



**Southern Section
of
AOAC
INTERNATIONAL**

20th Annual Meeting

**Doubletree Hotel
Buckhead**

**Atlanta
Georgia**

**Monday-Tuesday
April 24-25
2006**

**“Twenty Years of
Analytical Excellence”**

SUMMARY OF EVENTS

Sunday, April 23

5:00 PM Executive Committee Meeting – *Davidson Boardroom*
(*Exhibit Set-up from 6 – 12 PM*)

Monday, April 24

Exhibits from 9:00 AM to 4:00 PM!

Peachtree Ballroom

7:00 – 4:00 PM **Registration (Each Day)**

8:00 - 12:00 noon **General Session – *Piedmont Room***

1:30-3:00 PM **Workshops:**
Piedmont 1 Room *BAX Q7 Food Safety/Quality Testing Using Real Time PCR*
Amy Smith, Ph.D., Dupont Qualicon

Piedmont 2 Room *Deconvolute Difficult Matrices with a Quad Mass Spectrometer*
Rich Whitney, Ph.D., Shimadzu Scientific
Al Robbat, Ph.D., Tufts University

3:30 - 5:00 PM **Workshops:**
Piedmont 1 Room *LC/MS/MS Technology for Food and Pesticide Analysis*
Matthew Clabaugh, Applied Biosystems

Piedmont 2 Room *Lateral Flow Test for Detection of Pathogens*
Axel Dellenbusch, EMD Chemicals Inc.

5:00 - 7:00 PM ***Evening Reception- Savannah's Restaurant***

Tuesday, April 25

Exhibits from 9:00 AM to 2:00 PM!

Peachtree Ballroom

8:30 – 12:00 noon **Chemistry Concurrent Session – *Piedmont 1 Room***
Microbiology Concurrent Session – *Piedmont 2 Room*

12:00 - 1:30 PM ***Luncheon & Exhibitor Door Prize Drawing***
Peachtree Ballroom

1:30 – 4:30 PM **Chemistry Concurrent Session – *Piedmont 1 Room***
Microbiology Concurrent Session – *Piedmont 2 Room*



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

April 24, 2006

Dear Colleague:

It is a sincere pleasure to welcome you to the Twentieth Annual Meeting of the Southern Section of AOAC INTERNATIONAL. This year's theme is "Twenty Years of Analytical Excellence." President-elect Jim McGuire and Sherry Garris, have organized a meeting focused on our Section's effort to provide our attendees with an excellent technical program. The many contributions of our Executive Committee are greatly appreciated. Their dedication to this meeting enables us to bring together the contributions of scientists from federal, state, university, private and commercial laboratories throughout the South. These scientists strive to provide food, environmental and personal safety in a global economy. Take this opportunity to meet with speakers participating in each session and discuss your experiences. Never has there been a more important time for all of us to share analytical data than the current era of terrorism. Please take advantage of the diverse expertise at this meeting to bring us closer to the goal of analytical excellence.

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 the workshops being presented. This is a great opportunity for high-quality, low-cost training. Please 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.

This meeting is set against the backdrop of one of the South's most exciting, colorful and diverse cities, Atlanta, Georgia. Holding the meeting here encourages participation by all member laboratories in the south. 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,
Wayne Ziemer, President
Southern Section of AOAC INTERNATIONAL

Monday, April 24, General Session

Morning Session – *Piedmont Room*

(Breaks and Exhibits in the Peachtree Ballroom)

