



**Southeast USA Section of AOAC International**  
*“The Scientific Association Dedicated to Analytical Excellence”*

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April 27, 2004

Dear Colleague:

It is a real pleasure to welcome you to the eighteenth annual meeting of the Southeast Section of AOAC International. This year's theme is [“Under the Global Microscope.”](#) Thanks to President-elect Evelyn Bonnin, who has diligently worked to produce a program that is exciting, informative, and thought provoking. The topics and activities scheduled should challenge you, add to your knowledge base, and entertain you. All of this is set against the backdrop of one of the Southeast's most exciting, colorful and diverse cities, Atlanta, Georgia.....

Please make every effort to let our vendors know how much our section values their participation and support. Their exhibitors' fees help fund our annual meetings and their expertise helps keep our members up-to-date on the latest technology. During your visits to the exhibit area, take the time to discuss your analytical needs with the wide array of trained professionals present. Also, don't hesitate to avail yourself of one of the seminars being presented. This is a great opportunity for high-quality, low-cost training. Finally, let the speakers participating in each session know how much you appreciate their efforts. They are volunteers and your positive feedback is their only compensation.

Enjoy the meeting and the ambience of Atlanta. Please don't hesitate to communicate any problems or concerns to the Executive Committee. Our goal is to provide you with an experience that is as enjoyable and fulfilling as possible. Have a great meeting!

Sincerely,

Joanne Cook, President  
Southeast Section of AOAC International

## Tuesday, April 27, General Session

### Morning Session

<b>Moderator:</b>	<b>Reba Ingram, Mississippi State Chemical Laboratory</b>
<b>8:00 AM- 8:10 AM</b>	<i>Welcome- President</i> <b>Joanne Cook, Florida Department of Agriculture</b>
<b>8:10 AM- 8:20 AM</b>	<i>Call to Order- President-elect</i> <b>Evelyn Bonnin, Food and Drug Administration</b>
<b>8:20 AM- 8:30 AM</b>	<i>Presentation of the Anant Jain Founder's Award</i> <b>Doug Hite, Tennessee Department of Agriculture</b>
<b>8:30 AM - 9:10 AM</b>	<i>Keynote Address: "Global Harmonization of Laboratory Protocols and Rapid Exchange of Public Health Surveillance Information – Need is Now More than Ever"</i> <b>Bala Swaminathan, Ph.D., Chief of Foodborne and Diarrheal Diseases, Centers for Disease Control and Prevention</b>
<b>9:10 AM - 9:25 AM</b>	<i>AOAC International Activities Update</i> <b>Gayle Lancette, Food and Drug Administration, AOAC International Board of Directors</b>
<b>9:25 AM - 9:50 AM</b>	<i>Global Microscope and the Need for Single Laboratory Validation for Analytical Methods</i> <b>Anant Jain, University of Georgia</b>
<b>9:50 AM - 10:40 AM</b>	<b><i>Break – Sponsored by Fisher Scientific</i></b> <b><i>Visit Exhibits...Support our Vendors!</i></b>
<b>10:40 AM - 11:05 AM</b>	<i>The Use of Packaging as an Anti-counterfeit and an Antiterrorism Tool</i> <b>Melvin Pascall, Ohio State University</b>
<b>11:05 AM – 11:35 AM</b>	<i>Ethnic Foods: Meeting the Challenge</i> <b>Kimberly Livsey, Food and Drug Administration, Southeast Region</b>
<b>11:35 AM - 12:00 noon</b>	<i>Application of Microscopic Techniques to Determine Animal Protein Products in Ruminant Feeds</i> <b>Larry Whitlock, Office of Texas State Chemist</b>
<b>12:00 noon - 1:30 PM</b>	<b>Lunch (on your own)</b>

## Tuesday, April 27, General Session

### Afternoon Session

#### Workshops

- 1:30 PM- 3:00 PM**      *Managing Matrix Interferences in Pesticide Analysis with GC-TOFMS and GCxGC-TOFMS*  
**Jack Cochran, LECO Corporation**
- 1:30 PM- 3:00 PM**      *ISO/IEC 17025 Workshop*  
**James Scott, Scott Consulting Services**
- 3:00 PM - 3:30 PM**      *Afternoon Break – Sponsored by VARIAN*  
*Visit our Vendors*
- 3:30 PM- 5:00 PM**      *Homeland Defense Applications of the IlluminatIR Microanalysis System*  
**William Wihlborg, Sensir Technologies**
- 3:30 PM- 5:00 PM**      *A Rapid Test for Detection of BSE (Mad Cow Disease)*  
**Wendy Lauer, Bio-Rad**
- 5:00 PM- 7:00 PM**      *Get Acquainted Social Sponsored by LECO*

