



**Southern Section
of
AOAC
INTERNATIONAL**

28th Annual Meeting

**Doubletree Hotel
Buckhead**

**Atlanta
Georgia**

**Sunday-Tuesday
April 13-15
2014**

**“The Scientific Association
Dedicated to Analytical Excellence”**

SUMMARY OF EVENTS

Sunday, April 13

9:00 – 4:30 PM	Short Course Chromatography and Mass Spectrometry Lenox Room- Bill Holmes, Bill Brewer, Mark Crosswhite
5:00 PM	Executive Committee Meeting Lenox Room
6:00 PM	Exhibit & Poster Setup Peachtree Ballroom

Monday, April 14

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

7:30 AM – 4:00 PM	Registration	Foyer
8:30 AM – 10:15 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 – 5:00 PM	Workshops	Piedmont Room
5:00 PM – 8:00 PM	Evening Reception	Savannah's Restaurant

Tuesday, 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 Chemistry Session	Piedmont Room A Piedmont Room B
12:00 PM – 1:15 PM	Lunch	On your own
1:30 PM – 4:30 PM	Microbiology Session Chemistry Session	Piedmont Room A Piedmont Room B



Southern Section of AOAC INTERNATIONAL
“The Scientific Association Dedicated to Analytical Excellence”

April 14, 2014

Dear Colleagues,

Welcome to the 28th Annual Meeting of the Southern Section of AOAC INTERNATIONAL. President Elect Tim Beasley and the rest of the Executive Committee have put together an exciting and informative program for you.

Monday, the meeting will start with the presentation of awards. The awards are given to volunteers that have served the section, by planning the annual meetings and staying active in the section. This year's recipient of the Anant Jain Founder's Award is Jay Hardee. Jay is a Past President and has provided many years of service to the section. We also have some special recognition awards for volunteers and long-standing members of our section.

Following the awards, Ron Johnson, Sr. Manager, Scientific Affairs at Biomerieux, and a member of the AOAC International Board of Directors, will give the AOAC International Update. This year's keynote speaker is Dr. David W. K. Acheson, M.D., F.R.C.P., President and CEO of The Acheson Group. His keynote address is entitled “The Latest Trends in Food Safety”.

After a short break, there will be workshops featuring the latest analytical techniques and technology from several of our Vendor Partners. Be sure to visit our Vendor Partners and their exhibits during the breaks. They play a big part in our meeting each year in providing professional and informative exhibits and technical representatives who are ready to answer questions and provide assistance on everything from consumables to complex technical applications. The day's activities culminate with the Southern Section Reception in *Savannah's*, an evening soiree in the Doubletree's Savannah's Restaurant that features live entertainment and complimentary drinks and heavy appetizers.

Tuesday is filled with informative presentations from section members on their latest scientific innovations, breakthroughs, and techniques in breakout sessions for both Microbiology and Chemistry. Technical posters will be on display throughout the entire meeting in the exhibit hall for your viewing when visiting our Vendor Partners.

Thank you for attending the 28th Annual Meeting of the Southern Section of AOAC INTERNATIONAL and allowing me to serve you as your Section President for 2013-14. We are always looking for colleagues to join the SSAOAC Executive Committee. If you would like to get involved in the operations of the Southern Section, contact me or any other Executive Committee member.

