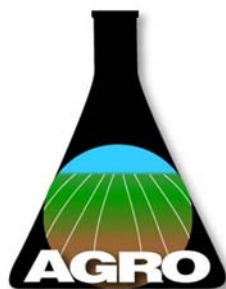


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AGRO's eNewsletter



*Chemistry for and
from Agriculture*

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AGRO at Philly *Kevin Armbrust*

After taking a hiatus from New Orleans, our division programmed in the city of brotherly love in Philadelphia, PA at the 236th National Meeting and Exposition of the American Chemical Society. The AGRO program featured 230 papers presented in 13 symposia across 27 half-day sessions.

Cutting edge research presentations on burning topics were presented in symposia on agrochemical residue and metabolism chemistry; effects of agriculturally-related chemicals on the environment, animal and human health; the challenges, concerns and consequences of bioenergy production; environmental forensics, the environmental chemistry, toxicology and compatibility of reduced risk pesticides; and new developments and issues with agrochemicals. The poster session

held on Monday morning was well attended and combined the presentations of the graduate student travel awardees with the general posters. A special symposium of local interest was conducted on Agricultural Best Management Practices to Protect the Chesapeake Bay and we revitalized our symposia on the synthesis and chemistry of Agrochemicals. The International Award for Research in Agrochemicals Symposium was held in honor of Dr. David M. Soderlund. Dr. Fergus M. Clydesdale received the Sterling Hendricks Memorial Lectureship.

At the AGRO social on Tuesday evening, Dr. Soderlund was again recognized for his achievements and awards were presented to Dr. Ashli Brown, the first recipient of the AGRO New Investigator Award and to the winners of the Graduate



Aerial Skyline of Philadelphia at Night

Courtesy of R. Nowitz (GPTMC)

student awards. Additional awards were presented for the best student and non-student poster. The Blues and Brews Brainstorming session on Wednesday evening is becoming an extremely popular event, generating great ideas for Washington DC in August of 2009 and San Francisco in March of 2010.

AGRO at SETAC *Kevin Armbrust*

In November 2008, AGRO programmed a our first non-ACS venue symposium at the annual meeting of the Society of Environmental Toxicology and Chemistry (SETAC) in Tampa, Florida entitled "Modern Pesticides in Urban Environments: Risk Assessment and Management".

The symposium began with the presentation of an award of recognition to Dr. John Johnston for his service as chair of the division. Following this presentation a cross-section of scientists from industry, academia and federal agencies presented results of the latest research developments in the areas of comparative toxicity assessment to estuarine biota, non-target species risk assessment, toxicity identifica-

tion evaluation approaches, turf chemical runoff, pesticide fate on concrete, pyrethroid pesticide runoff, and pesticide occurrence in aquatic environments in urban settings, fumigant use, and management strategies to reduce pesticide exposure.

Featuring appropriate beverages, a 90 minute "beer-barrel" social discussion session immediately followed the presentations providing the audience an opportunity to ask questions and interact with the speakers and to summarize the symposium.

This symposium was heavily promoted and supported by the SETAC leadership. In June, Dr. John Clark

volunteered to represent AGRO in the abstract review and symposium organization process in Pensacola, Florida where this was designated as a "Special Symposia" and AGRO was given a prime Tuesday slot in the program. Drs. Stuart Cohen and Pam Rice were the principal organizers of the symposium with assistance from Dr. Laura McConnell and other AGRO members. At the closing ceremony on Thursday afternoon SETAC leadership lauded the presence of AGRO, the quality and impact of the science presented and stated their desire to reciprocate at a future ACS meeting. They also expressed the hope that this would be an on-going event that would solidify ties between the two organizations.