**Wednesday, April 28**  
**Chemistry Concurrent Session**

**Morning Session**

- Moderator:** Sherry Garris, South Carolina Department of Agriculture
- 8:30 AM - 8:55 AM** *Approaches to the Examination of Taggants in Explosives*  
**Allah R. Najam, Bureau of Alcohol, Tobacco, Firearms & Explosives, Atlanta**
- 8:55 AM - 9:20 AM** *The Challenges of Developing a Multiclass Multiresidue Method, an Update on the QuEChERS Method for Pesticides*  
**Frank Schenck, Food and Drug Administration, Southeast Regional Laboratory**
- 9:20 AM - 9:45 AM** *Automated on-line Column Switching HPLC-MS/MS Measurement of Environmental Phenols in Urine*  
**Zsuzsanna Kuklenyik, Ph.D., Centers for Disease Control and Prevention**
- 9:45 AM - 10:10 AM** *Evaluation of the QuEChERS Method for Veterinary Drugs and Other Residues*  
**Sarah McMullen, Food and Drug Administration, Southeast Regional Laboratory**
- 10:10 AM - 10:45 AM** ***Break – Sponsored by THERMO ELECTRON***  
***Visit Exhibitor Booths***
- 10:45 AM - 11:10 AM** *Mass Spectrometry: New Applications in Clinical Diagnostics and Biomedical Research*  
**William Holmes, MS State Chemical Lab**
- 11:10 AM - 11:35 AM** *Rapid Development of Pesticide Analyses Using LC/MS*  
**Allen Williams, PhD, Tennessee Department of Agriculture**
- 11:35 AM - 12:00 noon** *Ultra High Throughput Microwave Digestion: 40 Samples per batch - A novel Breakthrough Approach for Pressurized Dissolutions*  
**Greg Barlow, CEM Corporation**
- 12:00 noon - 1:30 PM** ***SE AOAC Networking Luncheon***

**Wednesday, April 28**  
**Chemistry Concurrent Session**

**Afternoon Session**

- Moderator:** **Joanne Cook, Florida Department of Agriculture**
- 1:30 PM - 1:55 PM** *Current Applications in Environmental HPLC Analysis*  
**Becky Wittrig, Ph.D., HPLC Product Manager, Restek Corp.**
- 1:55 PM - 2:20 PM** *Determination of Cholesterol in Food Products making a Declaration of Low Cholesterol*  
**George Ware, Food and Drug Administration, Southeast Regional Laboratory**
- 2:20 PM - 2:50 PM** ***Break - Visit Exhibitor Booths***  
*Vendor door prize drawing*
- 2:50 PM - 3:15 PM** *Chloramphenicol in Honey by LC/MS*  
**Donna Kilpatrick, Florida Department and Consumer Service**
- 3:15 PM – 3:40 PM** *Analysis of Indoles in Fecal Samples by HPLC with Fluorescence Detection*  
**Lloyd Bennett, College of Veterinary Medicine, MSU**
- 3:40 PM – 4:05 PM** *Problems Incurred in the Validation of Lead and Cadmium by ICP-MS in Animal Tissue*  
**Kelly Russell, USDA, FSIS, OPHS, Eastern Laboratory**
- ????**  
**Dan Barr, CDC**
- 4:05 PM - 4:10 PM** **Drawing for Door Prizes and Closing Remarks**

**Wednesday, April 28**  
**Microbiology Concurrent Session**  
**Morning Session**

<b>Moderator</b>	<b>Lurlene Dixon, FDA, Southeast Regional Laboratory</b>
<b>8:30 AM - 8:55 AM</b>	<i>Emergence of Sorbitol-fermenting, Shiga toxin-producing E. coli O157</i> <b>Patrick F. Lannon, M.S., Florida Department of Agriculture &amp; Consumer Services, Division of Food Safety</b>
<b>8:55 AM - 9:20 AM</b>	<i>Enterobacter sakazakii</i> <b>Donald Zink, Ph.D., FDA, CFSAN</b>
<b>9:20 AM - 9:45 AM</b>	<i>The Use of Molecular Tools in the Investigation of Foodborne Cryptosporidiosis</i> <b>Lihua Xiao, DVM, PhD, Division of Parasitic Diseases National Center for Infectious Diseases, Centers for Disease Control and Prevention</b>
<b>9:45 AM - 10:10 AM</b>	<i>Detection of Multiple Clostridium botulinum Toxin Types by Modification of the DIG-ELISA</i> <b>Joseph Ferreira, Ph.D., Food and Drug Administration, Southeast Regional Laboratory</b>
<b>10:10 AM - 10:45 AM</b>	<b><i>Break-Sponsored by THERMO ELECTRON</i></b> <b><i>Visit Exhibitor Booths</i></b>
<b>10:45 AM - 11:10 AM</b>	<i>Detection of Hepatitis A from Green Onions using Reverse Transcription PCR</i> <b>Deborah Loveys, Food and Drug Administration, Southeast Regional Laboratory</b>
<b>11:10 AM - 11:35 AM</b>	<i>Microbiology Rapid Methods</i> <b>Willis Fedio, PhD, Laboratory Director, Food Safety Laboratory, Physical Science Laboratory, New Mexico State University</b>
<b>11:35 AM - 12:00 noon</b>	<i>A Rapid Most-Probable-Number-Based Enzyme-Linked Immunosorbent Assay for Detection of Salmonella typhimurium in a Poultry Processing Facility</i> <b>Paul Edmonds, Ph.D., School of Biology, Georgia Institute of Technology</b>
<b>12:00 noon - 1:30 PM</b>	<b><i>SE AOAC Networking Luncheon</i></b>

