


[General Public](#)
[Press](#)
[Kids](#)
[Teachers](#)
[Policymakers](#)
[Members / Scientists](#)

Login: Email address

Password


[Forgot your Password?](#)
[Print Full Issue](#)


ONLINE

[About SOT](#)
[Manage Membership](#)
[Join SOT](#)
[People & Groups](#)
[Contribute](#)
[News](#)
[Publications](#)
[Services & Resources](#)
[Events & Meetings](#)


Communiqué

Special Issue 2006

News in This Issue

President's Message

I'm excited to report that SOT Council has completed the first critical stage towards aligning the activities and resources of the Society to most effectively accomplish the SOT Long-Range Plan. In my most recent message, I announced the formation of two key strategic committees charged to advise SOT Council of the most effective strategies by which the Society can accomplish its goals of advancing the science and communicating the essence of toxicology in enhancing human, animal, and environmental health. At the January Council meeting, a third strategic committee was established to address the final strategic goal within the Long-Range Plan of providing essential resources and services to foster the scientific and professional development of our members. Committee members include **Patti Ganey** (chair; Michigan State University), **Ernie Harpur** (sanofi-aventis), **Serrine Lau** (University of Arizona), **Jim Luyendyk** (Scripps Research Institute), **Jose Manautou** (University of Connecticut), and **Mike McClain** (McClain Associates).

As a member-driven Society, we are committed to returning to our constituency the greatest value for their membership, both in terms of career resource tools and professional development. Examples include opportunities for continued education, career placement services, and broad and robust networking opportunities to mention a few. We are fortunate to have members within our ranks willing and enthusiastic to give of their time and creative energies to ensure that the Society is leveraging its resources to best serve its members at all stages of their careers and according to a carefully designed and clearly articulated strategic plan.

Over the years, the SOT has enjoyed exceptional success with its meetings, publications, and its member service and outreach activities. Unfortunately, we cannot claim that all of this success has been by design and the result of a carefully considered and overarching strategic plan. Accordingly, opportunities exist to improve the efficiency of the operations of SOT and it is appropriate to review the various activities of the Society within the context of the vision and mission of the Society. The ultimate aim of establishing these strategic committees is to advise Council in developing an implementation plan that ensures a systematic expenditure of energies and resources of the Society and that is most closely aligned with a carefully considered strategy for accomplishing the Long-Range Plan. Council seeks broad perspective in these deliberations and encourages members of our Society to contact any member of Council or the respective strategic committee to share your suggestions, concerns, or insights as we work collectively to develop a framework for most effectively accomplishing the strategic goals of the Society, as articulated in the [SOT Long-Range Plan](#).

Sincerely,

Kendall B. Wallace, Ph.D., D.A.B.T.
2005–2006 SOT President

[Visit the 2015 Annual Meeting Website](#)
[Mark Your Calendar for SOT 2016:
March 13–17
New Orleans, Louisiana](#)

2006–2007 Councilor and Committee Members Elected

The results of the Society of Toxicology 2006–2007 election are as follows:

Vice President-elect:

Kenneth S. Ramos

Treasurer-elect:

William Slikker

Councilors:

Scott W. Burchiel and

Elaine V. Knight

Awards Committee:

Melvin E. Andersen,

Carole A. Kimmel, and

Kenneth Olden

Education Committee:

Steven G. Gilbert and

Johnnye L. Lewis

Membership Committee:

Russell Carr and

Ruth A. Roberts

Nominating Committee:

Mary Beth Genter

(from Regional Chapters)

Lori A. Dostal

(from Specialty Sections)

Meryl H. Karol

(from Past Presidents)

Carol J. Henry

(from Member-At-Large)

SOT congratulates the new Council and elected committee members.

2006 SOT Award Winners

Achievement Award

Jose E. Manautou

Arnold J. Lehman Award

Kathryn Mahaffey

AstraZeneca Traveling Lectureship Award

Robert A. Roth

Board of Publications Best Paper Award

A Toxicogenomic Approach to Drug-Induced Phospholipidosis: Analysis of its Induction Mechanism and Establishment of a Novel In Vitro Screening System (ToxSci, 2005; 83: 282-292), Sawada et al.

Contributions to Public Awareness of the Importance of Animals in Toxicology

Research Award

Jayne Mackta

Distinguished Lifetime Toxicology Scholar Award

Sten G. Orrenius

Education Award

Robert Schatz

Enhancement of Animal Welfare Award

William S. Stokes

Merit Award

A. Wallace Hayes[2006 award winner citations](#)

Animal Rights Terrorism

*Submitted by the Animals in Research Committee***Reasons for Concern**

Murder is a "morally justifiable solution" to stop the use of animals in research, according to **Dr. Jerry Vlasak**, spokesman for the North American Animal Liberation Press Office. These sentiments were expressed during a [hearing of the Senate Committee on the Environment and Public Works \(EPWC\) October 26, 2005](#). The Committee convened to consider the [issue of eco-terrorism](#) (extremism in the animal rights and environmentalist movements) and specifically examined the activities of the Stop Huntingdon Animal Cruelty (SHAC) group. In addition to SHAC, eco-terrorist groups of greatest concern to law enforcement agencies are the Animal Liberation Front (ALF) and the Earth Liberation Front (ELF). Dr. Vlasak's comment was a reaffirmation of his previous statements made at the Animal Rights National Conference on August 3, 2003: "I think for five lives, ten lives, 15 human lives, we could save a million, two million, 10 million non-human lives."

An extended history of animal rights extremist activity has been directed against Huntingdon Life Sciences (HLS), including threats to companies that do business with HLS and their employees. The numerous historical examples are illustrated by two recent events.

In August 2005, an intensely focused six-year campaign by animal rights activists against the [Darley Oaks farm in Newchurch, Staffordshire](#), forced the family-owned business to stop breeding and supplying guinea pigs for research. The company was a supplier for HLS. Intimidation tactics against the family and employees, which numbered over 450 incidents in the period from 2003 to 2004 alone, included raids, vandalism, delivery of letter bombs and death threats, and the desecration of a family grave (the body of a family member was dug up and removed). On September 7, 2005, the [New York Stock Exchange \(NYSE\) listing of Life Sciences Research](#) (the US parent firm of HLS) was abruptly pulled minutes before trading was due to start. At the October 26th EPWC hearing noted above, general counsel from both Life Sciences Research and the NYSE were questioned about this decision. Although the NYSE representative indicated that the reasons behind the decision were confidential, Life Sciences Research general counsel was convinced that concerns regarding a planned SHAC campaign, discussed with NYSE officials on the day of the scheduled listing, were instrumental in NYSE's decision. Life Sciences Research shares on the NASDAQ bulletin board have been negatively affected since the [postponement](#).

These examples underscore the personal and financial toll that activities of animal rights extremists can take on individuals and businesses. Although actions against HLS are highlighted here, as scientists in government, university, and private biomedical laboratories and businesses, individual members of SOT and our associated organizations can become equally targeted.

Proposed Legislation

The recently introduced Senate and House bills addressing animal rights terrorism, drafted with assistance from counter-terror experts at the Department of Justice and the Federal Bureau of Investigation, are a welcome and necessary response to these groups.

Both bills strengthen the Animal Enterprise Protection Act, 18 USC § 43. The Animal Enterprise Terrorism Act (S. 1926) is legislation introduced by **Senator James Inhofe** (R-OK), Chairman of the EPWC. In addition to tightening the current law for law enforcement authorities to better investigate, prosecute, and prevent eco-terrorism activities, the bill specifically addresses the targeting of individuals or organizations with peripheral ties to animal enterprises. Similar legislation was introduced in the House by **Senator Thomas Petri** (R-WI) on November 4, 2005. The National Association of Biomedical Research (NABR) is working closely with Members of Congress and their staffs on this legislation. These legislative acts are of considerable importance to our community and deserve our attention and support. Expect to see messages from SOT this Spring encouraging specific actions in support of this legislation.

OMB Bulletin Proposes New Guidelines for Risk Assessment—Comments Due June 15, 2006

The Office of Management and Budget (OMB), in consultation with the Office of Science and Technology Policy (OSTP), has proposed issuing new technical guidance on risk assessments produced by the federal government. The stated purpose of the "[Proposed Risk Assessment Bulletin](#)" is "to provide clear minimum standards for the scientific quality and presentation of federal risk assessments." Comments are due to OMB's Office of Information and Regulatory Affairs on or before June 15, 2006.

Annual Meeting Information

SOT is Forty-Five this Year

Submitted by Ernest Hodgson, SOT Historian



Top Row: **Paul Larson; C. Boyd Shaffer; Victor Drill; Fred Coulston.** Bottom Row: **Harry Hays; Harold Hodge; Arnold Lehman; William Deichman. Not Present: Ken DuBois.**

Forty-fifth anniversaries are not, in the normal course of events, considered remarkable, at least not in same way as 25-, 50- or 100-year anniversaries. However, we may mark it with some brief recognition if for no other reason than to get us all into the appropriate frame of mind to plan and enjoy the big one in 2011.