With Much Appreciation,

William Holmes, President
Southern Section of AOAC INTERNATIONAL

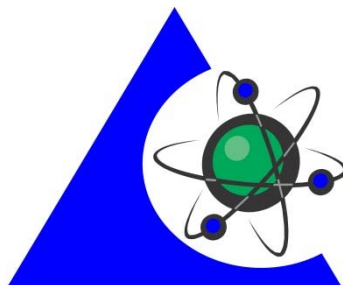
2014 VENDOR PARTNERS

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

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WATERS**

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BREAKS



PJLA

ATTENDEE BAGS



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LUNCHEON WORKSHOP



WORKSHOPS

**AB Sciex
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Waters**

Monday, April 14 General Session**Morning Session—Piedmont Room**

- 8:30-8:40** Welcome—President
Bill Holmes, Univeristy of Louisiana Energy Institute
- 8:40-8:45** Call to Order—President-Elect
Tim Beasley, The Coca-Cola Company
- 8:45-8:55** Presentation of the Anant Jain Founder's Award
Tim Beasley, The Coca-Cola Company
Presentation of Special Appreciation Awards
Doug Hite, ICD Associates
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
David Acheson, M.D.
President and CEO, The Acheson Group LLC
"The Latest Trends in Food Safety"
- 10:15-11:00** Break—Cash Drawing and Door Prizes (Exhibit Hall)
VISIT EXHIBITORS AND POSTERS

Workshops
Piedmont Rooms**Moderator: Joe Basile**

- 11:00-11:45** New Innovations in ICP_MS Technology Facilitates the
Analysis of Undiluted High Matrix Samples
Agilent Technologies
- 11:45-12:00** Cash Drawing and Door Prizes (Foyer)

Luncheon Session

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

- 12:00-1:00** Mass Spectrometry Based Solutions for Chemical and
Microbial Testing in Food and the Environment
Bruker Daltonics
- 12:00-1:00** Lunch on your own for all others

Monday, April 14 Workshops

- 1:15-1:50** Shoot-and-Dilute GC: A Way to Keep GC Systems Up Longer to Help Lower Cost of Analyses
Restek
- 1:50-2:25** What's in Your Food? New Tools and Workflows that Accurately Find & Identify Residues and Contaminants
AB SCIEX
- 2:25-3:15** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 3:15-3:50** Using Advanced Mass Spectrometry Tools for Multi-Residue Screening
Waters
- 3:50-4:25** Using a Molecular Method to Achieve Rapid and Accurate Results in Food Pathogen Detection
Roka Bioscience
- 4:25-5:00** Environmental and Food Safety concerns? How to detect contaminants quickly using current hardware and software
Thermo Fisher Scientific
- 5:00-8:00** **Southern Section Reception at Savannah's**
Savannah's Restaurant

The SSAOAC Executive Committee invites you to attend a reception in the Doubletree's *Savannah's Restaurant* on Monday, April 14, 2014, in appreciation of your continued support of analytical sciences and the Southern Section of AOAC International, and especially for your attendance at our 2014 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.

Tuesday, April 15

Microbiology Presentations

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

Moderator: Val Suktankar

- 8:30-9:00** ***Basic Aspects of Rapid MALDI-TOF MS Identification of Microorganisms***
Hercules Moura, Ph.D., Centers for Disease Control (CDC)
- 9:05-9:35** ***Development of High-Resolution Gas Chromatographic Methods for Bacterial Metabolic Profiling***
Dr. Jean-Marie D. Dimandja, Associate Professor of Chemistry, Spelman College
- 9:40-10:10** ***Application of Next Generation Sequencing for Detection, Identification, and Characterization of Foodborne Pathogens.***
Irshad Sulaiman, PhD, Food and Drug Administration (FDA)
- 10:10-11:00** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 11:00-11:15** ***Induction of Cyanide Metabolizing Enzymes and Evaluation of Fungal Inhibition by Rhodococcus species***
Katherine Segars, Ph.D., Food and Drug Administration (FDA)
- 11:20-11:35** ***A Comparison Study of Two Secondary Enrichments for the Detection and Recovery of Cronobacter spp. from Infant Cereals***
Nancy Miranda and Kathy Noe, Food and Drug Administration (FDA)
- 11:45-12:00** ***Development of a Real-Time PCR Rapid Method for Detection of Salmonella Enteritidis in Environmental Swabs***
LaCresha Chatman, Food and Drug Administration (FDA)
- 12:00-1:15** **LUNCH BREAK ---Cash Drawing and Door Prizes (Foyer)**

