



**Southern Section
of
AOAC
INTERNATIONAL**

29th Annual Meeting

**Doubletree Hotel
Buckhead**

**Atlanta
Georgia**

**April 14-16
2015**

**“The Scientific Association
Dedicated to Analytical Excellence”
www.ssaoac.com**

SUMMARY OF EVENTS

Monday, April 13

5:00 PM	Executive Committee Meeting	Lenox Room
6:00 PM	Exhibit & Poster Setup	Peachtree Ballroom

Tuesday, April 14

Exhibits & Posters 9:00AM - 4:00PM in the Peachtree Ballroom

7:30 AM – 4:00 PM	Registration	Foyer
8:30 AM – 11:00 AM	General Session	Piedmont Room
11:00 AM – 11:45 AM	Workshops	Piedmont Room
12:00 PM – 1:00 PM	Luncheon Workshop	Piedmont Room
1:15 PM – 4:30 PM	Workshops	Piedmont Room
5:00 PM – 8:00 PM	Evening Reception	Savannah's Restaurant

Wednesday, April 15

Exhibits & Posters 9:00 AM-3:15 PM in the Peachtree Ballroom

7:30 AM – 12:00 PM	Registration	Foyer
8:30 AM – 12:00 PM	Microbiology Session	Piedmont Room A
	Chemistry Session	Piedmont Room B
12:00 PM – 1:00 PM	Luncheon Workshop	Piedmont Room
1:30 PM – 4:30 PM	Microbiology Session	Piedmont Room A
	Chemistry Session	Piedmont Room B

Thursday, April 16

9:00 AM – 4:00 PM	Short Course	Piedmont Room
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Southern Section of AOAC INTERNATIONAL
“The Scientific Association Dedicated to Analytical Excellence”

April 14, 2015

Dear Colleagues,

Welcome to the 29th Annual Meeting of the Southern Section of the AOAC International in beautiful Atlanta, GA! Naturally, I expect everyone to take a little time to discover the awesome food, shopping, and nightlife of Buckhead, the Beverly Hills of the East, but we also want to catch up with old friends, and maybe even make some new ones we can look forward to seeing again next year, at the Southern Section Reception at *Savannah's*, the Doubletree Hotel's outstanding restaurant, Tuesday evening featuring complimentary drinks, heavy appetizers, and live entertainment. Wow, listen to me already talking about next year when I haven't even told you about what's going on this year yet.

First, I'll tell you who we are. The Southern Section of the AOAC International (SSAOAC) is a volunteer organization comprised primarily of chemists and microbiologists who are dedicated to Analytical Excellence. The section is comprised of twelve states (AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, & TX). That's a lot of local, state, and federal government organizations, private industries, and academic institutions from which to attract the highest level of analytical expertise to our organization – and that's exactly what we've done. And, we are always looking to bring in more of you that share our passion for analytical excellence in every aspect of what we do as professionals.

Before I get into the meeting, I need to mention a few very important things. First, the Southern Section sponsors the Anant Jain Founder's Award, given annually to a member of the Southern Section who has demonstrated outstanding dedication and service to the section. This year's well-deserving recipient is Amy Brown, a past President and long-time member of the section who has gone above and beyond for the organization time and time again to ensure that the SSAOAC continues to represent the highest level of Analytical Excellence. We also have Ron Johnson, Sr. Manager, Scientific Affairs at Biomerieux, and a member of the AOAC International Board of Directors, to give the annual AOAC International Update. In addition, we are very fortunate to have Dr. Michael P. Doyle, Regents Professor and Director, Center for Food Safety, at the University of Georgia, to deliver our Keynote Address, entitled “**Challenges in Food Protection: A Global Opportunity**”.

And all of that just gets us started with the 2015 Annual Meeting. President-Elect Vilasini (Val) Suktankar and the rest of the Planning Committee have been working since last year's Annual Meeting to put together a better, more exciting, program that includes more technical workshops on state-of-the-art instrumentation and techniques from our Vendor Partners, cutting-edge chemistry and microbiological presentations from our current members, including a few from our younger, rising analytical stars in the section, and more intensive and informative short courses on chromatography, mass spectrometry, method development taught by some of the best and brightest instructors in the Southern Section. Oh, and don't forget about our awesome Vendor Partners, who really make it possible for us to have this meeting. They will be available in the Peachtree Ballroom to discuss your analytical needs, answer questions to help troubleshoot issues in your laboratories, and demonstrate their products that make our work possible.