As we all know, either from hearing or presenting the first lecture in General Toxicology, given the need for people to identify toxic animals and plants, toxicology must be one of, if not the, oldest practical science. As an academic endeavor, the written record is sparse but clear, from the papyrus Ebers (c. 1500 BC) to modern times. There have also been a number of luminaries during the centuries, Hippocrates, Aristotle, Nicander, Galen, Ramazini, Orfila, and, of course, *Paracelsus*.

Given this long history one might ask why toxicology did not, until recent decades, acquire the status of other major sciences, frequently being subsumed as part of medical and pharmaceutical curricula and rarely being the sole subject for advanced degrees. Perhaps it is more relevant, in light of the 45th anniversary of SOT, to ask why toxicology has now become recognized as a distinct and important fundamental and applied science with university departments and degree programs devoted exclusively to its development and propagation. While other organizations played a role, I think we can, without excessive pride of membership, justify the belief that SOT was, at its foundation, the prime mover in this change and is still its most important motivating force. In 1961, nine individuals formed SOT, eight of them being shown in the picture above.

The first membership list contained 124 names. Contrast this with the current membership of 5,795. The initial meetings, held in Williamsburg, Virginia, were small and the toxicology was mostly descriptive. Contrast this with the SOT Annual Meetings of today, with an attendance close to 6,000, covering the entire gamut from new approaches to risk analysis to fundamental molecular toxicology. The SOT Annual Meeting is generally regarded as the most important toxicology meeting on the planet, attracting both members and non-members from countries worldwide. The structure of SOT was, at its inception, quite simple with regular members and a minimal number of officers and committees. Contrast this with the current membership, officer and council structure, the extensive headquarters staff, twenty-one specialty sections, eighteen regional chapters, four elected committees, and at least twenty-one appointed committees.

Let this short message be the SOT Historians recognition of those whose activities have benefited us all and a welcome to the 45th Anniversary Meeting.

Improved Internet Access/Message Center Available

As technology advances, SOT realizes how important it is for attendees to learn the latest scientific discoveries at the meeting while using technology to stay connected to daily responsibilities. SOT will have stations available in the Registration area (Message Center) and ToxExpo™ "Internet Café" to check your E-mail and connect to the Internet. These areas will be clearly marked with signage. Please

look at the maps in the Annual Meeting *Program* for designated areas.

The Message Center will be located in the Registration area at the Convention Center and is designed to facilitate interaction among Annual Meeting attendees. SOT members, CRAD Job Bank registrants, and Annual Meeting attendees will have access to the [Annual Meeting Message Center](#) using the computers at the Message Center or any computer with an Internet connection. (Members—Use your SOT login: Non-Members—Use your CRAD or 2006 Registration login.)

The [Annual Meeting Message Center](#) is available now through March 31, 2006.

Harvard's Ropeik Delivers 45th Annual SOT Plenary Lecture on Risk Perception

Harvard Professor **David Ropeik** will deliver the SOT Plenary Lecture at the SOT 45th Annual Meeting on Monday, March 6. His presentation is entitled, "Risk Communication – The Perception Gap, an Unrecognized Aspect of Risk." His talk will propose that the classic definition of "Risk = Hazard x Exposure" is incomplete. A definition that more fully reflects all aspects of risk is Hazard x Exposure x Perception. Mr. Ropeik is the Director of Risk Communication at the Harvard Center for Risk Analysis (HCRA), Harvard School of Public Health (HSPH), Harvard University, Boston, Massachusetts. He is responsible for communicating the Center's approach to keeping risk in perspective to the press, policy makers, and public, and he teaches risk communication at HSPH.

While it is often said that people are wrong or irrational when their fears do not match the facts, their fears are real, and those fears often lead to behaviors that compound the risk to them and to society. The scientific understanding of the roots of risk perception will be explained.

More effective risk communication, based on a respect for the realities of risk perception, will be offered as a vital tool for closing "The Perception Gap" and encouraging people to make more informed and healthier choices.

HCRA was launched in 1989 with the mission to promote public health by using decision sciences to take a broader view. By applying these analytic methods to a wide range of risk and health issues and by comparing various risk management or health intervention strategies, HCRA hopes to empower informed public responses to health, safety, and environmental challenges by identifying policies that will achieve the greatest benefits with the most efficient use of limited resources.

Learn More about New Mixtures Specialty Section at Organizational Reception

A new Specialty Section for Mixtures has been approved by the Society of Toxicology Council. All SOT members are invited to its first reception at 6:00 PM–7:30 PM on Monday, March 6, 2006, in Room 15B, San Diego Convention Center. An organizational committee representing academia, government, industry, and the private sector has done the groundwork to establish this Specialty Section. For further information please contact [Shawn Lamb](#) or [Moiz Mumtaz](#).

Program Committee and Specialty Section Contribute to the Successful Scientific Program of the Annual Meeting

The scientific program of the Annual Meeting continues to be of great interest to all attendees due to the successful interactions of the Program Committee and the Specialty Sections. The Program Committee has the final responsibility for the selection of Symposia, Workshops, Roundtables, and the newly instituted Historical Highlights sessions. However, most of the proposed sessions submitted to the Program Committee have originated in the Specialty Sections, although individual members and other groups, including the Regional Chapters, are encouraged to submit proposed sessions for consideration. In addition to the development of proposed sessions, the Specialty Sections have an important responsibility of reviewing the proposed sessions and providing rankings of the sessions in addition to comments. This input is invaluable to the Program Committee, which evaluates the proposals and develops the final scientific program assuring a balance of topics that will appeal to the diverse membership of the Society.

To assure that the process of selection of the topics for the Annual Meeting is optimized for efficiency and is transparent to all involved, the Program Committee has recently sent a summary of the process to the leadership of the various Specialty Sections. This statement has clarified not only the selection process for the finally accepted sessions, but also has outlined the importance of the Specialty Section evaluation process. Clarification of the information needed by the Program Committee has been included. The Program Committee will be available to assist the Specialty Sections during the Annual Meeting and at other times to answer questions and provide advice on the process. However, it must be recognized that the members of the Program Committee have the primary responsibility to develop a broad-based, high-quality program. They do not function as advocates on the Program Committee

for any specific session, topic, or specialty area of toxicology. Members are encouraged to work with the various Specialty Sections to develop sessions for the 2007 Annual Meeting prior to the submission deadline of April 30, 2006. However, any member or group of members can provide suggested sessions selection of Symposia, Workshops, Roundtables, and Historical Highlights sessions; please review the [Proposal Submission Instructions](#) and [Guidelines](#).

Hayes to Deliver Merit Awardee Lecture

As the recipient of SOT's 2006 Merit Award, **A. Wallace Hayes** will deliver the Merit Awardee Lecture on Wednesday, March 8, from 4:30 PM to 5:20 PM in the San Diego Convention Center, Room 15A. The Society is pleased to initiate the Merit Awardee Lecture in 2006 to provide Annual Meeting attendees with the opportunity to hear the thoughtful and valuable insights of an SOT member recognized for a distinguished career in toxicology.

Dr. Hayes has made significant contributions to the field of toxicology through his research accomplishments, his mentorship of young scientists, his dedication to the associated societies, and his textbook contributions. He has served on many SOT committees (Program, Technical, Animals in Research, Membership, and Education) and as a member of the SOT Council. He also has served as a delegate to the International Union of Toxicology (IUTOX), on several IUTOX commissions, and currently, he is the Secretary-General of that organization.

Through his tenure in corporate environments and academic positions, he has been a contributing author to over 180 peer-reviewed scientific reports and has contributed to the publication of nine reference books, including *Principles and Methods of Toxicology*, which is an indispensable guide not only for those involved in risk assessment but also for basic scientists, clinicians, educators, students, and many others. Dr. Hayes has served on numerous committees and expert panels for the National Academy of Sciences, the National Institutes of Health, the U.S. Environmental Protection Agency, and the U.S. Department of Defense, as well as on several international panels.

Dr. Hayes now is a visiting scientist at the Harvard School of Public Health, Boston, Massachusetts. He also is editor of *Cutaneous and Ocular Toxicology* and Editor for the Americas for *Human & Experimental Toxicology*.

AiR Committee Workshop: Best Practices for Assuring Compliance

The Animals in Research Committee will sponsor a Special Session entitled: "Using Animals for Toxicological Research and Testing: Best Practices for Assuring Compliance with Animal Welfare Regulations, Policies, and Guidelines," Monday, March 6, from 4:30 PM–6:00 PM in Room 1A of the San Diego Convention Center.