238th ACS National Meeting & Exposition



Washington DC Convention Center
August 16—20, 2009

AGRO DIVISION

Special Events and Opportunities



Special Symposia

Agricultural Research in Australia – Critical Issues Leading up to the 12th IUPAC International Congress on Pesticide Chemistry in Melbourne

Organizers: Ronald Hill, CSIRO, ron.hill@csiro.au; Laura McConnell, USDA-ARS, 301-504-6298, laura.mcconnell@ars.usda.gov; Ken Racke, Dow AgroSciences, 317-337-4654, kracke@dow.com

Lawrence A. Burns Memorial Symposium on Advances in Environmental Modeling of Pesticides

Organizers: Tharacad Ramanarayanan, Bayer CropScience, 913-433-5489, Tharacad.Ramanarayanan@bayercropscience.com, Ronald Parker, USEPA-Office of Pesticide Programs, 703-305-5505, Parker.Ronald@epa.gov

Special Event

Research Poster Competition!

The top three AGRO posters will be awarded Amazon.com gift certificates; all posters not in the student competition are eligible; at least one author must be present

Award Symposia

ACS International Award for Research in Agrochemicals Symposium for R. Donald Wauchope

Organizer: Allan Felsot, Washington State University, 509-372-7365, afelsot@tricity.wsu.edu

Sterling B. Hendricks Memorial Lectureship

Organizer: Jim Seiber, USDA-ARS, 510-559-5600, james.seiber@ars.usda.gov

AGRO New Investigator Award

Organizer: Allan Felsot, Washington State University, 509-372-7365, afelsot@tricity.wsu.edu

AGRO Education Awards for Undergraduate and Graduate Student Travel: Research Poster Presentations

Organizer: John Johnston, USDA-FSIS, 970-492-7188, John.Johnston@fsis.usda.gov

CALL FOR NOMINATIONS

AGRO NEW INVESTIGATOR AWARD

Sponsored by  Dow AgroSciences

The AGRO Division seeks nominations for the New Investigator Award to be awarded at the ACS meeting in Washington, DC in August 2009. The purpose of the New Investigator Award is to recognize new scientists who are actively conducting academic, industrial, consulting, or regulatory studies. **To be eligible for the award**, a scientist must have obtained his or her doctorate no more than five years before the year of the Fall ACS national meetings (i.e., **no earlier than the year 2004**). The award winner will be expected to deliver an oral presentation in one of the AGRO Program sessions. The awardee will receive an honorarium, a commemorative plaque, one-year complementary membership in the AGRO Division, a meeting registration fee waiver, and reimbursement for travel expenses in association with the DC meeting, all not to exceed \$2000. To apply:

1. Submit a 150-word abstract formatted according to the directions given on the ACS website (<http://oasys.acs.org/>). Be sure to include name (of applicant), address, and e-mail address
2. Submit a maximum five-page paper describing the area of research or other work relevant to the broad mission of the AGRO Division. The paper may be structured as a research paper (contains main elements of a typical journal article) or as a critical review of one's particular contributions to the scientific fields covered by the AGRO Division.
3. Submit at least one letter of recommendation from a current supervisory scientist (e.g., a business manager, a departmental chair, etc.)

Submit paper and letter of recommendation to Dr. Allan Felsot
afelsot@tricity.wsu.edu **no later than February 20, 2009**

SUPPORT FOR UNDERGRADUATE & GRADUATE STUDENT RESEARCH POSTER PRESENTATIONS

Sponsored by  Bayer CropScience

A limited number of undergraduate and graduate students will be awarded up to \$600 each to help defray costs of attendance to give poster presentations at the ACS 2009 Fall Meeting in Washington, DC. Posters will be displayed in a special poster session of the AGRO Division. First, Second, and Third place winners will receive an additional cash award. The subject of the presentation should pertain to agricultural chemistry such as those described in the New Investigator Award.

To apply, a graduate student should submit the following no later than March 16, 2009

1. A 150-word abstract formatted according to the directions given on the ACS website. Be sure to include name (of applicant), address, and e-mail address
2. A two page extended abstract giving more detail of the research/presentation
3. A short letter of nomination from the faculty advisor

Submit items 1 & 2 at the ACS OASYS website
<http://oasys.acs.org/>

Submit item 3 to Dr. John Johnston
john.johnston@fsis.usda.gov

238th ACS National Meeting & Exposition

Washington DC Convention Center

August 16—20, 2009

AGRO DIVISION

Call for Papers



Advancements in Geospatial Risk Assessment and Techniques

Organizer: Gerco Hoogeweg, Waterborne Environmental, Inc., 703-777-0005, hoogewegg@waterborne-env.com