Lunch on your own

Tuesday, April 15

Microbiology Presentations

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

Moderator: Rossana Kelton

- 1:30-2:00** ***Development of a Method to Detect Mites(Acarus sp. And others) on the Surface of Certain Imported Cheese***
Mickey Anderson, Food and Drug Administration (FDA)
- 2:05 -2:35** ***Challenges and Limitations in the Detection of Foodborne Parasites***
Break
Dr. Ynes Ortega, Dept of Food Science and Technology, University of Georgia
- 2:35-2:55** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 3:00-3:15** ***Detection of Viruses in Foods***
Gail Wagley, Food and Drug Administration (FDA)
- 3:20-4:00** ***The Importance of Laboratory Accreditation in the Future***
Larry Lagman, ASQ-CMQ-OE, ASQ-CQA, Kwalitiy Management Solutions
- 4:20-4:30** **SS AOAC Annual Meeting Concludes, Closing Remarks, Grand Prize Drawing**

Tuesday, April 15

Chemistry Presentations

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

Moderator: Amy Brown

- 8:30-8:55** ***Iron Cycling at the Groundwater-Seawater Interface: Field Studies on the Generation of Reactive Oxygen Species***
Justin M. Copeland, D.M.C. Dias, John L. Ferry, Timothy J. Shaw, Dept. of Chemistry and Biochemistry, University of South Carolina
- 9:00-9:25** ***An introduction to energy research at The University of Louisiana's Cleco Alternative Energy Center***
William Holmes, Mark Zappi, Rafael Hernandez, Prashanth Buchireddy, Terry Chambers, and Emmanuel Revellame; The University of Louisiana, Energy Institute
- 9:30-9:55** ***Analysis of Organochlorine Pesticides in Water Using Disposable Pipette Extraction (DPX) and Gas Chromatography–Mass spectrometry (GC-MS)***
Hongxia Guan¹ and Qingsong Cai², ¹Western Illinois University, Macomb, IL 61455, ²University of Georgia, Athens, GA 30602
- 9:55-10:30** **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 10:30-10:55** ***Insecticides and Their Degradates in Baby Food: Implications for Risk Assessment***
Samantha Radford, Dept. of Chemistry, Berry College.
- 11:00-11:25** ***Method Development for the Extraction and Quantification of 3-Phenoxybenzyl Alcohol***
Molly Lockart, Dept. of Chemistry, Berry College.
- 11:30-12:00** ***The Importance of Laboratory Accreditation in the Future***
Larry Lagman, ASQ-CMQ-OE, ASQ-CQA, Kquality Management Solutions
- 12:00-1:15** **LUNCH BREAK ---Cash Drawing and Door Prizes (Foyer)**
Lunch on your own

Tuesday, April 15

Chemistry Presentations

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

Moderator: Sherry Garris

- 1:20-1:45 ***Automated sample preparation and analysis workflows for mycotoxin screenings in food samples using LC/MS/MS***
Oscar G. Cabrices, GERSTEL Inc., Linthicum, MD, USA
- 1:50-2:15 ***Fresh From Florida -The Analysis of Florida Honey Samples for a Broad Class of Pesticides using GC-MS/MS Triple Quadrupole and LC-High Resolution Mass Spectrometry Instrumentation.***
Amy N. Brown, CPM, CGMP, Florida Dept. of Agriculture and Consumer Services
- 2:20-2:40 **Break—Cash Drawing and Door Prizes (Exhibit Hall)**
VISIT EXHIBITORS AND POSTERS
- 2:45-3:10 ***Analysis of Pesticides in Olive Oil Using a Modified QuEChERS Method with LC-MS/MS and GC-MS/MS***
Narong Chamkasem, PhD and Tiffany Harmon, Food and Drug Administration
- 3:15-3:50 ***Considerations for Extracting and Analyzing Triphenylmethane Antimicrobial Dyes from Catfish, Salmon and Shrimp***
Mark Crosswhite, Ghislain Gerard, Walter Hammack , Florida Dept. of Agriculture and Consumer Services
- 3:55-4:20 **The Changing Role of LC-MS/MS in Food Testing: A Look at the Latest Solutions for Residue Screening**
Andre Schreiber, AbSciex
- 4:20-4:30 **SS AOAC Annual Meeting Concludes, Closing Remarks, Grand Prize Drawing**