The most common animal care and use deficiencies, suggestions for improvement, perspectives on compliance issues and review of current best practices will be provided by USDA APHIS/Animal Care, NIH Office of Laboratory animal Welfare, Association for the Assessment and Accreditation of Laboratory Animal Care International, and the Canadian Council on Animal Care and the UK Home Office. All meeting attendees are encouraged to attend this session to enhance their understanding to optimize humane animal care and use by investigators.

"Lunch with an Expert" Continues in San Diego

Students are encouraged to sign up to participate in "Lunch with an Expert" in San Diego.

The registration is found at <http://www.toxicology.org/ai/spd/lunchexpert.asp>. Students are matched based on the interests they indicate as compared with those indicated by an SOT member Expert. The Expert selects the time and place of the meeting—it may be breakfast or perhaps as lunch during the SOT meeting. Registrants receive information by e-mail.

If you don't have a chance to sign up before the meeting, a large poster will be available for you to register at the Student/Post-Doctoral Fellow Mixer at 7:30 PM, Sunday, March 5, in Room 33 of the San Diego Convention Center. The poster will be displayed in a prominent location throughout the week and serves as the gathering place for the groups before they depart for the restaurant destination.

Regional Chapter Receptions are Highlight of Annual Meeting

The Mountain West SOT

officers would like to remind all members to join us for a mixer at the SOT 45th Annual Meeting in San Diego. The reception will be held jointly with the Southern California Chapter on Tuesday, March 7,

2006, 5:00 PM–7:00 PM at a Thai Restaurant, called Rama, at 327 Fourth Ave. Please contact [Chris Reilly](#) or [Matt Campen](#) for more details.

The Annual Reception for NESOT will be held from 6:00 PM–8:00 PM on Tuesday, March 7, 2006, in the Cardiff Room at the Marriott Hotel & Marina at the SOT Annual Meeting in San Diego, California. Come and join us!

Historical Highlight: Organophosphates from Nerve Gas to Insecticide

Thursday, March 9, 8:00 AM–8:50 AM

John Doull, University of Kansas Medical Center, Kansas City, Kansas and **Janice Chambers**, Mississippi State University, Mississippi State, Mississippi, are Co-Chairs of this session. The SOT Program Committee selects a proposal for this session that provides a review of a historical body of science that has impacted toxicology. This session, Thursday, March 9, 8:00 AM–8:50 AM, will describe how ongoing scientific investigations—over decades—helped to advance understanding and inform regulatory decision-making. The emphasis will be on the information contributing most to our current understanding of the hazard posed by organophosphate (OP) insecticides and related to the current regulations of the OP insecticides through the Federal Insecticide, Fungicide and Rodenticide Act as well as the Food Quality Protection Act. The session will conclude with comments on testing issues (MTD, etc.) and the current controversy regarding the use of humans in testing OPs and other pesticides.

You are encouraged to submit a Historical Highlight proposal featuring an overview of a particularly important area of toxicology to the Program Committee for the SOT 2007 Annual Meeting.

Special Session: Hurricane Katrina—Interface between Response and Research

This special session, Thursday, March 9, 9:00 AM–12:00 NOON, will address a number of public health and research issues related to catastrophic natural disasters, such as the impacts of Hurricane Katrina. Chairs **Harold Zenick**, National Health and Environmental Effects Research Laboratory, Office of Research and Development, U.S. EPA, Research Triangle Park, North Carolina and **Henry Falk**, Director, Coordinating Center for Environmental Health and Injury Prevention, CDC, Atlanta, Georgia, will lead a timely session on the response of public health professionals and members of the research community to Hurricane Katrina. Presenters will describe the on-the-ground conditions encountered in the Gulf Coast and how emergency-driven decisions were made. Topics will focus on health needs, occupational and public health risks, and damage to coastal ecological resources. Session participants also will discuss the types of information that research could yield to help reduce uncertainties in decision-making for future diseases. The three-hour roundtable will include ample time for dialogue with the audience.

Medical Research Council Lecture: Cell Death and Neurodegeneration

Tuesday, March 7, 8:00 AM–8:50 AM

The UK Medical Research Council (MRC)-sponsored lectures at the SOT Annual Meeting reflect the long tradition of support by the MRC for basic sciences and their translation to medicine. This year, **Dr. Junying Yuan** will present the MRC lecture on cell death and neurodegeneration. She is currently a professor of Cell Biology at Harvard Medical School. She was initially trained at Fudan University, Shanghai, China, and subsequently obtained her PhD in Neuroscience at Harvard University, working with the Nobel Prize winner **H.R. Horvitz**.

Professor Yuan has pioneered studies concerning the mechanism of degeneration, regulation, and cell death, first in *C. elegans* and then in mammalian systems. She has made fundamental contributions by discovering the caspase family of proteases and, subsequently, by relating them to neurodegenerative conditions. More recently she has used unbiased chemical genetic screens to identify new regulatory machineries controlling the process leading to cell death. She has identified both new death pathways and chemicals that may be used to prevent the onset of non-apoptotic cell death. Her work is of great relevance to cell biology, medicine, and toxicology. Dr. Yuan has published an impressive number of high-quality papers and is regarded as one of the leading figures in the research field of cell death.

The MRC was established in 1913. Scientists funded by the MRC at its Units and Institutes, as well as in several UK universities, have discovered fundamental processes in cell biology and medicine. The MRC supports research carried out in universities and other academic establishments in the UK and through its intramural program supports strategic research in Units and Institutes. The MRC Toxicology Unit was formed in 1947 and is currently located at the University of Leicester where it integrates competitive research areas in cell biology, molecular biology, genetics, and medicine. The Unit is pleased to sponsor a plenary lecture at the SOT Annual Meeting to acknowledge the importance of fundamental sciences and its medical applications to the field of toxicology.

Graduate Fellowship Finalists and Travel Support Recipients Announced

The three finalists selected for interviews for the Novartis Graduate Fellowship are: **W. Michael Caudle**, Emory University; **Kinsey Gilbert**, University Medical Center of South Carolina; and **Sheung P. Ng**, New York University School of Medicine. The interviews will be conducted in conjunction with the SOT Annual Meeting in San Diego, and the recipient will be announced during the Awards Ceremony, Sunday, March 5. SOT and Novartis provide travel funding for the finalists. The Education Committee was pleased by the number and high caliber of the candidates this year.

Students also will be receiving travel support to attend the SOT meeting. Merck has provided funds to assist with the travel of two students this year.

SOT, with matching funds from Regional Chapters and Specialty Sections, also provides travel funding for members of the Student Advisory Committee and for student representatives of Specialty Sections.

Students will be receiving travel support to attend the SOT meeting:

Amanda Ashley, *Colorado State University*
Ok Nam Bae Seoul, *National University, Korea*
Wade Barranco, *University of California Los Angeles*
Sally Brady, *University of London, United Kingdom*
Christopher Brynczka, *NIEHS*
Cecilia Chan, *University of California Los Angeles*
Grace Chan, *St. John's University*
Xiaoqing Chang, *University of Cincinnati*
Jaya Chilakapati, *University of Louisiana Monroe*
Sudhakar Chintharlapalli, *Texas A&M University*
Jonathan Ciencewiczki, *University of North Carolina Chapel Hill*
Jeannette Comeau, *Queen's University, Canada*
Steven Cooper, *USFDA-NCTR*
Lauren Courter, *Oregon State University*
Christine Curran, *University of Cincinnati*
Yolanda Dale, *Meharry Medical College*
Edward Deke, *Rutgers University*
Ankur Dnyanmote, *University of Louisiana Monroe*
G. Scott Dotson, *University of South Florida-CEORAM*
Althea Elliott, *Wayne State University*
David Farrer, *University of Rochester*
Shannon Fernandez, *University of Arizona*
Robert Foxenberg, *University at Buffalo*
Marisol Gutierrez, *Rutgers University*
Genevieve Hamelin, *Universite de Montreal, Canada*
Kouji Harada, *Kyoto University, Japan*
Jaime Hatcher, *Emory University*
Rebecca Henseler, *Wright State University*
Christina Herden, *Michigan State University*
Lya Hernandez, *Queen's University, Canada*
Jedd Hillegass, *Rutgers University*
Frank Johnson, *Mississippi State University*
Vijay Kale, *University of Louisiana Monroe*
Suzanne Krance, *University of Rochester School of Medicine*
Chelsea Laudermilch, *Virginia-Maryland Regional College of Veterinary Medicine*
Junga Lee, *Oregon State University*
Fujun Liu, *Texas Tech University*
Thomas Long, *University of North Carolina*
Jean Lord, *University of Arizona*
Gang Lu, *Rutgers University*
Yasong Lu, *Colorado State University*
Rosemarie Marchan, *University of Rochester*
Vivek Mathrani, *University of California Davis*
Minerva Mercado-Feliciano, *Indiana University*
Keiko Okamoto, *San Diego State University*
Bladimir Ovando, *University at Buffalo*
Rushang Patel, *Penn State University*
Julian Pittman, *Mississippi State University*
Kathila Rajapaksa, *University of Arizona*
Jennifer Rayner, *University of North Carolina Chapel Hill*