Thank you again for attending the 29th Annual Meeting of the SSAOAC.
Sincerely,

Tim Beasley, President
Southern Section of AOAC International

2015 VENDOR PARTNERS

*Exhibit Area is open Tuesday 9:00 AM to 4:00 PM
and Wednesday 9:00 AM to 3:00 PM (Peachtree Ballroom)*

Agilent Technologies
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Biotage, LLC.
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LUNCHEON WORKSHOPS



Agilent Technologies

BREAKS



NAME BADGE LANYARDS



ATTENDEE BAGS



SHORT COURSE



Tuesday, April 14 General Session

Morning Session—Piedmont Room

- 8:30-8:35** Welcome—President
Tim Beasley, the Coca-Cola Company
- 8:35-8:40** Call to Order—President-Elect
Val Suktankar, FDA Southeast Regional Lab
- 8:40-8:55** Presentation of the Anant Jain Founder's Award
Val Suktankar, FDA Southeast Regional Lab
Presentation of Doug Hite Honorarium
Tim Beasley, The Coca-Cola Company
- 8:55-9:35** AOAC International Update
Ron Johnson, Sr. Manager, Scientific Affairs-Biomerieux
AOAC International Board of Directors
- 9:35-10:15** Keynote Speaker
Dr. Michael P. Doyle
Regents Professor and Director, Center for Food Safety,
University of Georgia
“Challenges in Food Protection: A Global Opportunity”
- 10:15-11:00** Break—Cash Drawing and Door Prizes (Exhibit Hall)
VISIT EXHIBITORS AND POSTERS

Workshops Piedmont Room

Moderator: Joe Basile

- 11:00-12:00** See Things Other Technologies' Miss—The New Food
Testing Methods that Deliver Clear, Confident Answers
Farzad Pakdel, SCIEX

Luncheon Session

*Limited to the first 50 attendees who sign up at the
registration desk Tuesday morning. Lunch is provided.*

- 12:00-1:00** Multi Residue Analysis Reference Materials
Danel Biggerstaff, o2si Smart Solutions
- 12:00-1:00** Lunch on your own for all others

Tuesday, April 14 Workshops

- 1:00-1:45** **ACQUITY QDa: The Chromatographer's Mass Spec-A Look Under the Cover**
Richard Daw, Waters
- 1:45-2:30** **Tools I Can't Live Without: Speed Up Method Development and Translation, Essentials for GC and GC/MS Users**
Julie Kowalski, Restek
- 2:30-3:00** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 3:00-3:45** **Detection and Quantitation of Multi-Class Veterinary Drugs(~300)in Different Meat Matrices by LC-MS/MS**
Charles Yang, Thermo Fisher
- 3:45-4:30** **R/AM Targeted and Non-Targeted Screening for Food Contaminates Using LC-TOF with Advanced Data Acquisition and Software Strategies**
Steven T Fannin, Bruker
- 5:00-8:00** **Southern Section Reception**
Savannah's Restaurant

The SSAOAC Executive Committee invites you to attend a reception in the Doubletree's *Savannah's Restaurant* on Tuesday, April 14, 2015, in appreciation of your continued support of analytical sciences and the Southern Section of AOAC International, and especially for your attendance at our 2015 Annual Meeting. Please relax and enjoy complimentary drinks and heavy appetizers while catching up with colleagues and old friends from last year, and networking with fellow scientists, administrators, and Vendor Partners.

Wednesday, April 15

Microbiology Presentations

Morning Session—Piedmont Room A
Breaks and Exhibits in the Peachtree Ballroom

Moderator: Irshad M. Sulaiman, PhD

8:30-9:00 ***Applying MALDI-TOF Mass Spectrometry for Bacterial Strain Characterization***

Hercules Moura. Ph.D, Centers for Disease Control (CDC)

9:00-9:30 ***New Technology, New Application***

Yun F. Wang, MD, PhD, Emory University, Grady Memorial Hospital

9:30-10:00 ***Optical Mapping – Powerful tool for NGS Data Analysis, Modern Method Study of Bacterial, Parasite and Other Large Genomes***

Vladimir N. Loparev, PhD, Centers for Disease Control and Prevention (CDC)

10:00-11:00 **Break—Cash Drawing and Door Prizes (Exhibit Hall)
VISIT EXHIBITORS AND POSTERS**

11:00-11:30 ***Epidemiologic and Diagnostic Aspects of Hepatitis E Virus Infection***

Saleem Kamili, PhD, Centers for Disease Control and Prevention (CDC)

11:30-12:00 ***Global Public Health Challenges due to Emergence of Artemisinin Resistant Plasmodium falciparum***

Kumar V. Udhayakumar, PhD, Centers for Disease Control and Prevention (CDC)

12:00-1:30

Luncheon Session

John Mills, BioMérieux – Microbiology

Luncheon Workshops include lunch for a limited number of attendees.