Advances in Biofuels and Bioproducts: Life Cycle Analysis and Sustainability

Organizers: Cathleen Hapeman, USDA-ARS, 301-504-6451, cathleen.hapeman@ars.usda.gov; Joe Massey, Mississippi State University, 662-325-4725, jmassey@pss.msstate.edu; Jim Seiber, USDA-ARS, 510-559-5600, james.seiber@ars.usda.gov; Liliana Schwartz, DuPont Crop Protection, 302-999-4078, liliana.schwartz@usa.dupont.com; Terry Spittler, Cornell, 315-787-2283, tds2@cornell.edu

Agrochemical Residue and Metabolism Chemistry

Organizers: Teresa A. Wehner, Merial Ltd; John J. Johnston, USDA-FSIS, 970-492-7188, John.Johnston@fsis.usda.gov; David Smith, USDA-ARS, 701-239-1238, david.j.smith@ars.usda.gov

Application of Natural Products in Organic Farming

Organizer: Kamal Chauhan, USDA-ARS, 301-504-5166, kamal.chauhan@ars.usda.gov; Stephen O. Duke, USDA-ARS, 662-915-1036; sduke@olemiss.edu

Biotechnology Risk Assessment: Minding & Managing the Threats Around Us

Organizer: Steven Ripp, 865-974-8080, saripp@utk.edu

Bound Residues and Their Potential Impacts

Suresh Mislankar, Bayer CropScience, 913-433-5491, Suresh.mislankar@bayercropscience.com

Catfish Aquaculture: Producing a Safe, Delicious & Nutritious Food for Consumers

Organizers: John J. Johnston, USDA-FSIS, 970-492-7188, John.Johnston@fsis.usda.gov; Kevin Armbrust, State Chemist, State of Mississippi, 662-325-3324, armbrust@mscl.msstate.edu

Challenges and Initiatives in Harmonizing Maximum Residue Levels (MRLs) across the World

Organizers: Jason Sandahl, USDA-FAS, 202-720-0126, Jason.Sandahl@fas.usda.gov; Chris Peterson, USDA-USFS, 662-325-0199, cjpeterson@fs.fed.us; Ken Racke, 317-337-4654, kracke@dow.com; Julie Callahan, ACS, 202-872-4449, j_callahan@acs.org

Exposure to Chemicals in Urban Aquatic Environments

Organizers: Scott Jackson, BASF Corporation, 919-547-2349, scott.jackson@basf.com, Paul Hendley, Syngenta, 336-632-6112, paul.hendley@syngenta.com; Joe Massey, Mississippi State University, 662-325-4725, jmassey@pss.msstate.edu

Government Collaborative Studies: Research and Regulations

Organizer: Jeanette M. Van Emon, USEPA-NERL, 702-798-2154, vanemon.jeanette@epa.gov

Insect Management in Medical, Veterinary, and Urban Settings

Organizers: Daniel Strickman, USDA-ARS, 301-504-5771, daniel.strickman@ars.usda.gov; Stanton Cope, Armed Forces Pest Management Board; ODUSD (I&E), 301-295-8306, stanton.cope@osd.mil; Stephen O. Duke, USDA-ARS, 662-915-1036, sduke@olemiss.edu

Managing Agricultural Gas and Particle Emissions

Organizers: Laura McConnell, USDA-ARS, 301-504-6298, laura.mcconnell@ars.usda.gov; Cathleen Hapeman, USDA-ARS, 301-504-6451, cathleen.hapeman@ars.usda.gov; Steven Trabue, USDA-ARS, 515-294-0201, steven.trabue@ars.usda.gov; Scott Yates, USDA-ARS, 951-369-4803, scott.yates@ars.usda.gov; Amrith Gunasekara, California Department of Food and Agriculture, 916-445-0444, agunasekara@cdfa.ca.gov