Ava-Gaye Rhule, *University of Montana*
 Elizabeth Ryan, *University of Rochester School of Medicine*
 Ashwini Sabnis, *University of Utah*
 Yuhui Shi, *Michigan State University*
 Kerstin Stemmer, *University of Konstanz, Germany*
 Lorraine Sullivan, *University of California Davis*
 Lauren Tarantino, *New York University School of Medicine*
 Robert Taylor, *University of California Los Angeles*
 Salina Torres, *Lovelace Respiratory Research Institute*
 Emily Tung, *Queen's University, Canada*
 Olga Valenzuela, *CINVESTAV, Mexico*
 Kathryn VanDeMark, *University of Washington*
 Caren Villano, *Rutgers University*
 Xiaodong Wang, *University of the Pacific*
 Xueqian (Shirley) Wang, *Purdue University*
 Lifang Xie, *University of Arizona*
 Yan Xu, *Rutgers University*
 Koji Yamazaki, *Chiba University, Japan*

Sponsored by Merck & Company

Paul Grivas, *University of South Florida*
 Linnzi Wright, *USFDA-NCTR*

Grantsmanship Forum: Sources for Funding Support

Sponsored by Career Resource and Development (CRAD) and Education Committees

This session, Wednesday, March 8, 4:30 PM–6:00 PM, provides an overview of nontraditional sources for research funding. As the availability of resources from federal agencies that have traditionally supported toxicology research decreases, it becomes necessary to explore a wider array of potential funding sources. This forum will provide information on toxicology research resources available through two private foundations, The Burroughs Wellcome Fund and the PHRMA Foundation, and two federal agencies, the U.S. Department of Defense and the National Oceanic and Atmospheric Administration. In addition to presentations by panelists, information on other funding sources will be made available for the audience and posted on the CRAD Web site.

2006 Annual Meeting Sponsors

Diamond

AstraZeneca Pharmaceuticals
 Boehringer Ingelheim Pharmaceuticals, Inc.
 Bristol-Myers Squibb Company
 The Burroughs Wellcome Fund
 Charles River Laboratories
 Colgate-Palmolive Company
 Gene Logic, Inc.
 GlaxoSmithKline
 MPI Research
 NIEHS–National Toxicology Program (NTP)
 NIH–MARC
 Novartis
 Pfizer Global Research & Development
 U.S. Environmental Protection Agency (EPA)

Platinum

Ani Lytics, Inc.
 Aventis Pharmaceuticals, Inc.
 Biogen Idec, Inc.
 Covance Laboratories, Inc.
 Eli Lilly & Company
 GenenTech, Inc.
 Huntingdon Life
 Sciences
 Johnson & Johnson Pharmaceutical Research &
 Development, LLC
 Merck Research Laboratories
 sanofi-aventis

Gold

Abbott Laboratories
 American Petroleum Institute
 BASi (Bioanalytical Systems, Inc.)
 BioReliance™
 Chemical Abstracts
 Services

Silver

Calvert Laboratories, Inc.
 Chevron Phillips Chemical Company, LP
 Chiron Corporation
 CIIT Centers for Health Research
 DuPont Haskell Laboratories

Clinical Data, Inc.
Hoffmann-La Roche, Inc.
Johnson & Johnson
Midwest BioResearch
Purdue Pharma, LP
Schering-Plough Research Institute
The Weinberg Group
WIL Research Laboratories, LLC.

Environmental Mutagen Society
EPL, Inc. (Experimental Pathology Labs)
Hurley Consulting Associates, Ltd.
Illumina, Inc.
The Procter & Gamble Company
Research Institute for Fragrance Materials
SafeBridge Consultants, Inc.
The Sapphire Group, Inc.
Society of Toxicologic Pathology
The Teratology Society
Toxicology Excellence for Risk Assessment

Thank you for your support!

Web Site Trivia Contest Winner: Jessica Berthiaume

Congratulations to **Jessica Berthiaume** winner of the WWW User Survey Trivia Contest drawing. She has won a complimentary Annual Meeting Registration.

SOT 45th Anniversary Contest

Your chance to win one of nine \$500 American Express Gift Certificates
The Mission (should you choose to accept it):

- Visit the exhibit hall during the Anniversary Contest hours (12:00 NOON–1:30 PM, Monday–Wednesday)
- Find one (or all) of the special SOT 45th Anniversary silver and blue boxes in the exhibit hall—45 in all (in different locations each day)
- Drop your business card into the box and wait for your name to be called at one of the three daily drawings (12:30 PM, 1:00 PM, and 1:20 PM)
- You must be present to win.

[ToxExpo™](#) is the largest exhibition with Toxicology- related services in the world. Take this opportunity to visit the exhibitors who will have the most up-to-date scientific technology on display!

Paracelsus Explores the Genome: Toxicology Advances Health

SOT Committee on K–12 Education & San Diego Natural History Museum Presents

The Committee on K–12 Education welcomes you to attend their annual outreach program at the SOT 45th Annual Meeting in San Diego. This year the committee is extending outreach to include not only teachers, but also children and parents as well. This year *Paracelsus* will be spending the day at the San Diego Natural History Museum, which is hosting the traveling exhibit "[Genome: The Secret of How Life Works](#)" from January 28–May 1, 2006. This exhibit is sponsored by Pfizer, Inc. and is produced by Clear Channel Exhibitions in collaboration with the National Human Genome Research Institute, a division of the National Institutes of Health, Department of Health and Human Services, and the Whitehead Institute/MIT Center for Genome Research.

Admission to the museum is FREE on Sunday, March 5, courtesy of the SOT Committee on K–12 Education. Museum hours are 10:00 AM–5:00 PM. Bring your meeting badge, because SOT meeting attendees and their families will also receive free admission to the hourly films.

SOT members can also volunteer to assist with this special program by contacting [SOT Headquarters at MemberServices@toxicology.org](#).

First Pfizer Undergraduate Student Travel Awardees Named

Pfizer, Inc. and the SOT Education Committee recently announced the five recipients of the first Pfizer Undergraduate Student Travel Awards. These students were selected from a large and highly-qualified pool of applicants, all of whom will be making research presentations at the 2006 SOT Annual Meeting. The purpose of this award is to foster an interest in graduate studies in the field of toxicology.

The recipients will be recognized at the SOT Awards Ceremony and at a special Pfizer function. The research advisors of the students are at the same institutions as the students, unless otherwise

indicated.

| Awardee | School Research | Advisor |
|------------------|----------------------------------|--|
| Shawntay Chaney | University of Houston | Donald Fox |
| Theresa M. Eagle | Michigan State University | Robert Roth |
| Natalie Malek | Texas A&M University | Timothy Phillips |
| Adeliada Segarra | University of Puerto Rico Cayey | Bill Atchison (Michigan State University) |
| Ryan Vaughan | University of Connecticut Storrs | John Morris |
| | | |

Town Hall Session: Recent Changes in Participation Requirements on Government Advisory Groups/Panels

Wednesday 4:30 PM–6:00 PM

Chairperson: **David B. Warheit**, Dupont Haskell Laboratories, Newark, DE

This special session will focus on the issues of conflict of interest and perception of bias, and how those issues play out in the selection of members for peer review panels. In particular, the focus will be on the processes utilized for selection of peer review panels for The International Agency for Research on Cancer (IARC), National Academy of Sciences (NAS), American Chemistry Council (ACC) Long-Range Research initiative, and the US Environmental Protection Agency (EPA)—Science Advisory Board working groups. **Dr. Cogliano** will describe the rationale for changes regarding selection of members of Working Panels recently implemented at IARC. **Dr. Carol Henry** will discuss the procedures implemented for funding industry-sponsored research. **Dr. Vanessa Vu**, Director of the EPA Science Advisory Board, will discuss conflict of interest/peer review issues as they relate to this EPA board. Finally, peer review/report review procedures at the NAS will be presented.

On-Site 2006 Annual Meeting CRAD Job Bank Available

The Society's [On-line Career Resource and Development \(CRAD\) Job Bank](#) makes it easy for candidates and employers alike to access this year-round service anytime, anyplace from the SOT Web site. All users with current registrations at the time of the SOT Annual Meeting can use the CRAD Job Bank service, located at the San Diego Marriott Hotel & Marina. When you register as an employer or candidate,

- You can post jobs,
- You can search the Job Bank database,
- You can schedule interviews,
- You can send/retrieve messages electronically, and
- You can post hard copy messages.

Although pre-registration is encouraged, registrations for the CRAD Job Bank will be accepted at the meeting. SOT Student Members can use this Job Bank at no charge all year. (SOT Student Members who register for the Job Bank in the CRAD Registration Office at the Annual Meeting will be charged the \$20 on-site registration fee.)