Sign up at the registration desk Wednesday morning.

Wednesday, April 15

Microbiology Presentations

Afternoon Session—Piedmont Room A
Breaks and Exhibits in the Peachtree Ballroom

Moderator: Irshad M. Sulaiman, PhD and Melissa Benjamin

- 1:30-2:00** ***Pulmonary Hypertension: Current Therapies and Molecular Mechanisms***
Kaiser M. Bijli, PhD, Atlanta Veterans Affairs, Emory University Medical Centers
- 2:00 -2:30** ***Use of PCR RFLP and Sequencing in Cryptosporidium Epidemiological Investigations***
Vitaliano A. Cama, DVM, PhD, Centers for Disease Control and Prevention (CDC)
- 2:30-3:00** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 3:00-3:30** ***Challenge of Testing of Food Samples***
Ynes Ortega, PhD, University of Georgia (UGA)
- 3:30-4:00** ***Assessment of Growth Conditions for Optimal Recovery of Cronobacter Spp.***
Katharine Segars, PhD, Food and Drug Administration (FDA)
- 4:00-4:30** **How FDA Labs are Implementing the Food Modernization Act?**
Irshad M. Sulaiman, PhD, Food and Drug Administration (FDA)
- 4:30-4:45** **Southern Section of AOAC Annual Meeting Concludes, Closing Remarks, Grand Prize Drawing**

Wednesday, April 15

Chemistry Presentations

Morning Session—Piedmont Room B
Breaks and Exhibits in the Peachtree Ballroom

Moderator: Fadi Aldeek

- 8:30-9:00** ***Considerations for Developing Pesticide Residue Screens on the Q-Exactive MS Platform***
Mark R. Crosswhite, Walter Hammack, Florida Department of Agriculture and Consumer Services
- 9:00-9:30** ***The 2014 Top Ten observed ISO/IEC 17025 Accreditation Nonconformities***
Lawrence Lagman, Perry Johnson Laboratory Accreditation (PJLA)
- 9:30-10:00** ***Chemical Residue in Food Matrices: Extraction and Characterization***
Fadi Aldeek, Walter Hammack, Florida Department of Agriculture and Consumer Services
- 10:00-11:00** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 11:00-11:30** ***Management of High Risk Chemical Ingredients in Pet Food***
Denise Mitchell, MARS
- 11:30-12:00** ***Evaluation of the Effect of Commercially Manufactured Feeds with Different Fat Compositions on Fatty Acid Composition of Captive Breeding Alligator Eggs***
Ashley Mikolajczyk, University of Louisiana at Lafayette
- 12:00-1:30** **Luncheon Session**
Jessica Westland, Agilent - Chemistry

Luncheon Workshops include lunch for a limited number of attendees. Sign up at the registration desk Wednesday morning.

Wednesday, April 15

Chemistry Presentations

Afternoon Session—Piedmont Room B
Breaks and Exhibits in the Peachtree Ballroom

Moderator: Mark Crosswhite

- 1:30-2:00** ***How to Meet ISO/IEC 17025 Requirements for Method Validation/Verification Process***
Lawrence Lagman, Perry Johnson Laboratory
Accreditation (PJLA)
- 2:00-2:30** ***HPLC-DAD Method for Trace Detection of Benzoic and Sorbic Acids in High Protein Matrices***
Chase Clark, Deerland Enzymes
- 2:30-3:00** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 3:00-3:30** ***Training Analysts to Perform AOAC Methods to Determine Presence of Insect and Rodent Contamination in Food Products***
Mickey Anderson, Cheryl Love-Harris,(FDA)
- 3:30-4:00** ***A Proposed Rapid Analytical Method for Quantification of Volatile Organic Acids in Fermentation Broth***
Alyssa Bienvenu, University of Louisiana at Lafayette
- 4:00-4:30** ***Converting Waste to Value-Added Products***
Bill Holmes, University of Louisiana at Lafayette
- 4:30-4:45** **SS AOAC Annual Meeting Concludes, Closing Remarks, Grand Prize Drawing in Foyer**

**Southern Section of AOAC
Poster Presentations
April 14-15, 2015**

*Poster Area is open Tuesday from 9:00 AM to 4:00 PM
and Wednesday from 9:00 AM to 3:15 PM (Peachtree Ballroom)*

Char It! Black is the New Green, Using Mass Spectrometry to Analyze Compositions and BTU Content of Off-Gas from Torrefaction Process