Moderator:	Evelyn Bonnin, FDA
8:00 AM- 8:10 AM	<i>Welcome- President</i> Wayne Ziemer, USDA, Food Safety and Inspection Service
8:10 AM- 8:20 AM	<i>Call to Order- President-elect</i> Jim McGuire, Tennessee Department of Agriculture Sherry Garris, South Carolina Department of Agriculture
8:20 AM- 8:30 AM	<i>Presentation of the Anant Jain Founder's Award</i> Doug Hite, Tennessee Department of Agriculture
8:30 AM - 9:00 AM	<i>Presentation of the Past Presidents' Awards</i> Doug Hite, Tennessee Department of Agriculture
9:00 AM - 9:40 AM	<i>Keynote Address: "Analytical Excellence: Past, Present and Future"</i> Anant Jain, Ph.D., Head of Toxicology, University of Georgia
9:40 AM - 10:30 AM	<i>Cash Drawing - Break Sponsored by LECO</i> <i>Visit Exhibits! Peachtree Ballroom</i>
10:30 AM - 11:10 AM	<i>AOAC INTERNATIONAL Update: Homeland Security Activities</i> James Bradford, Ph.D., AOAC INTERNATIONAL Bert Coursey, Director, Standards, Department of Homeland Security
11:10 AM – 11:35 AM	<i>Changes to ISO/IEC 17025</i> Jim Scott, Scott Consulting Services
11:35 AM - 12:00 noon	<i>The Implementation of a LIMS in an Agricultural Laboratory</i> Heidi Hicke, Montana Department of Agriculture Marcus Svee, Perkin Elmer
12:00 noon - 1:30 PM	Lunch (on your own)

Monday, April 24, General Session

Afternoon Session

(Breaks and Exhibits in the Peachtree Ballroom)

Workshops

- | | |
|--------------------------|--|
| 1:30 PM- 3:00 PM | <u>Piedmont 1 Room</u>
<i>BAX Q7 Food Safety/Quality Testing Using Real Time PCR</i>
Amy Smith, Ph.D., Dupont Qualicon |
| 1:30 PM- 3:00 PM | <u>Piedmont 2 Room</u>
<i>Deconvolute Difficult Matrices with a Quad Mass Spectrometer</i>
Rich Whitney, Ph.D., Shimadzu Scientific
Al Robbat, Ph.D., Tufts University |
| 3:00 PM - 3:30 PM | <i>Afternoon Break</i>
<i>Visit our Vendors – Peachtree Ballroom</i> |
| 3:30 PM- 5:00 PM | <u>Piedmont 1 Room</u>
<i>LC/MS/MS Technology for Food and Pesticide Analysis</i>
Matthew Clabaugh, Applied Biosystems |
| 3:30 PM- 5:00 PM | <u>Piedmont 2 Room</u>
<i>Lateral Flow Test for Detection of Pathogens</i>
Axel Dellenbusch, EMD Chemicals Inc. |
| 5:00 PM- 7:00 PM | <i>Evening Reception- Savannah's Restaurant</i> |

Tuesday, April 25
Chemistry Concurrent Session

Morning Session – *Piedmont 1 Room*

(Breaks and Exhibits in the Peachtree Ballroom)

- Moderator:** **Reuben Beverly, Georgia Department of Agriculture**
- 8:30 AM - 8:55 AM** *Analysis of Antibiotics in Seafood*
Joe Basile, Alabama Department of Agriculture
- 8:55 AM - 9:20 AM** *Mycotoxin Confirmations by LC/MS/MS*
Ronald Willett, North Carolina Department of Agriculture
- 9:20 AM - 9:45 AM** *Comparison of Multiresidue Extraction Methods for Pesticides in Produce*
William E. Brewer, Ph.D., Clemson Veterinary Diagnostic Center
Sherry Garris, South Carolina Department of Agriculture
- 9:45 AM - 10:10 AM** *GC/MS EI Compared to NCI and to EI with Deconvolution in Pesticide Analysis*
Allen Williams, Ph.D., Amit Chakrabarti, Ph.D. and Inam Munjal, Ph.D.
Tennessee Department of Agriculture
- 10:10 AM - 10:45 AM** *Cash Drawing, Break Visit Exhibitor Booths – Peachtree Ballroom*
- 10:45 AM - 11:10 AM** *Detection and Differentiation of Protein Toxins and Human Pathogens Using Mass Spectrometry*
John Barr, Ph.D., CDC
- 11:10 AM - 11:35 AM** *Veterinary Drugs and Aquaculture: Current Issues and Future Strategies*
Sarah McMullen, Ph.D., FDA
- 11:35 AM - 12:00 noon** *Development of an Analytical Method for Nicarbazin in Egg Yolk by HPLC with Absorbance Detection*
Lloyd Bennett, Mississippi State University
- 12:00 noon - 1:30 PM** *Tapas Lunch – Peachtree Ballroom*
Exhibitor Door Prize Drawing

Tuesday, April 25
Microbiology Concurrent Session

Morning Session – *Piedmont 2 Room*

(Breaks and Exhibits in the Peachtree Ballroom)

