



**CENTRAL STATES
REGIONAL CHAPTER OF
THE SOCIETY OF
TOXICOLOGY**

ANNUAL FALL MEETING

SEPTEMBER 22-23, 2011

**HAROLD M. AND BEVERLY MAURER
CENTER FOR PUBLIC HEALTH**

**UNIVERSITY OF NEBRASKA MEDICAL
CENTER**

OMAHA, NEBRASKA



CENTRAL STATES SOCIETY OF TOXICOLOGY ANNUAL MEETING

September 22-23, 2011

Harold M. and Beverly Mauer Center for Public Health

University of Nebraska Medical Center

Omaha, NE

Thursday, September 22, 2011

6:00-9:00 PM

Dinner

Supported by a donation from ConAgra Foods, Inc.

Location: Truhlsen Campus Events Center

Michael F. Sorrell Center for Health Science Education

42nd and Dewey Avenue

Friday, September 23, 2011

8:00-9:00 AM

Registration

Continental breakfast

Poster set-up

Officers Business Meeting

Location: Mauer Center for Public Health, 3rd floor

9:00-9:05

Introduction by Lora Arnold

9:05-9:15

Welcome by the Dean of the College of Public Health

Dr. Ayman El-Mohandes

9:15-9:50

Dr. James Bus

Dow Chemical Company

Past president, SOT 1996-97

Title: The OECD Extended One-Generation Test Protocol: Evaluation of Reproductive, Endocrine, and Developmental Neuro- and Immunotoxicity of 2,4-D

9:50-10:00

Discussion

10:00-10:35

Dr. Alan Kolok

University of Nebraska, Omaha

Title: The Fast and the Furious: Environmental Change and What We Can Do About It

10:35-10:45

Discussion

10:45-11:00

Break

11:00-11:35

Dr. Stephen Taylor

University of Nebraska, Lincoln

Title: Peanut Allergies, Peanut Thresholds and Use of Risk Assessment Approaches for Food Allergies

11:35-11:45	Discussion
11:45-1:30	Lunch Location: Truhlsen Campus Events Center Poster presentations Location: Mauer Center for Public Health, 3 rd floor
1:30-2:05	Dr. Jon Cook Pfizer Inc. President, SOT 2011-2012 Title: Non-genotoxic Mechanisms of Hemangiosarcoma Formation in Mice
2:05-2:15	Discussion
2:15-3:00	3 postdoc presentations (10 min ea w/ 5 min discussion)
3:00-3:15	Break
3:15-4:00	3 graduate student presentations (10 min ea w/ 5 min discussion)
4:00-4:10	John Doull Award presentation
4:10-4:45	John Doull Award Lecture
4:45-5:00	Student and Post Doc awards
5:00	Meeting adjourned

The 2012 Central States Society of Toxicology Meeting will be held in Manhattan, KS

Speakers

James S. Bus is Director of External Technology, Toxicology and Environmental Research and Consulting at The Dow Chemical Company (1989-present). He previously held positions as Associate Director of Toxicology and Director of Drug Metabolism at The Upjohn Company (1986-1989), Senior Scientist at the Chemical Industry Institute of Toxicology (CIIT, 1977-1986), and Assistant Professor of Toxicology, University of Cincinnati (1975-1977). Dr. Bus currently serves on the Board of Directors of The Hamner Institutes (formerly CIIT). He has also served as Chair of the American Chemistry Council and International Council of Chemical Associations Long-Range Research Initiatives; the USEPA Office of Research and Development Board of Scientific Counselors (1997-2003) and Chartered Science Advisory Board (2003-2009); the National Toxicology Program Board of Scientific Counselors (1997-2000); the FDA National Center for Toxicological Research Science Advisory Board (2004-2010); and the National Academy of Sciences/National Research Council Board on Environmental Studies and Toxicology (BEST; 2005-2011). He serves as an Associate Editor of Toxicology and Applied Pharmacology, and on the Editorial Boards of Environmental Health Perspectives and Dose Response. Dr. Bus is a member of the Society of Toxicology (serving as President in 1996-97), the American Society for Pharmacology and Experimental Therapeutics, the American Conference of Governmental and Industrial Hygienists, and the Teratology Society. He is a Diplomate and Past-President of the American Board of Toxicology and a Fellow of the Academy of Toxicological Sciences (member of Board of Directors, 2008-present; Vice-President and President, 2010-2011). Dr. Bus received the Society of Toxicology Achievement Award (1987) for outstanding contributions to the science of toxicology; the Society of Toxicology Founders Award (2010) for leadership fostering the role of toxicology in improving safety decisions; Rutgers University Robert A. Scala Award (1999) for exceptional work as a toxicologist in an industry laboratory; and the K.E. Moore Outstanding Alumnus Award (Michigan State University, Dept. Pharmacol. And Toxicol.). He received his B.S. in Medicinal Chemistry from the University of Michigan (1971) and Ph.D in pharmacology from Michigan State University (1975) and currently is an Adjunct Professor in the Dept. of Pharmacology and Toxicology at that institution. His research interests include mechanisms of oxidant toxicity, defense mechanisms to chemical toxicity, relationships of pharmacokinetics to expression of chemical toxicity, and general pesticide and industrial chemical toxicology. He has authored/co-authored over 100 publications, books, and scientific reviews.