Troy Manuel(1,2), Claire Maraist(1,2), Timothy Boudreaux(1,2), William Holmes(1,2), and Prashanth Buchireddy(2)1-Department of Chemical Engineering, University of Louisiana at Lafayette, LA, 2-Energy Institute, University of Louisiana at Lafayette, LA

Ask Me About My Pepper, Y'all! Analytical Determination of Scoville Heat Units Using High Pressure Liquid Chromatography

Maci Gauthreaux(1,2), Whitney Melacon(1,2), William Holmes(1,2), Troy Primeaux(3), and Mark Zappi(1,2)1-Department of Chemical Engineering, 2-Energy Institute, University of Louisiana at Lafayette, LA, 3-Primo's Peppers, Lafayette, LA

Direct Determination of Glyphosate, AMPA, and Glufosinate in Milk by Liquid Chromatography/Tandem Mass Spectrometer

Narong Chamkasem, Cynthia Morris, Tiffany Harmon,SRL, Atlanta, GA

Analysis of Abamectin in a Contaminated Organic Insecticide Using Modified QuEChERS Techniques

Natalie Wilson,Ping Wan,Office of Indiana State Chemist, West Lafayette, IN

Optimized Sample Preparation Method for the Analysis of Pesticide Residues in Coffee

Brian Kinsella, UCT

Screening 22 Veterinary Drugs in Honey by LC/MS/MS with Modified Quechers Method

Xiujing Baggett, Lin Ye, Food and Drug Administration (FDA)

Anant Jain Founder's Award

The 2015 Recipient is Amy Brown

The Anant Jain Founder's Award was established in 1999 to honor a distinguished member of the Southern (formerly Southeast) Section of the AOAC International who continues to make contributions to our Section through their leadership. The recipient must have held a leadership role as a Section officer and had an active role in the Section.

Past recipients:

1999 Anant Jain	2007 Lurlene Dixon
2000 Wick Johnson	2008 Jim McGuire
2001 Sher Ali	2009 Sherry Garris
2002 Virlyn Burse	2010 Reuben Beverly
2003 Doug Hite	2011 Anne Reid
2004 Jim Scott	2012 Dana Barr
2005 Larry Lagman	2013 Joe Rainey
2006 Mike Farrow	2014 Jay Hardee

Doug Hite Honorarium

The 2015 Recipient is Doug Hite

The Doug Hite Honorarium was established in 2006 by Co-Presidents Sherry Garris and Jim McGuire to recognize the dedication and leadership that Doug has demonstrated to the Southern Section and AOAC International.

The recipient will be determined by the Section Awards Committee and must have held a leadership role in the Section, had an active role in the Section for a minimum of 10 years, and be a member of the AOAC International Board of Directors, Official Methods Board, or active in Association work.

Past recipients:

2006 Doug Hite
2007 Anant Jain
2008 Jo Marie Cook
2009 Gayle Lancette
2010 Wayne Ziemer
2011 Doug Hite
2012 JoMarie Cook
2013 Doug Hite

Fellows of AOAC INTERNATIONAL from the Southern Section

The Fellow of AOAC INTERNATIONAL Award recognizes the dedication and commitment of those volunteers who serve the Association. Fellows are chosen from those members who have given 10 years of meritorious service to AOAC.

1990 Ken Boyer
1992 Gayle Lancette
1997 George Latimer
1997 Anant Jain

2000 Argentina Vindiola
2001 Doug Hite
2006 Wayne Ziemer
2011 Jo Marie Cook

AOAC Southern Section Officers 2014-2015

Tim Beasley (President)
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Past Presidents

1986	Anant Jain	2001	Lurlene Dixon
1987	Frank Allen	2002	Michael Curry
1988	Martha Hudak-Roos	2003	Jo Marie Cook
1989	Sher Ali	2004	Evelyn Bonnin
1990	Gail Parker	2005	Wayne Ziemer
1991	Jim Hess	2006	J.McGuire & S.Garris
1992	Virlyn Burse	2007	Reuben Beverly
1993	Doug Hite	2008	Anne Reid
1994	Bill Brooks	2009	Dana Barr
1995	Jim Scott	2010	Joe Rainey
1996	Larry Lagman	2011	Jay Hardee
1997	Bert Lynn	2012	Amy Brown
1998	Mike Farrow	2013	Bill Holmes
1999	Pat Beckett		
2000	Reba Ingram		

AOAC Southern Section Executive Committee Members 2014-2015

MEMBERS AT LARGE

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Lobby Level