Moderator	Jim Jones, USDA
8:30 AM - 8:55 AM	<i>A Review of Selected Microbiological Outbreaks</i> Brian Shelton, M.P.H., Pathcon Laboratories
8:55 AM - 9:20 AM	<i>Laboratory Emergency Response Plan in Florida</i> Yvonne Hale, Florida Department of Agriculture
9:20 AM - 9:45 AM	<i>Characterization of Evolutionary Trends within the Salmonellae by Linkage of Single Nucleotide Polymorphisms to Phenotype</i> Jean Guard Bouldin, DVM, Ph.D., USDA-ARS
9:45 AM - 10:10 AM	<i>Using Real-Time PCR in Field Surveillance and Diagnostics for Avian Influenza and Exotic Newcastle Disease</i> Julie Helm, DVM, Clemson Livestock-Poultry Health
10:10 AM - 10:45 AM	<i>Cash Drawing - Break Visit Exhibitor Booths – Peachtree Ballroom</i>
10:45 AM - 11:10 AM	<i>Detection of Cyclospora Species in Produce Utilizing Filter-Based Conventional PCR</i> LaCresha Chapman, FDA
11:10 AM - 11:35 AM	<i>Evaluation of a Commercially Available ELISA Kit for the Detection of Enterotoxigenic E.coli</i> Tammara Stephens, FDA
11:35 AM - 12:00 noon	<i>Challenges in Running a Liquid Egg Laboratory</i> Kristi Scott, DVM, Ise Newberry, Inc
12:00 noon - 1:30 PM	<i>Tapas Lunch – Peachtree Ballroom</i> Exhibitor Door Prize Drawing

Tuesday, April 25
Chemistry Concurrent Session

Afternoon Session – *Piedmont 1 Room*

(Breaks and Exhibits in the Peachtree Ballroom)

- Moderator:** Dana Barr, CDC
- 1:30 PM - 1:55 PM** *How Much Cleanup is Necessary for the Determination of Pesticide Residues in Foods?*
Frank Schenck, FDA
- 1:55 PM - 2:20 PM** *Determination of Multiple Fluoroquinolones in Fish Tissue by LC/MS/MS*
Molly Cumming, Tennessee Department of Agriculture
- 2:20 PM - 2:45 PM** *Practical Application of GC/MS, Deconvolution and Library Search for Analysis of Pesticides*
Ghislain Gerard, Florida Department of Agriculture
- 2:45 PM - 3:05 PM** ***Break - Visit Exhibitor Booths – Peachtree Ballroom***
- 3:05 PM – 3:30 PM** *Pesticide Analysis in the Wake of Katrina and Rita: Analytical Lessons Learned*
Amy Hernandez, LSU AgCenter and Louisiana Department of Agriculture and Forestry
- 3:30 PM – 3:55 PM** *Dual -Layer SPE Technology for Pesticide Analysis in Food/Agricultural Matrices*
An Trinh, Supelco Inc.
- 3:55 PM – 4:20 PM** *Determination of Pesticide Residues in Honey by Modified Quenchers Extraction Method*
Xiujing Lu Baggett, Georgia Department of Agriculture
- 4:20 PM – 4:30 PM** **Drawing for Door Prizes, Cash Drawing and Closing Remarks**

Tuesday, April 25
Microbiology Concurrent Session

Afternoon Session – *Piedmont 2 Room*
(Breaks and Exhibits in the Peachtree Ballroom)

Moderator	Wayne Ziemer, USDA
1:30 PM - 1:55 PM	<i>New Technologies in Food Testing</i> Patrick Lannon, MS, Florida Department of Agriculture
1:55 PM - 2:20 PM	<i>Efficiency of Detecting Viruses from Environmental Waters</i> Brian Robinson, NOAA
2:20 PM - 2:45 PM	<i>Detection of E. coli Using the Luminex 100 System</i> Laura Webster, NOAA
2:45 PM - 3:05 PM	Break - Visit Exhibitor Booths – Peachtree Ballroom
3:05 PM - 3:30 PM	<i>Improved Media for Campylobacter Recovery</i> John Eric Line, Ph.D., USDA
3:30 PM - 3:55 PM	<i>Listeria monocytogenes Surveillance Isolates in the United States, 2005: Comparison of a Validated Multiplex PCR with Conventional Serotyping</i> Lewis Graves, CDC
3:55 PM – 4:20 PM	<i>Fumonisin in Maize in Guatemala, Preliminary Exposure Estimate, and Policies and Recommendations to Minimize Exposure</i> Ron Riley, Ph.D., USDA
4:20 PM - 4:30 PM	Drawing for Door Prizes, Cash Drawing and Closing Remarks