Jon C. Cook is Senior Director of Investigative Toxicology at Pfizer Inc. (1998-present). Previously he was a Senior Research Toxicologist at DuPont-Haskell Laboratory (1987-1998) and a Postdoctoral Fellow at CIIT (1985-1987). He is currently Co-chair of the ILSI-HESI PPAR Project Committee (2005-present). Dr. Cook received his B.S. in Physiology from the University of California, Davis, and his M.S. and Ph.D. degrees in Toxicology from North Carolina State University. Dr. Cook is currently serving as President of the Society of Toxicology and has previously served as Councilor (2002-2004). He is a Diplomate of the American Board of Toxicology and a Fellow of the Academy of Toxicological Sciences. He has served on the Society of Toxicology's Endowment Board (2007-2010), Services Strategy Committee (2006-2007), and Continuing Education Committee (member, 1991-1996; Chair, 1993-1994). He has served as the Vice-President-elect/Vice-President/President/Past-President of the SOT Carcinogenesis Specialty Section (2001-2005), Co-Editor of the Mid-Atlantic SOT Newsletter (1989-1993), SOT Council Liaison to Continuing Education Committee and Contemporary Concepts in Toxicology (CCT) Committee (2002-2004),

SOT-SETAC Steering Committee for “Emerging Molecular and Computational Approaches for Cross-species Extrapolation” (2004-2005), and CCT Co-Chairperson of “Hemangiosarcoma In Rodents: Mode-Of-Action Evaluation And Human Relevance” (2008). Society memberships include SOT North Carolina Regional Chapter (1980-1987), Mid-Atlantic Regional Chapter (1987-1998), Northeast Regional Chapter (2007-present), Carcinogenesis Specialty Section, (1988-present), Mechanisms Specialty Section (1982-present), Reproductive and Developmental Specialty Section (1996-present), Drug Discovery Toxicology Specialty Section (2006-present). He served on the Editorial Boards of the Journal of Toxicology and Environmental Health (1988-1994), Fundamental & Applied Toxicology (1995-1998) and Toxicological Sciences (1998-2002). Dr. Cook received the Rutgers University Robert A. Scala Award in Toxicology in 1998. Dr. Cook current research is focused on the mechanisms of hemangiosarcoma formation. He has authored or co-authored over 90 publications, books, and industry reports.

Alan Kolok is a Professor in the Department of Biology at the University of Nebraska at Omaha with a joint appointment in the Department of Environmental, Agricultural, and Occupational Health in the College of Public Health at the University of Nebraska Medical Center. Dr. Kolok is the Director of the Aquatic Toxicology Laboratory at UNO and Interim Co-Director of the Center for Environmental Health and Toxicology at the College of Public Health at UNMC. Dr. Kolok was previously an Assistant Professor at Nicholls State University. Dr. Kolok received his B.S. in Zoology at Miami University, his M.S. in Fisheries and Aquatic Science from the University of Washington, and his Ph.D. in Environmental, Population and Organismic Biology at the University of Colorado. Dr. Kolok also received post doctoral training in Comparative Physiology at Simon Fraser University and in Aquatic Toxicology at Miami University. In 2010, Dr. Kolok received the Excellence in Research Award from the College of Arts and Sciences at UNO and the Outstanding Teaching and Instruction Activity Award from the University of Nebraska System. He also received the Research Innovation Award from UNeMed at the University of Nebraska Medical Center in 2008. He is a member of the Society of Environmental Toxicology and Chemistry, Society of Integrative and Comparative Biology and the American Fisheries Society. Dr. Kolok’s research focuses on the cascade from land use, to contaminants in local waterways, to the biological impact those contaminants have on local animal and human populations. He has extensive (> 14 years) experience using fish as experimental sentinel organisms, in a wide variety of environments. He also has considerable experience developing site-specific bio-assessment tools from molecular and systems approaches. Much of his research over the last five years has focused on the physiological and genetic responses of fathead minnows to environmental insult, with specific emphasis on the differential gene expression profiles. Recent research has also focused on community engagement, and bringing hands-on science to Citizen Scientists for both personal empowerment and also as a tool for first-tier environmental screening. He has authored or co-authored over 50 publications and reviews.