Monitoring and Modeling Atrazine Ecological Exposure Potential

Organizer: Paul Hendley, Syngenta, 336-632-6112, paul.hendley@syngenta.com

New Developments and Issues in Agrochemical Sciences (General Presentations and Posters)

Organizer: Ellen Arthur, Bayer CropScience, 913-433-5328, ellen.arthur@bayercropscience.com

Non-dietary Human Exposure and Risk Assessment

Organizers: Mike Krolski, Bayer CropScience, 913-433-5317; mike.krolski@bayercropscience.com; Curt Lunchick, Bayer CropScience, 919-549-2986, curt.lunchick@bayercropscience.com

Organic Phosphate Transport, Fate, and Impact on the Chesapeake Bay

Organizers: Walter Schmidt, USDA-ARS, 301-504-6765, walter.schmidt@ars.usda.gov; Lynne Heighton, University of Maryland, heighton@umd.edu

Recent Developments in Invertebrate and Vertebrate Repellents

Organizers: Gretchen Paluch, Iowa State University; 515-294-9823 gre@iastate.edu; Joel Coats, Iowa State University; 515-294-9823, jcoats@iastate.edu; John J. Johnston, USDA-FSIS, 970-492-7188, John.Johnston@fsis.usda.gov

Soil Bound Residues and Relevance to Environmental Exposure

Organizers: Suresh Mislankar, Bayer CropScience, 913-433-5491; suresh.mislankar@bayercropscience.com; Kalumbu Malekani, DuPont Crop Protection, 302-451-3597; kalumbu.malekani@usa.dupont.com

Solvents in Aquatic Toxicology Testing

John Green, DuPont Crop Protection, Newark, DE, Phone: 302-366-5310, john.w.green@usa.dupont.com



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Meetings

2nd Latin American Pesticide Residue Workshop. Food and Environment, June 8-11, 2009, Santa Fe, Argentina

46th Florida Pesticide Residue Workshop, July 19-22, 2009, St. Pete Beach, Florida

238th ACS National Meeting & Exposition, August 16-20, 2009, Washington, DC

3rd International Workshop on Crop Protection Chemistry in Latin America: Environment, Safety, and Regulation, November 9-12, 2009, Rio de Janeiro, Brazil

30th SETAC North America Meeting, November 19-23, 2009, New Orleans, LA

239th ACS National Meeting & Exposition, March 21-25, 2010, San Francisco, CA

12th IUPAC International Congress of Pesticide Chemistry, July 4-8, 2010, Melbourne, Australia

240th ACS National Meeting & Exposition, August 22-26, 2010, Boston, MA

AGRO at Pan Pacific



4th Pan Pacific Conference on Pesticide Science
June 1-5, 2008
Waikiki, Honolulu

The 4th Pan Pacific Conference, co-sponsored by AGRO and the Pesticide Science Society of Japan, continued a history of successful collaboration with 236 participants attending 15 sessions of presentations and posters on issues affecting discovery, development and use of pesticides. Workshops on Rodenticide Anticoagulants, Ecological Risk Assessment and Neonicotinoid Resistance (sponsored by Cotton Inc) complemented the conference program.

The well-attended workshops demonstrated a high level of interest in research of immediate relevance to pest management in the Pacific region. Discovery of new products included presentations on ryanodine receptor and spinosyn insecticides, pyroxasulfone herbicide, and oryzastrubin fungicide with an emphasis on optimization methods.

Presentations on human vector control demonstrated success in controlling mosquitos and managing resistance in arthropods. Aquatic fate and effects were principal topics in the area of environmental chemistry and toxicology, while new models and screening methods for metabolism were presented.

Global trade issues focused on government regulation of residues, food safety standards and residue monitoring. The critical role of governments in evaluating and authorizing pesticide use was explored in several sessions with continued emphasis on harmonization of residue standards, guidelines and developments in regulation. Developments in multiresidue

methods and method transfer demonstrated advances in analytical methods for environmental and food monitoring.

AGRO and PSSJ are grateful to the generous sponsors whose financial support was critical to the success of the conference. (<http://acswebcontent.acs.org/meetings/panpacific2008/sponsors.html>)

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