



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two unique lists. The first list was for assays currently in use in the clinical lab that needed to be moved to mass spectrometry. The second list was for late stage translational assays that would be best performed by mass spectrometry. The goal of the exercise was to create a list that can be taken to manufacturers and the NCI to accelerate the development and translation of assays. As we finalize the list we will be publishing the results and will be working with Dr. Henry Rodriguez from the National Cancer Institute to develop a partnership to explore these needs.

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## Defining “Next Generation” Mass Spectrometry

The conference ended by looking towards the future to define what “next generation” mass spectrometry means to you. Much like the dramatic advances of sequencing and molecular pathology; mass spectrometry is entering a “next generation” of sensitivity, throughput, automation, multiplexing ability and adoption by clinical laboratories. In the year 2020 how will we define the role of mass spectrometry in the clinical lab. Using the discussion from the conference, and MS3 members, we intend to craft an editorial white paper that defines the road ahead for the next 5 years and beyond. Be apart of the discussion online and make your voice heard at our MS3 Artery site.



### The MS3 Artery is LIVE!

We would like to take the time to encourage all MS3 members to visit the Division community on the artery, AACC’s online community. The artery launched this fall and we hope that it becomes a fantastic resource to get your mass spectrometry and chromatography questions answered. We currently have some very interesting discussions now including:

1. Defining “next generation” mass spectrometry
2. Periodic revalidation of mass spectrometry assays
3. Automation and autoverification for mass spec in CLN
4. Accuracy-based proficiency testing for mass spectrometry assays

Make your voice heard and contribute to the discussion today.

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## Save the Date: AACC/MSSS Mass Spectrometry and Separation Sciences for Laboratory Medicine 6<sup>th</sup> Annual Conference

Sept 29-30<sup>th</sup> Chicago, IL  
Holiday Inn Chicago Mart Plaza



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### Revised AACC Mass Spectrometry Certificate Program in Early 2016

Many of you are familiar with AACC Mass Spectrometry online certificate program that was started in 2010. This fall, Dr. Victoria Zhang worked with AACC, the MS3 Division and previous and new contributing authors to update the certificate program for 2016. A new program, Introductory Liquid Chromatography Mass Spectrometry for the Clinical Laboratory, will cover 10 essential topics and consist of a total of 20 lectures, slides, transcripts, references and quizzes. A certificate of completion and 12 ACCENT® credits will be available for graduates. It would benefit learners who have had limited exposure to the technology and would like to gain an understanding of the clinical aspects of LC-MS/MS. The program is expected to become available for enrollment on February 1, 2016, and the content is at the basic level, covering the essential aspects of LC-MS/MS system and its applications in laboratory medicine. More detailed information about the program can be found on AACC's website under Education & Careers/Online Certificates Programs starting in January. Note that later this fall, a second online certificate program on method validation and troubleshooting will become available to round out a broader curriculum of practical mass spectrometry education available to clinical laboratorians.

AACC wishes to thank Dr. Zhang and the dedicated team of professionals that helped put this education together for the lab community. We are very grateful for all the members and volunteers that make these education efforts possible.

We wish you and your families the happiest of holidays.

Sincerely, Joyce Arregui,

Manager, Professional Education, AACC

## The Mass Spectrometry and Separation Sciences Executive Committee

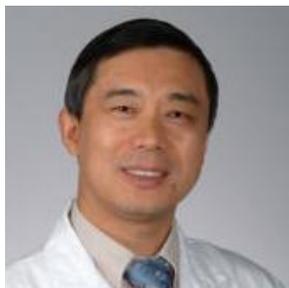


Dr. Yan Victoria Zhang PhD, DABCC

Chair

University of Rochester Medical Center

Dr. Zhang is Assistant Professor in Pathology and Laboratory Medicine, Director of Clinical Mass Spectrometry and Toxicology Laboratory, and Associate Director of Clinical Chemistry Laboratory at the University of Rochester Medical Center. She is the Past Chair of the AACC Upstate New York Local Section and the current President of the North American Chinese Clinical Chemists Association.



Dr. Yusheng Zhu PhD, DABCC, FACB

Treasurer

Medical University of South Carolina

Dr. Zhu is a tenured Associate Professor and Medical Director of Clinical Chemistry and Toxicology, Director of Postdoctoral Clinical Chemistry Fellowship Program at the Medical University of South Carolina. He is board certified by the American Board of Clinical Chemistry in Clinical Chemistry, Toxicological Chemistry, and Molecular Diagnostics and a Fellow of the National Academy of Clinical Biochemistry.

# MASS SPECTROMETRY AND SEPARATION SCIENCES DIVISION NEWS

AACC

Better health through  
laboratory medicine.

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Dr. Brent Dixon PhD, NRCC, FACB

Secretary

PCLS

Dr. Dixon is Chief Scientist and Director of Clinical Chemistry and Toxicology at PCLS. He is certified by the National Registry of Certified Chemists and a Fellow of the National Academy of Clinical Biochemistry. This year he is co-chair of the LCMS workshop for the 2015 annual ASMS Conference and has served on the LCMS workshop panel since 2011.



Dr. Steven Cotten PhD, DABCC, FACB

Newsletter Editor

Ohio State University

Dr. Cotten is Assistant Professor in Pathology at Ohio State University. He is associate director of Chemistry and Toxicology at the Wexner Medical Center. He is board certified by the American Board of Clinical Chemistry and a Fellow of the National Academy of Clinical Biochemistry.



Dr. Steven Wong PhD, DABCC, FACB

Member at Large

Wake Forest University

Dr. Wong is a tenured Professor of Pathology at Wake Forest University School of Medicine. He is the Director of Clinical Chemistry and Toxicology/Core Laboratory and Co-Director of the Clinical and Translational Mass Spectrometry Center. Dr. Wong is the immediate Past-President of AACC and a member of four divisions: TDM-CT (Founding Chair), Proteomics, Molecular Pathology (Past Chair) and MS<sup>3</sup>.



Dr. Saeed Jortani PhD, DABCC, FACB

Member at Large

University of Louisville

Dr. Jortani is Professor of Pathology and Laboratory Medicine at University of Louisville School of Medicine. He is the Founder and CEO of Kentucky Clinical Trials Laboratory (KCTL) and the Associate Director of University of Louisville Hospital's Clinical Laboratory. He is currently the Chair of the Divisions Management Group (DMG) at AACC.