Steve L. Taylor currently serves as Professor in the Dept. of Food Science & Technology and Director of the Food Allergy Research & Resource Program at the University of Nebraska. Dr. Taylor maintains an active research program in the area of food allergies. Dr. Taylor received his B.S. and M.S. degrees in food science and technology from Oregon State University and his Ph.D. in biochemistry from the University of California - Davis. He received additional training in environmental toxicology and nutrition through postdoctoral training programs at the University of California - Davis. Before coming to the University of Nebraska in 1987 to assume his present

position, Dr. Taylor served for 3 years as Chief of the Food Toxicology Laboratory at Letterman Army Institute of Research in San Francisco and 9 years as a faculty member with the Food Research Institute at the University of Wisconsin. Dr. Taylor's primary research interests involve the development of methods for the detection of residues of allergenic foods, the determination of the minimal eliciting doses for specific allergenic foods, the assessment of the allergenicity of ingredients derived from allergenic sources, and the assessment of the allergenicity of foods produced through agricultural biotechnology. He has published research on peanut, soybean, Brazil nut, almond, fish, egg, and cows' milk allergies among a total of over 300 publications. Dr. Taylor is involved in a variety of other professional activities including serving as a member of the Adverse Reactions to Foods Committee of the American Academy of Allergy, Asthma, & Immunology, as a member of the Medical Advisory Board of the Food Allergy & Anaphylaxis Network, and as a scientific advisor to the Celiac Sprue Association.

REGISTRATION:

The registration fee is \$20 for students and post docs, \$50 for all others. Full members, who have paid their \$20 membership fee, will receive a \$10 discount (CS-SOT membership fee for 2011 may be paid together with the registration). Meals will be provided as part of the registration for attendees. Please indicate if you will attend the dinner.

Registration deadline: Friday, September 2, 2011

Make checks payable to CS-SOT and mail to:

Dr. Hans-Joachim Lehmler

The University of Iowa
Dept Occupational & Environmental Health
100 Oakdale Campus, 221 IREH
Iowa City, IA 52242-5000
Telephone: 319-335-4211

Payment can also be made via credit card. Please provide information to **Dr. Hans-Joachim Lehmler**

hans-joachim-lehmler@uiowa.edu

Telephone: 319-335-4211

ABSTRACT SUBMISSION:

Please submit your abstract to **Lora Arnold** by e-mail

llarnold@unmc.edu

Submission Deadline: August 26, 2011

Please include the following information:

Your status: student, post-doctoral fellow, or other.

Your willingness to give a 10 minute oral presentation in addition to the poster

Poster format is the default style of presentation. Three students and 3 post-docs will be invited from those who indicate their interest to also present their work in a 10 minute oral presentation.

Please include a title, authors, and affiliation in your abstract. The body of the abstract should have no more than 250 words. Please use font 11, Times New Roman and save the file as a WORD doc.

Call for nominations for John Doull Award

The John Doull award is presented each year by the Central States Chapter of the Society of Toxicology (CS-SOT) to honor the contributions of its members to the discipline of toxicology and to the chapter.

Please send your nominations to **Lora Arnold** by email

llarnold@unmc.edu

Please include the following information:

Letter of nomination, curriculum vitae

Nomination Deadline: August 22, 2011

CENTRAL STATES SOCIETY OF TOXICOLOGY MEETING
September 22-23, 2011
University of Nebraska Medical Center,
Omaha, NE

REGISTRATION FORM

Name _____ Specialty/Degree(s) _____

Employer _____

Address _____

City _____ State _____ Zip Code _____

Telephone _____ Fax _____

E-mail (required for registration confirmation) _____

Employer Type: Business/Industry Federal Gov't State Gov't Local Gov't Foreign Country
 Academic Other

Student or Post Doc

I will attend dinner

The registration fee is \$20 for students and post docs, \$50 for all others. Full members, who have paid their \$20 membership fee, will receive a \$10 discount (CS-SOT membership fee for 2011 may be paid together with the registration). Meals will be provided as part of the registration for attendees. Please indicate if you will attend the dinner.

Pre-registration is requested. **Registration deadline: September 2, 2011**

Payment Type: Money Order _____ Check _____ Credit Card _____

CREDIT CARD: Check one: American Express Diners Club MasterCard Visa

Charge Amount: \$ _____ Account #: _____ Expiration Date: _____

Signature: _____

Make checks payable to CS-SOT, complete registration form and mail to:

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