Southern Section of AOAC Poster Presentations

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

April 14-15, 2014

Analysis of Pesticide Residue in Spinach using the AutoMate-Q40 an Automated QuEChERS Solution.

Tyler Trent, SVOC Applications Sales Specialist, Teledyne Tekmar

Analysis of the Vitamin B Complex in Infant Formula Samples by LC-MS/MS

André Schreiber, ABSCIEX

LC-MS/MS-Based Metabolomics for Authenticity Assessment of Fruit Juices

André Schreiber, ABSCIEX

Anant Jain Founder's Award

The 2014 Recipient is Jay Hardee

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
2000 Wick Johnson
2001 Sher Ali
2002 Virlyn Burse
2003 Doug Hite
2004 Jim Scott
2005 Larry Lagman
2006 Mike Farrow

2007 Lurlene Dixon
2008 Jim McGuire
2009 Sherry Garris
2010 Reuben Beverly
2011 Anne Reid
2012 Dana Barr
2013 Joe Rainey

Doug Hite Honorarium

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

The recipient will be determined by the Section Awards Committee and must have held a leadership role in the Section, must have 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 Committee work.

Past recipients:

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

Fellows of AOAC INTERNATIONAL from the Southern Section

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 2013-2014**

William Holmes (President)
William Holmes, Director
Analytic and Process Chemistry
The University of Louisiana
Energy Institute
P.O. Box 42251
131 Rex Street, Madison Hall 224
Lafayette, LA 70504
337-326-6861

Val Suktankar (Secretary)
Supervisory Microbiologist
FDA Southeast Regional Lab
60 8th Street, N.E.
Atlanta, GA 30309-3959
Phone: (404) 253-2262
Fax: (404) 253-1209
vilasini.suktankar@fda.hhs.gov

Tim Beasley (President-Elect)
Water Policy Manager
Global Quality & Food Safety
The Coca-Cola Company, Inc.
1 Coca-Cola Plaza NW TEC 701B
Atlanta, GA 30313
404-676-3840 phone
404-598-3840 fax
tbeasley@coca-cola.com

Doug Hite (Treasurer)
President
ICD Associates
Nashville, TN
615-491-8600
dhite420@comcast.net

Amy Brown (Immediate Past President)
Environmental Manager
Chemical Residue Laboratory
Food Safety Division, DOACS
3125 Conner Blvd., Lab 3
Tallahassee, FL 32399
Phone: (850) 617-7510
Fax: (850) 922-9110
amy.brown@freshfromflorida.com

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		
1999	Pat Beckett		
2000	Reba Ingram		

**AOAC Southern Section
Executive Committee Members 2013-2014****MEMBERS AT LARGE****M. Sher Ali**

Staff Officer
Lab. QA Division
USDA / FSIS / OPHS
950 College Station Rd
Athens, GA 30605
Phone: (706) 546-3489
Fax: (706) 546-3453
Sher.Ali@fsis.usda.gov

Dana B. Barr

Research Professor, Department of
Environmental and Occupational Health
Rollins School of Public Health of Emory
1518 Clifton Rd, NE, Room 272
Atlanta, GA 30322
Phone: (404)-727-9605
Fax: (404) 727-8744

Joe Basile

Chemist III, Food & Drug Lab
AL Dept. of Agriculture & Ind.
1445 Federal Drive
Montgomery, AL 36107
Phone: (334) 240-7305
Fax: (334) 240-7267
Joseph.Basile@agi.alabama.gov