Anant Jain Founder's Award

This award was established in 1999 to honor a distinguished member of the Southern (formerly Southeast) Section of the AOAC International. This is a member who continues to make contributions to our Section through their leadership.

The requirements for the Founder's Award are as follows:

Must have held a leadership role as a Section officer.
Must have had an active role in the Section through meritorious service for a minimum of 10 years.

The Award Selection Committee is composed of all past recipients of the Founder's Award and they choose each year's recipient that will be honored at the annual meeting.

The 2006 recipient is Mike Farrow, Georgia Department of Agriculture

Past recipients are:

1999	Anant Jain
2000	Wick Johnson
2001	Sher Ali
2002	Virlyn Burse
2003	Doug Hite
2004	Jim Scott
2005	Larry Lagman

Southern Section of AOAC Past Presidents

- 1986 Anant Jain University of Georgia
- 1987 Frank Allen EPA
- 1988 Martha Hudak-Roos NMFS/NSIL
- 1989 Sher Ali USDA
- 1990 Gail Parker Florida Dept of Agriculture
- 1991 Jim Hess USDA
- 1992 Virlyn Burse Battelle
- 1993 Doug Hite Tennessee Dept of Agriculture
- 1994 Bill Brooks South Carolina Dept of Agriculture
- 1995 Jim Scott Scott Consulting Services
- 1996 Larry Lagman USDA
- 1997 Bert Lynn Mississippi State University
- 1998 Mike Farrow Georgia Dept of Agriculture
- 1999 Pat Beckett Florida Dept of Agriculture
- 2000 Reba Ingram Mississippi State University
- 2001 Lurlene Dixon FDA
- 2002 Michael Curry Georgia Dept of Agriculture
- 2003 Joanne Cook Florida Dept of Agriculture
- 2004 Evelyn Bonnin FDA
- 2005 Wayne Ziemer USDA

Fellows of AOAC INTERNATIONAL

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

Fellows from the Southern Section of AOAC INTERNATIONAL:

1990 Ken Boyer

1992 Gayle Lancette

1997 George Latimer

1997 Anant Jain

2000 Argentina Vindiola

2001 Doug Hite

SOUTHERN SECTION OF AOAC
Evening Reception

Monday the 24th at Savannah's Restaurant (5:00 – 7:00 PM)

String Ensemble

Cold Hors D'oeuvres

Jumbo Shrimp
Smoked Salmon

Hot Hors D'oeuvres

Miniature Quiche
Beef & Mushroom Brochettes
Oriental Spring Rolls
Spanakopita
Black Bean & Cheese Quesadillas
Buffalo Wings

Displays

Vegetable
Fruit
Cheese

Beverages

Wine
Beer
Soft Drinks

2006 Southern Section AOAC Speakers

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Exhibitors

Peachtree Ballroom

*Exhibit area is open Monday from 9:00 am – 4:00 pm and
on Tuesday from 9:00 - 2:00 PM*

A2LA
APPLIED BIOSYSTEMS
ABRAXIS LLC
AGILENT TECHNOLOGIES INC
BIO CONTROL SYSTEM INC.
BIOMERIEUX
BIO RAD
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CEM CORPORATION
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ELEMENTAR AMERICAS
ELISA TECHNOLOGIES
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LEAP TECHNOLOGIES
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METTLER TOLEDO
MILLIPORE CORPORATION
NEOGEN CORPORATION
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ROBOT COUPE
SAFETY STORAGE INC/OLLIE MEYER
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VARIAN CORPORATION
VWR INTERNATIONAL
WATERS CORPORATION

*†The Southern Section appreciates the continuing support from these exhibitors as
sponsors of our “Evening Reception”*

**We would like to thank LECO for sponsoring a break.*