**Wednesday, April 28**  
**Microbiology Concurrent Session**

**Afternoon Session**

- Moderator** Wayne Ziemer, FSIS, US Department of Agriculture
- 1:30 PM - 1:55 PM** *Detection of Genes Encoding Clostridium botulinum Toxins Using Light Cyclers Real-time PCR*  
**Joanne D. Andreadis, PhD, Centers for Disease Control and Prevention National Center for Infectious Diseases**
- 1:55 PM - 2:20 PM** *Development of a Probe for the Detection of Non-O157 EHEC*  
**Timothy McGrath, Food and Drug Administration, Southeast Regional Laboratory**
- 2:20 PM - 2:50 PM** **Break- Visit Exhibitor Booths**  
*Vendor door prize drawing*
- 2:50 PM - 3:15 PM** *Application of Microarray Technology to Investigate Salmonella*  
**Jonathan G. Frye, PhD., USDA-ARS-SAA-RRC**
- 3:15 PM - 3:40 PM** *Salmonella Screen Method Transitioning in HACCP Meat and Poultry Monitoring*  
**Todd Lauze, USDA, FSIS, OPHS, Eastern Laboratory**
- 3:40 PM - 4:05 PM** *Microbiological Analysis of Meat, Poultry, and Egg Products in a High Throughput Regulatory Laboratory*  
**Monifa Peterson, USDA, FSIS, OPHS, Eastern Laboratory**  
*???*  
**Mark Harrison, UGA**
- 4:05 PM - 4:10 PM** **Drawing for Door Prizes and Closing Remarks**

## Vendors

*Exhibit area is open from 9:00 am –4:00 pm each day*

A&B APPLIED BIOSYSTEMS  
ABRAXIS LLC  
AGILENT TECHNOLOGIES INC  
BIO RAD  
CE-ELANTECH  
CEM  
CEPHEID  
CPI INTERNATIONAL  
DIONEX  
ELEMENTAR AMERICAS  
ELISA TECHNOLOGIES  
EMD CHEMICALS INC  
FISHER SCIENTIFIC \*  
FLEX-Y-PLAN  
FOSS NORTH AMERICA  
HORIZON TECHNOLOGY  
KELLY SCIENTIFIC  
LECO †  
3M CORPORATION  
MATHESON TRI GAS  
METTLER TOLEDO  
MILLIPORE  
MKC  
NEOGEN  
OI ANALYTICAL  
PERKIN ELMER  
RESTEK CORP  
RETSCH INC  
RITE WEIGHT  
ROBOT COUPE  
SAFETY STORAGE  
SENSIR  
SHIMADZU  
STRATEGIC DIAGNOSTICS  
THERMO ELECTRON \*  
VARIAN \*  
VICAM  
VWR  
WATERS  
WHEATON SCIENCE

*†The SE Section appreciates the continuing support from LECO Corporation as sponsor of our “Get Acquainted Reception”*

*\*We would like to thank these exhibitors for sponsoring our breaks.*



# SUMMARY OF EVENTS

## **Monday, April 26**

5:00 PM Executive Board Meeting

## **Tuesday, April 27** *Exhibits from 9:00 am –4:00 pm*

8:00 - 12:00 noon General Session

1:30-3:00 PM Workshops:

3:30 - 5:00 PM Workshops:

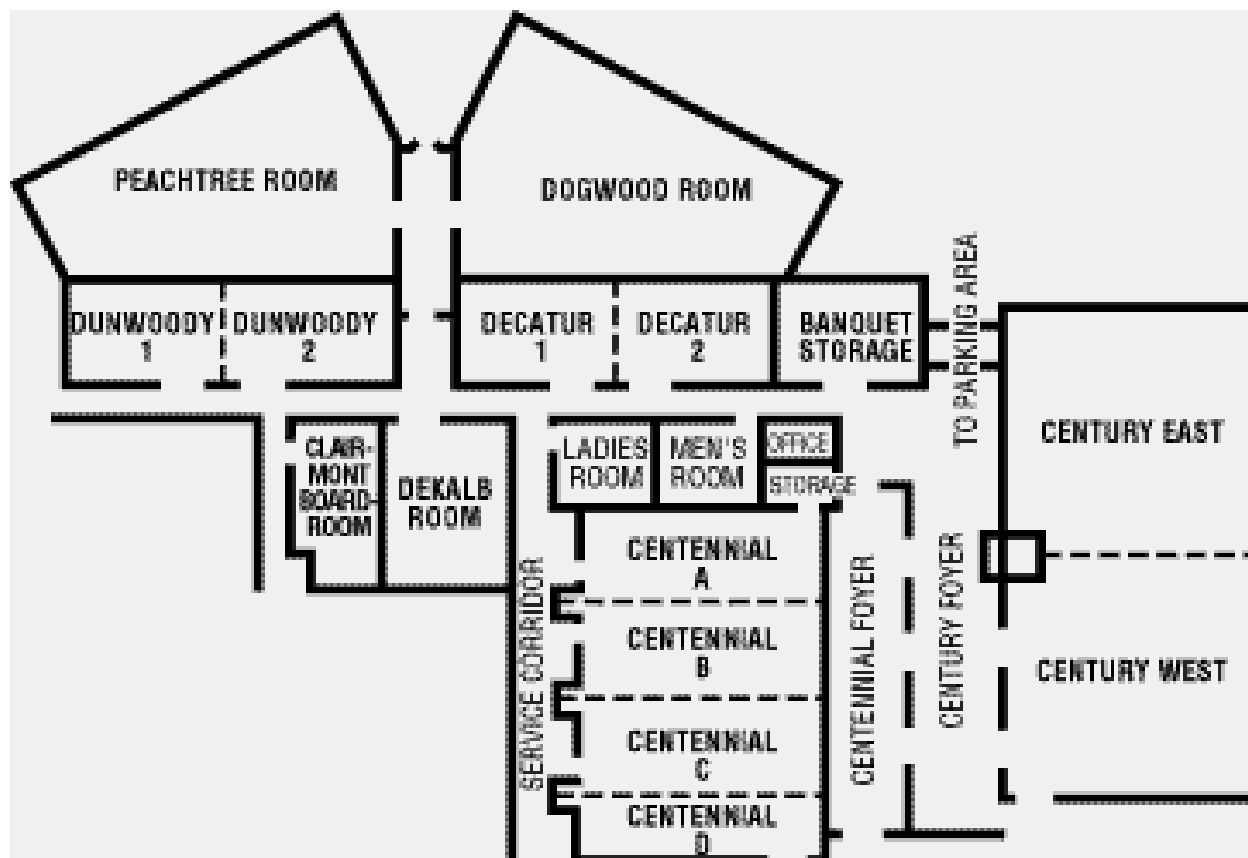
5:00 - 7:00 PM *Get Acquainted Reception*

## **Wednesday, April 28** *Exhibits from 9:00 am –4:00 pm*

8:30 – 12:00 noon Microbiology concurrent session  
Chemistry concurrent session

12:00 - 1:30 PM *SE AOAC Networking Luncheon*

1:30 – 4:00 PM Microbiology concurrent session  
Chemistry concurrent session



Meeting Room	Dimensions	Area	Capacity					
	(LxWxH)	Sq.Ft.	Theatre	Schoolroom	Conference	UShape	Reception	Banquet
Century Ballroom	50x100x16	5000	675	300			800	500
Century West	50x50x16	2500	338	150			450	250
Century East	50x50x16	2500	338	150			450	250
Centennial Ballroom	74x50x12	3700	500	225			675	350
Centennial A	20x50x12	1000	135	60	45	35	180	100
Centennial B	20x50x12	1000	135	60	45	35	180	100
Centennial C	20x50x12	1000	135	60	45	35	180	100
Centennial D	14x50x12	700	95	45	32	22	126	50
Dekalb	28x35x11	980	130	60	40	35	175	80
Decatur	64x21x11	1344	120	70	40		150	100
Decatur 1	32x21x11	672	60	35	20	25	75	50
Decatur 2	32x21x11	672	60	35	20	25	75	50
Dunwoody	64x21x11	1344	120	70	40		150	100
Dunwoody 1	32x21x11	672	60	35	20	25	75	50
Dunwoody 2	32x21x11	672	60	35	20	25	75	50
Clairmont Boardroom	15x35x11	501			12			
Peachtree	68x44x16	2992		100				
Dogwood	68x44x16	2992		100				
Magnolia Room (15th Floor)	17x35x8	621	60	35	30	30	75	50