William E. Brewer

USC Chemistry Professor
Chemistry Department
631 Sumter St.
Columbia, SC 29208
Phone: (803) 622-9570
Fax: (803) 777-9521
brewer@mail.chem.sc.edu

Amit Chakrabarti

Supervisor, Chemical Residue Section
TN Department of Agriculture
P.O. Box 40627, Melrose Sta.
Nashville, TN 37205-0627
Phone: (615) 837-5134
Fax: (615) 837-5516
Amitabha.chakrabarti@tn.gov

Jo Marie Cook

Bureau Chief
Chemical Residue Laboratory
3125 Conner Blvd. Lab #3
Tallahassee, FL 32399-1650
Phone: (850) 488-9670
Fax: (850) 922-9110
jomarie.cook@freshfromflorida.com

Mike Farrow

ACNA Supervisory Chemist
FDA Southeast Regional Lab
60 8th St., NE
Atlanta, GA 30309-3959
Phone 404-253-2246
James.Farrow@fda.hhs.gov

Sherry Garris

Supervisor Chemical Residue Lab
SC Department of Agriculture
123 Ballard Court
West Columbia, SC 29172
Phone: (803) 737-9706
Fax: (803) 737-9703
sgarris@scda.sc.gov

Larry Lagman

Kwality Management Solutions
P.O. Box 195714
Little Rock, AR 72291
501-249-0106
Lawrence.lagman@kwalityms.com

Gail Hagood

Quality Assurance manager
Mississippi State Chemical Laboratory
1145 Hand Lab
310 Presidents Circle
Mississippi, State, MS 39762
ghagood@mscl.msstate.edu
662-325-2955

Jay Hardee

Consultant
Atlanta, GA
770-761-7791
jay.hardee@mail.com

Jim C. Jones

Microbiologist
USDA / FSIS / OPHS / EL
950 College Station Rd. Ste PB-23
Athens, GA 30605-2720
Phone: (706) 546-3563
Fax: (706) 546-3518
Jim.Jones@fsis.usda.gov

Ian M. P. Joseph, Ph.D.

Interdisciplinary Scientist
FDA Southeast Regional Lab
60 8th Street N.E.
Atlanta, GA 30309-3959
Phone: (404) 253-2352
ian.joseph@fda.hhs.gov

Rossana Kelton

Supervisor Microbiology
FDA Southeast Regional Lab
60 8th Street N.E.
Atlanta, GA 30309-3959
Phone: (404) 575-1576
Rossana.Kelton@fda.hhs.gov

Jim McGuire

Chemical Branch Mgr.
TN Department of Agriculture
P.O. Box 40627, Melrose Sta.
Nashville, TN 37204-0627
Phone: (615) 837-5337
Fax: (615) 837-5516
James.mcguire@tn.gov

Jon Pelt

Chemist III
Chemical Residue Laboratory
3125 Conner Blvd. Lab #3
Tallahassee, FL 32399-1650
Phone: (850) 617-7500
Fax: (850) 922-9110
Jonathan.pelt@freshfromflorida.com

James H. Scott

Consultant
Scott Consulting Services
1751 Cumberland Trace
Acworth, GA 30102
Phone: (770) 928-4089
Fax: (770) 928-0765
scottscs@ix.netcom.com

Darrell Sparks

Assistant Professor
Department of Biochemistry, Molecular
Biology, Entomology, and Plant Pathology
Mississippi State University
Box 9655
Mississippi State, MS 39762
Phone: (662) 325-7733
Fax: (662)-325-8664
DSparks@BCH.msstate.edu

Ronald Willett

Pesticide Supervisor
NC Dept. of Ag. & Cons. Services
1070 Mail Service Center
Raleigh, NC 27699-1070
Phone: (919) 857-4131
Fax: (919) 733-6801
Ronald.Willett@ncagr.gov

Lobby Level