This marketplace forum links job candidates with employment positions in toxicology and related biological sciences. Employers from corporate, academic, and nonprofit organizations can attract potential employees in a targeted and cost-effective manner. For more information, contact [Tierre Miller](#).

ToxExpo™ Exhibitors for 2006

Visit [ToxExpo.com](#) to view descriptions of Exhibitors confirmed after February 27, 2006.

Company Name / Booth #

3E Company 421
 AAALAC International 638
 ABC Laboratories, Inc. 1539
 Access Technologies 1505
 ADMET GROUP 642
 ADMET Technologies 435
 Advinus Therapeutics Pvt Ltd 318
 Affymetrix 836
 Agilent Technologies 1641

Air Quality Sciences, Inc. 1634
Alabama Research & Development 1300
Allentown Caging Equipment Co., Inc. 700
Althea Technologies 420
ALZET® Osmotic Pumps/DURECT Corp. 618
Ambion Services 1137
American Association for Laboratory Animal Science (AALAS) 437
American Board of Toxicology, Inc. (ABT) 1612
American College of Toxicology (ACT) 1621
American Conference of Governmental Industrial Hygienists (ACGIH®) 1100
Americans for Medical Progress (AMP) 404
Amgen 406
Anew International 1546
Ani Lytics, Inc. 525
Anilab, Inc. 401
Animal Identification and Marking System, Inc. (AIMS) 619
Antech Diagnostics 433
Aperio Technologies 1119
Applied Biosystems 1519
Applied Preclinical Services 1645
AppTec 231
Aptuit (Allendale), Inc. 1131
ARC Seibersdorf Research GmbH. 1631
Arcturus 1614
Ariadne Genomics 1606
AVA Biomedical, Inc. 620
Aviva Biosciences Corporation 449
B.I.K. Industries 436
BASi (Bioanalytical Systems, Inc.) 718
Battelle HHS 1223
BBL Sciences 1109
BD Biosciences 1724
Beckman Coulter 1604
Beijing Ascend Tech Corp 1746
Bench International 622
Bioagri Pharma 520
BioDynamics Research, Ltd. 1507
BioE, Inc. 303
BioLife Solutions, Inc. 1152
Biolog, Inc. 1244
Biological Test Center (BTC) 1025
Biologix Research Company 1611
BioMedic Data Systems, Inc. 601
BIOPAC Systems, Inc. 1712
BioReliance, Invitrogen bioservices™ 820
Bio-Serv, Inc. 530
BioSTAT Consultants, Inc. 1205
Biotechnics, LLC 707
Biotrin International 808
Brady Corporation 300
Bridge Pharmaceuticals 748
Bristol-Myers Squibb Company (BMS) 432
Burdock Group 841
Buxco Research Systems 1125
Calvert Laboratories, Inc. 930
Cambrex 1019
Cantest BioPharma Services. 1624
Cantox Health Sciences International 1123
Carl Zeiss MicroImaging, Inc. 1203
Cayman Chemical 842
CeeTox, Inc. 1021
Cellomics, Inc. 349
CellzDirect 1449
Centers for Disease Control and Prevention/Agency for Toxic Substances and Disease 1405
Central Institute for Experimental Animals (CIEA) 533
Central Toxicology Laboratory—Syngenta (CTL) 800
CEREP 741

CH Technologies (USA), Inc. (CHT) 1222
ChanTest, Inc. 1216
Charles River Laboratories Clinical Services 831
Charles River Laboratories Research Models & Services 630
Charles River Laboratories Pathology Services 631
Charles River Laboratories Preclinical Services 731
ChemRisk 434
CIIT Centers for Health Research 818
CIPHERGEN Biosystems, Inc. 948
CIT 1210
CLEA Japan, Inc 535
Clinical Data, Inc. 711
Colonial Medical Supply 851
Colorado Histo-Prep 1117
CombiMatrix Corp. 346
Comparative Biosciences 1208
CompuCyte Corporation 1714
Constella Group, LLC 1633
CorDynamics 324
Cosmetic Ingredient Review (CIR) 1706
Covance 801
Covance Research Products, Inc. 802
DanoLabs, Ltd 1151
Data Integrated Scientific Systems (D.I.S.S.) 1401
Data Sciences International 847
Definiens AG 309
Detroit R & D, Inc. 321
DiLab, Inc. 1619
Dow Corning Corporation 1047
Ellegaard Göttingen Minipigs 1236
Elm Hill Breeding Laboratories, Inc. 1312
Elsevier Science, Inc. 814
EMKA Technologies 1524
Environmental Health Perspectives (EHP) 336
Enzo Life Sciences, Inc. 1531
EPL, Inc. (Experimental Pathology Laboratories) 1005
Experimur 548
EXPONENT, INC. 1249
Expression Analysis 438
Exygen Research 1138
Fine Science Tools (FST) 1637
Fraunhofer ITEM 1213
Gamma Medica Ideas 539
GE Healthcare 1141
Gene Logic, Inc. 513
Gene Tools 1511
Genedata, Inc. 722
GeneGo, Inc. 408
Genpathway, Inc. 1352
Gentronix Limited 301
GlobalTox 1200
Gwathmey, Inc. 609
Hamilton Thorne Research 708
Hamilton-Kinder, LLC 1023
Harlan 1642
Hazardous Materials Information Review Commission (HMIRC) 333
Hemo Genix, Inc. 1124
Hilltop Lab Animals, Inc. 431
HistoRx, Inc. 1607
HSRL Archives, LLC 1153
Humana Press 1101
Huntingdon Life Sciences 809
Hurley Consulting Associates, Ltd. 1407
iAdvantage Software, Inc. 1649
ICT—XI 320
IDEXX Preclinical Research Services 1533
IIT Research Institute (IITRI) 918

Illustrina, Inc. 1503
ILSI Health and Environmental Sciences Institute (ILSI) 1403
In Vitro Technologies, Inc. (IVT) 821
Ina Research, Inc. 409
Instech Solomon 425
Instem, LSS 1431
Institute For *In Vitro* Sciences (IIVS) 1425
Institute for Laboratory Animal Research (ISLAR) 536
Integrated Telemetry Services (ITS) 810
IPS Therapeutique, Inc. 1136
ISIS BioComp 1118
ITR Laboratories Canada, Inc. 1049
IUTOX 305
Jai Research Foundation International (JRF) 547
JCL Bioassay, Inc. 549
John Wiley & Sons 1535
Kamiya Biomedical Company 1003
Kent Scientific Corporation 750
Kforce Scientific Staffing 1610
Korea Institute of Toxicology (KIT) 737
LAB Products, Inc. 500
LAB Research International 1217
LABCAT 1001
LabCorp 522
LabCorp Preclinical 403
LDS Life Science 743
Leadscope, Inc. 1625
Leyden Group, The 840
LHASA Limited 1202
Lippincott Williams & Wilkins 1548
Loats Associates, Inc. (LAI) 648
Lomir Biomedical, Inc. 944
Lovelace Respiratory Research Institute (LRRI) 1103
Luxcel Biosciences 1635
Marshall BioResources 1238
MB Research Labs, Inc. 1122
MDS Pharma Services 747
Med Associates 1520
Meso Scale Discovery 1638
Metabometrix, Ltd. 1518
MicaGenix 1525
Midwest BioResearch, LCC (MBR) 1515
Midwest Research Institute (MRI) 506
Mouse Specifics, Inc. 1148
MPI Research 501
MultiCASE, Inc. 1113
National Center of Toxicogenomics (NCT) 1447
National Library of Medicine 717
National Toxicology Program (NTP) 337
Nerviano Medical Sciences srl 1348
Neuroscience Associates (NSA) 430
NeuroStructural Research Labs 1234
NIEHS/OCPL 335
Northview Biosciences, Inc. 1106
NOTOCORD Systems 723
NOTOX B.V. 331
NovaScreen Biosciences Corporation 1149
Nurcro-Technics Incorporated 725
Oxford University Press/ToxSci 1120
Partek Incorporated 322
Pathology Data Solutions, Inc. 719
Perceptive Instruments 1439
Perry Scientific 1146
Pfizer Global Research and Development 1234
Pharma Algorithms 1720
Pharmalytica Services 649
Phylonix 532

PhysioGenix 1605
Popper & Sons, Inc. 537
PreClinOmics, Inc (PCO) 1615
Prevalere Life Sciences 1502
PrimaNova 1150
Primate Products, Inc. (PPI) 950
Product Safety Labs (PSL) 538
Progenix Research Sdn Bhd 439
Promega Corp 1102
Puracyp, Inc. 1732
Purina Mills LabDiet 400
QTest Labs 1253
Quest Pharmaceutical Services, LLC (QPS) 640
RASS (Risk Assessment Summer School) 307
RCC, Ltd. 1330
ReCathCo, LLC 1423
RegeneMed, Inc. 1748
Research Diets, Inc. 1718
Ricerca Biosciences 519
Rosetta Biosoftware 650
RTC, Research Toxicology Centre S.p.A. 323
RTI International 704
RxGen, Inc. 746
Safepharma Laboratories, Ltd. 1209
SafetyCall International 452
SAGE Publications 450
San Diego Instruments, Inc. 531
Scientists Center for Animal Welfare 302
SCIREQ, Inc. (Scientific Respiratory Equipment) 1419
SciTech Recruiters Inc. 1139
Sequani Limited 1230
SeraCare Life Sciences, Inc. 1500
SFBC International 534
Siemens Medical Solutions USA 1246
Sinclair Research Center, Inc. (SRC) 1053
Smiths Medical MD, Inc. 1252
SNBL USA, LTD. 1239
SoBran, Inc. 1506
Society of Quality Assurance (SQA) 1513
Society of Toxicologic Pathology 1722
SOCMA 1623
SOT—Animals in Research 1740
SOT—K-12 Resources 1742
SOT—Membership 1736
SOT—RALA 1734
Southern Research Institute 422
Springborn Smithers Labs(SSL)/Synomics Pharma Service 1231
SRI International 823
StemCell Technologies, Inc. 423
Stillmeadow, Inc. 624
Strategic Applications, Inc. (SAI) 1248
Suburban Surgical Company 724
Syracuse Research Corporation 1613
Sysmex America, Inc. 306
Taconic 922
Talos MSDS Authoring and Distribution Software 1204
Tandem Labs 1538
Taylor & Francis 1031
Thomson ResearchSoft 1451
TNO 1308
Tox Monitor/BSR, Inc. 636
Toxicology Education Foundation (TEF) 308
Toxicology Excellence For Risk Assessment (TERA) 1710
Toxicology, LLC, TTG, NSF International, The 304
Toxicology Regulatory Services (TRS) 715
Toxicology Research Laboratory (TRL) 523
Toxikon Corporation 623

ToxServices, LLC 812
 Trevigen, Inc. 646
 TSE Systems, Inc. 1302
 TSI, Incorporated 212
 U.S. Environmental Protection Agency (EPA) 551
 U.S. EPA, Office of Pollution Prevention and Toxics 453
 U.S. EPA, Office of Research and Development 550
 UTAK Laboratories, Inc. 1501
 Valley Biosystems (VBS) 1504
 Veritox, Inc. 1201
 Viking Medical/Used Caging.com 316
 VisualSonics 524
 Vitrocell Systems 1220
 Vitron, Inc. 940
 VivoMetrics, Inc. 1145
 Vizon SciTec, Inc. 1633
 WIL Research Laboratories 701
 Wildlife International, Ltd. 819
 Xcellon—The AEGIS
 Technologies Group, Inc. 1218
 Xenobiotic Detection Systems 621
 XenoTech, LLC 709
 Xybion Medical Systems 1037

Regular Features

Member News:

Eye on CDI



Name: **Jennifer L. Rayner**

Current Position: Pre-Doctoral candidate in the Department of Environmental Sciences & Engineering at the University of North Carolina at Chapel Hill

Committee on Diversity Initiatives (CDI) Undergraduate Education Program for Minority Students Honoree: 2001

Education: 2001: BS in Biology, BS in Environmental Science, North Carolina Central University 2001-Present: Doctoral Student in Environmental Health

Since her Anatomy and Physiology class at the North Carolina School of Science and Mathematics, Jennifer has known that she would eventually go into the field of science. During the semester-long cat dissection, her interests were piqued in learning how all the little parts come together to create the big picture. This led her to actively pursue research during her undergraduate years at North Carolina Central University (NCCU). The summer before her freshman year in 1997, she participated in the Research Engineering and Apprenticeship Program in the laboratory of **Dr. Goldie Byrd** at NCCU. She learned molecular biology techniques using *Enterobacter agglomerans* and *Bdellovibrio St. Johns* bacterial strains and gained the skills necessary for conducting sound research. During that summer, she also became interested in environmental issues and how they relate to humans, and she decided to major in both biology and environmental science under **Dr. Yolanda Banks Anderson**.

In addition to classes, Jennifer continued to work in Dr. Byrd's laboratory and was able to present her work in poster format at the National Minority Research Symposium (NMRS) in New Orleans, Louisiana. The following summer, Jennifer worked in **Dr. Jonathan Ladapo's** laboratory (NCCU) purifying and characterizing microorganisms from a recreational lake.

She presented a poster of this work at the 1998 NMRS meeting in New York City. The summer of 1999 found Jennifer in Massachusetts in the MIT Summer Research Program. While there she worked with **Dr. Leila Bradley** under **Dr. Hazel Sive** at the Whitehead Institute for Biomedical Research to examine morphological changes in *Xenopus laevis* injected with Xfrb RNA and Xwnt8 RNA and DNA. That experience showed her how to combine her previous biological research with environmental science and led her to consider the effects of environmental pollutants on embryonic development. Jennifer was able to give a seminar in Cambridge and a poster presentation (NMRS, 1999) of her work.

The next summer she participated in the Summer Pregraduate Research Experience Program (SPGRE) at the University of North Carolina at Chapel Hill (UNC-CH) in **Dr. Marc Peifer's** laboratory. There she used *Drosophila melanogaster* as a model to study the effects of the tumor suppressor adenomatous polyposis coli on muscle and nervous system development in embryos. Through her SPGRE mentor, **Dr. LaMont Bryant**, Jennifer was able to talk to faculty at UNC as well as the US Environmental Protection Agency (EPA), where LaMont was conducting his doctoral research. These discussions led to Jennifer volunteering the final semester of her senior year at the EPA with **Dr. Suzanne Fenton**. Jennifer was selected during this time to participate in the SCMI Undergraduate Education Program for Minority Students. This program was crucial to influencing Jennifer's goals as she entered graduate school at UNC-CH. Once again, and with permission of her graduate advisor **Dr. Louise Ball**, Jennifer began research the summer before starting classes. She chose to remain at the EPA working with Dr. Fenton on examining how atrazine, a widely used herbicide, affects mammary gland development in offspring exposed during gestation. In 2002, Jennifer presented her work at the North Carolina SOT and Triangle Consortium for Reproductive Biology. She was also asked to serve as a Peer Mentor for the Undergraduate Education Program for Minority Students at the SOT Annual Meeting and gladly accepted.

Since 2002 Jennifer has served as a Peer Mentor for the program and has loved being able to share her experiences with the students. She has also continued to present her work at the Annual Meeting. Through working with the program, Jennifer has made many contacts, one of whom, **Charles Azuka**, introduced her to the summer intern program at The Proctor & Gamble Company. She participated during the summer of 2005 and worked in the laboratory of **George Daston** and **Jorge Naciff**. The summer program, in addition to doing research using in vitro techniques, introduced her to an area of toxicological work different from what she had experienced in academia and government. Jennifer is currently finishing her dissertation for her May 2006 graduation and looking to extend her interests in the field of reproductive and developmental toxicology.

Post-Doctoral Assembly Board Has Planning Meeting

The Board of the SOT Post-Doctoral Assembly (PDA) met on December 2 at SOT Headquarters in Reston, VA. In attendance were **Jim Luyendyk** (Chair), **Jennifer Durringer** (Co-Chair), **Peyton Myers** (Counselor), **Mark Powley** (Secretary/Treasurer), **George Corcoran** (Council Liaison), and **Betty Eidemiller** (SOT Staff). Meeting minutes are available on the [SOT-PDA Web site](#). The meeting was very productive and several exciting opportunities for post-docs in the upcoming year were discussed. In brief:

- Finalizing election procedures for next year's PDA Board took top priority. Jennifer Durringer will assume the position of Chair for 2006–2007. The Board solicited nominations for Co-Chair, Counselor, and Secretary/Treasurer through January 6, 2006. Eligible nominees must be members of SOT and occupy post-doctoral positions by February 1, 2006. The Board will be developing the election slate after interviewing candidates, and then PDA members will be notified to vote. Elections will take place in February and the new officers will be announced prior to the SOT 2006 Annual Meeting.
- The Board finalized plans for post-doctoral activities at the SOT 2006 Annual Meeting in San Diego.
 - The **Post-Doctoral Event** will take place on **Sunday evening from 8:00 PM–9:00 PM** in Room 32 of the San Diego Convention Center. Visit the **Student/Post-Doctoral Mixer at 7:30 PM** and then join us at **8:00 PM** for a brief keynote address by **Jose Manautou**. Food, drinks, and fun will follow.
 - In addition, the **CRAD/PDA co-sponsored Seminar**, entitled "**Life After Your Post-Doc: Advice on Finding and Landing a Job**," will be on **Monday from 4:30 PM–6:00 PM** in Room 2. We have an all-star lineup of panelists, so be sure to attend.
 - Finally, plan on attending the **Student/Post-Doc meeting with Council on Wednesday at 4:30 PM** in Room 12. This year a more relaxed format for the meeting will allow a one-on-one discussion among students, post-docs, and Council members!
- Other items discussed included revisions to the PDA By-laws, the potential for post-doctoral representation in SOT Specialty Sections, possible new programs for first-time meeting attendees, issues relate to the transition from Post-Doctoral to Associate Membership, a review of the Recruitment and Retention Task Force recommendations, and strategic planning for the PDA's future.

See you all in San Diego!

Sincerely,
Jim Luyendyk
SOT PDA Chair

New Members for 2006

Elazhari O. Abdalla
Sarah Aldred
Jeffrey W. Allen
Syam Sundar P. Andra
Shahzad Arshad
Gregory L. Baker
Gwendolyn L. Ball
Wenjun Bao
Sarah N. Barnes
Abhijeet V. Barse
Subhash C. Basak
Jamie C. Benedict
Abby D. Benninghoff
Sachin S. Bhusari
Joanne M. Birkebak
Gunnar Boysen
Michael A. Breider
Julie A. Buffington
Ping Cai
Andrew R. Campbell
Feng Cao
Shawn M. Castro
Grace H. Chan
Itai Chipinda
Frances G. Crofts
Lynn M. Crosby
Shirley E. Cruz
Jacqueline E. Damen
Deven Dandekar
Rodel C. De Guzman
Xin Deng
Paritosh Markus Dey
Wei Ding
Daniel J. Dorta
Derek A. Drechsel
Michael A. Dubick
Anwar Y. Dunbar
Leslie A. Dyal
Ahmed F. Elsaid
Keith M. Erikson
Susan M. Fischer
Craig D. Fisher
Xin Fu
Joan D. Garey
David W. Gaylor
Valeswara-Rao Gazula
Kamran Ghoreishi
Kendra F. Goff
Andrea C. Gore
Deke T. Gundersen
Brian D. Gute
Peggy J. Guzzie
Judith K. Gwathmey
Jill A. Harvilchuck
Dale B. Hattis
Sara J. Heggland
Kirsten J. Helmcke
Marjoke Heneweer
Rolf K. Hjortkjaer
Amie L. Holmes
Erin L. Hsu
Sara M. Hueber
Nicole W. Hurst
Matthew I. Jackson
Mark D. Jankowski
Brandon D. Jeffy
Bart A. Jessen
Bo Jiang
Samantha J. Jones
Avenel D.E. Joseph
Paiboon Jungsuwadee
Thomas P. Jursa
Kasim K. Kabirov
Harjeet Kaur
Toshihiko Kawamori
Cynthia H. Kern
Nagalakshmi Keshava
Khalidya Khamidulina
Sang Hyun Kim
James H. Kim
Kathryn T. Knecht
Michael Koch
Suzanne M. Krance
Claire L. Kruger
Madeline A. Kuhlmann
Kyung Jin Lee
Chiu Hong Lee
Shawna L. Lemke
Na Li
Martha A. Lindsey
Katrina S. Lustofin
James P. Luyendyk
Paul E. Malichky
Koren K. Mann
Lisa J. Martin
Gregory D. Mayer
Alex J. McNally
Paul C. Melstrom
Wilson H. Miller
Edward M. Mills
Yoichi Miyamae
Chad D. Moore
Carla MK. Morrow
Anuradha Mudipalli
Shankar Munusamy
Rachel N. Murrell
Achimugu Dickson Musa
Kathirvel Muthiah
Hitoshi Nagashima
Srivatcha Naragoni
Richard M. Nass
Andrea L. Nilson
Akiyoshi Nishikawa
Jessica J. Noggle
Patricia Ramirez Noguera
Nolwenn Claire Noisel
Rami H. Nsaif
Wilson Obidah
Chrys J. Obot Akata
Takamasa Ohnishi
Satoru Oneda
Sreekumar Othumpangat
Sarah C. Owen
Anthony S. Panepinto
Sherry P. Parker
Narayan Jeya Parthasarathy
Nirav D. Patel
Kimmo E. Peltonen
Alex G. Peniche
Jennifer M. Phillips
Jennifer S. Pierce
James R. Plautz
Mark W. Powley
Lori A. Reed
Melissa C. Rhodes
Mark D. Rolsma
Nilsa Rolsma
Leah S. Rosenfeld
Chad J. Roy
Kimberly A. Rozett Nemeth
Yoshihide Satomi
Alexander G. Schauss
Marlowe J. Schneidkraut
Raja S. Settivari
Chang Seung hee
Jun Shen
Shujie Shi
Haruna Shibata
Vanessa M. Silva
Yolanda T. Simms
Rohit Singhal
Pejvak K. Soltany
Alison EB. Springs
Amy L. Stevenson
Victoria M. Tai
Cecilia Tan
Xiaobing Tan
Lorraine F. Tilbury
Elizabeth G. Tonkin
Crystal Y. Tucker
Douglas B. Tully
Tetsuro Urushidani
Vishal S. Vaidya
Rakesh Verma
Beth A. Vorderstrasse
Carrie A. Vyhldal
Jacqueline Grace Wallenborn
Junxiang Wan
Yang Wang
Gangduo Wang
Remco HS. Westerink
Tracy L. Whitehead
Tian Xia
Yingkai Xu
Xiaoyong Yan
Yuta Yanagisawa
Shannon L. Yancy
Ronnie L. Yeager
Zhengyu Yin
Zhen Yu
Andrea G. Zabka
Patti C. Zeidler-Erdely
Xuguo Zhou
Mark A. Zorbas

 25-Year Members for 2006

| | | |
|---------------------|-----------------------|------------------------|
| Donald Abrutyn, Sr. | Michael A. Dorato | Thomas A. Marks, IV |
| Farid E. Ahmed | Pierre Duprat | Lawrence W. Masten |
| Douglas L. Arnold | Erik Dybing | Kenneth E. McMartin |
| Yousef H. Atallah | Laurence D. Fechter | Donald McMillan |
| George C. Becking | Harry N. Finkbone | Philip C. Merker |
| J. Alan Beech | Lawrence J. Fischer | Terry L. Miller |
| Ruth E. Billings | Gerald L. Fisher | Linda S. Mullin |
| Michael J. Brabec | Donald A. Fox | Toshio Narahashi |
| Ronald K. Browne | Wayne M. Galbraith | Raymond F. Orzechowski |
| Alan R. Buckpitt | Sharat D. Gangolli | Richard A. Parent |
| Stuart Z. Cagen | Shirley J. Gee | Alain F. Pelfrene |
| Edward J. Calabrese | Doyle G. Graham | Gerald A. Pollock |
| Raymond A. Cardona | Bruce D. Hammock | Douglas E. Rickert |
| Janice E. Chambers | Robert P. Hanzlik | Bill D. Roebuck |
| Theresa S. Chen | Wanda M. Haschek Hock | Robert A. Roth |
| Pasquale Chieco | Rogene F. Henderson | Carol M. Schiller |
| C. Paul Chow | Zdenka Horakova | Harold E. Seifried |
| Charles R. Clark | Stanley Kaplan | Waheed H. Siddiqui |
| Max Costa | Meryl H. Karol | Kandiah Sivarajah |
| Robert J. Cousins | Philip W. Lee | Robert J. Szot |
| Arthur L. Craigmill | Barbara C. Levin | Douglas C. Topping |
| Alan R. Dahl | Barry S. Levine | Thomas D. Trautman |
| Fred W. Deckert | James P. Lewkowsky | James E. Trosko |
| Dennis D. Dietz | Simon Lock | Michael J. Winrow |
| | | Gisela Witz |

Regional Chapter/Specialty Section News:

Mountain West Chapter Holds Conference on Environmental Cardiology

This year's Mountain West Society of Toxicology (SOT) Chapter Conference was held in Santa Fe, New Mexico on September 15–16, 2005. The thematic topic was "Environmental Cardiology: The Role of Xenobiotics on Cardiovascular Health," with a keynote seminar from **Kenneth Ramos** of the University of Louisville. Other speakers included **Todd Camenisch** and **Qin Chen** from the University of Arizona; **Mary Walker** and **Todd A. Thompson** from the University of New Mexico College of Pharmacy; and **JeanClare Seagrave**, **Jacob McDonald**, and **Matthew Campen** from Lovelace Respiratory Research Institute.

Student presentations were given by **Amie Lund**, **Wei Ding**, and **Phillip Kopf** from the College of Pharmacy; **Natalie Lassen** and **James Roede** from the Department of Pharmaceutical Sciences, University of Colorado; **Tiffany G. Bredfeldt** from the Department of Pharmacology and Toxicology, College of Pharmacy, University of Arizona; **Julie Buffington**, College of Veterinary Medicine and Biomedical Sciences, Colorado State University; and **Karen C. Thomas** from the Department of Pharmacology and Toxicology, University of Utah. Overall attendance for the meeting was 70.

NESOT Held Symposium on Juvenile Toxicology

NESOT, the Northeast Chapter of SOT, held a symposium with its Annual Meeting October 7, 2005, at Boehringer Ingelheim Pharmaceuticals, Inc., in Ridgefield, CT. "Juvenile Toxicology" was the theme of the symposium, with well-recognized authorities speaking on pertinent topics.

Animal modeling was a major focus of the meeting, with various approaches being discussed by **Gary R. Burleson**, BRT Burleson Research Technologies, Inc., who spoke on "Juvenile Toxicity: Immunotoxicity Strategies." Specific animal models were also addressed: **Dennis M. Hinton**, U.S.

Food and Drug Administration, presented "Combining Genotoxicity and Immunotoxicity Studies for Risk Assessment of Hepato-Carcinogens Using Aflatoxin-B1 as a Model Compound (Using both Young and Mature Rats)." **Kim Boekelheide**, from Brown University, spoke on "Testicular Dysgenesis Syndrome and Animal Models of Endocrine Disruption."

Guidelines were addressed by: **Robert M. Parker**, Hoffmann-La Roche, who gave an overview on the "EPA OPPTS 870.6300 Developmental Neurotoxicity." "FDA and EMEA Expectations on the Assessment of Juvenile Toxicology and Its Impact on Drug Development," was presented by **Gregg Cappon** of Pfizer, Inc.

Meeting participants and speakers had a lively roundtable discussion on various aspects of juvenile toxicology.

Another important part of the meeting was the presentation of posters by students. The posters were excellent and showed a wide range of research in the field of toxicology. Monetary awards were given for the three best presentations: Third Prize, \$100, went to Teresa Rasoulpour, a student of Mary Hixon from the Department of Pathology and Laboratory Medicine, Brown University, for her research entitled "Akt1 Participates in Thyroid-Dependent Sertoli Cell Proliferation." A \$250 second prize was awarded to **Jeffrey S. Moffit**, a student of **Jose E. Manautou**, at the University of Connecticut, Storrs: "Induction of Hepatic Transporters Mrp3 and Mrp4 by Clofibrate is Regulated by PPARa." A \$500 first place was awarded to **Jianxun Xie**, a student of **Zahir A. Shaikh**, for work on the "Role of NF-kB in Cadmium-Induced Apoptosis in Rat Kidney Cells."

Sponsors that contributed support for this meeting included Boehringer Ingelheim Pharmaceuticals, Inc., Covance Laboratories, Inc., Elm Hill Breeding Labs, Gene Logic, Inc., and Millbrook Breeding Labs.

Ohio Valley Chapter Sustains Outstanding Programs and Expands Student Focus

The Ohio Valley chapter of the Society of Toxicology (OVSOT) had another eventful year. **James Kang** provided solid leadership, and chapter members thank him for his hard work as president of OVSOT.

As in past years, we continued our OVSOT teleseminar series. The OVSOT teleseminar series was started by **John Lipscomb**, during his tenure as president. The chapter has provided virtual seminars by prominent toxicologists and related scientists. Seminar participants follow the presentation by telephone and view the slides via their own respective computers or in groups. The speakers field questions from their virtual audience. This past year, outstanding seminars were delivered by **Curt Klaassen**, **Dan Nebert**, **Jay Gandolfi**, and **Bruce Hammock**.

In October, we held our Annual Meeting, which was hosted by the University of Louisville. **Jason Morrow**, Vanderbilt, and **AA (Kit) Taylor**, Baylor College of Medicine, delivered seminars on the cardiovascular toxicities of COX2 inhibitors, which proved to be a timely and much publicized topic. At our Annual Meeting, we also presented our first annual young investigator's award to **Gavin Arteel**, University of Louisville.

This also was the inaugural year for an annual "Student Research Showcase," which was held at the University of Cincinnati. This event was planned and orchestrated by OVSOT graduate student members and featured short research presentations by senior graduate students from attending universities. The talks were followed by a BBQ dinner and related social festivities. The current president of OVSOT is **Charles (Skip) Smith**, and we are anticipating continuing success in fostering enjoyable and productive interactions within the chapter.

In Memoriam

In Memoriam

Lawrence Fishbein
Stephen Krop
George J. Levinkas
John H. Nair, III

In Memoriam

Lawrence Fishbein



Lawrence Fishbein passed away on November 9, 2005. He was a long-time member of the Society. In addition to having been the deputy director of the U.S. Food and Drug Administrations National Center for Toxicological Research, he was active for many years in the National Toxicology Program as well as the World Health Organizations International Agency for Research on Cancer (IARC).

Stephen Krop

Remembered as a husband, father, pharmacologist and philosopher, **Stephen Krop**, 93, died in Virginia Beach, VA, on July 6, 2005. After service for 16 years at the U.S. Food and Drug Administration (FDA) as branch and division chief, he retired in 1979. During his career at the FDA, he was professorial lecturer at Georgetown University Medical School.

He attended The City College of New York briefly at the onset of the Great Depression and earned a BS in Chemistry at George Washington University and an MS in Biochemistry at Georgetown University, Washington, DC. He earned a PhD at Cornell University Medical School during World War II on a teaching fellowship.

He taught and carried out research in broad areas of pharmacology. Notably during his Cornell period his work laid the basis for the backbone of treatment with atropine of poisoning by the nerve gases still used today, and by chemically related phosphate-ester pesticides, also still utilized. Among the findings of the research was that binding of these substances to essential chemicals (esterases) in nervous tissue produced their poisonous action.

Dr. Krop taught at Cornell and Yale University Medical Schools, and then continued research at the U.S. Army Chemical Corps Medical Laboratories. In addition to its mission of protection against chemical casualties, the US Army laboratories performed research for Army, Navy, and Air Force interests on the safety of a large variety of rocket propellants and other chemicals of military interest. Dr. Krop directed and coordinated basic safety research for these services preparing safety guidelines which took him to Army, Navy and Air Force test development centers and a top secret clearance.

He published over 100 papers in the scientific literature and was a member of the American Society for Pharmacology and Experimental Therapeutics, American Physiological Society, Harvey Society, Society of Sigma Xi, Society of Experimental Biology and Medicine, New York Academy of Sciences, and a Fellow of the Washington Academy of Sciences as well as a member of the Cosmos Club in Washington, DC.

Dr. Krop is survived by Mary, his wife of 71 years; two daughters and two sons as well as 10 grandchildren and eight great-grandchildren and numerous nieces and nephews.

Memorial donations can be made to the Stephen and Mary Krop Endowed Lectureship in Pharmacology, c/o Department of Pharmacology, Attn: Kenneth Dretchen, MD, Georgetown University Medical School, 3900 Reservoir Road, Washington, DC 20057.

John H. Nair, III

John H. Nair III, of Barney Road, Clifton Park, New York, passed away on Monday, June 21, 2004. He was born in Syracuse on November 21, 1920, and graduated from Hobart College in Geneva, NY in 1941 with a degree in Chemistry. He received his MS degree in Chemistry in 1948 from the University of Pittsburgh, where he also did further graduate study concentrating in Toxicology.

Mr. Nair served in the U.S. Army during World War II, working in Army infantry, and he later transferred to the medical branch as a staff sergeant in the Army Medical Nutrition Laboratory attached to the office of the Surgeon General. Fluent in German, he served for a year in Germany after V-E Day covering all of occupied Germany conducting interviews and surveying the nutritional needs of the German population.

Upon discharge from the Army, Mr. Nair worked for the H.J. Heinz Co. in Pittsburgh, PA and later for the Mellon Institute (now Carnegie Mellon University) as part of a Union Carbide Fellowship. He later

conducted research for the Syracuse University Corporation. His work included toxicology studies in air and water pollution as well as government safety inspections of paper packaging plants all over the country. Beginning in 1973 he worked as a quality control specialist for General Electric Silicones in Waterford, retiring in 1983. After retiring, Mr. Nair pursued his love of flying and earned his pilots license. An avid ham radio enthusiast, he was on the radio every day talking to friends all over the world. He had many friends in the Carrier Net and the Grave Yard Net (a very early-morning ham radio group). He also enjoyed golf and woodworking and for many years was a model train enthusiast.

Elizabeth Beth Nair, his wife of 59 years, passed away in February 2005. They are survived by two daughters, a son and daughter-in-law and three granddaughters.

Career Resource and Development Services:

[Job Bank: Career Resource and Development Service On-Line](#)



Share this page.

SOT—Dedicated to Creating a Safer and Healthier World by Advancing the Science of Toxicology.

© 2015 Society of Toxicology. All rights reserved.

[Privacy Policy and Disclaimer](#) | [Contact Us](#)