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Communique*Special Issue 2004***News in This Issue**

President's Message

Bringing the Society of Toxicology (SOT) to mind when questions are asked and when decisions are made about chemical and biological hazards, exposures to these substances, and risk (or lack thereof) is important for the enhancement of our discipline. To aid in meeting this need in this time of electronic communication, SOT has much information, including links to toxicology-related sites on its Web site. The SOT Web site is maintained by SOT Headquarters, working on the advice of the World Wide Web Advisory Committee (**Jim Kehrer**, Chair, **Michael Dourson**, **Robert J. Kavlock**, **Brian Mathison**, Allan Parrish, **Ruth Roberts**, members, **Sachin Bendre**, student representative, **Bill Greenlee**, liaison to SOT Council, and **Deborah O'Keefe**, Headquarter's Liaison).

There are times when information asked of toxicologists is in response to a very specific need, which is true in times of local, regional, national or international emergency. It is for this reason that past president **Dave Eaton** commissioned the Task Force on Chemical/Biological Terrorism Resource Registry, co-chaired by **Ron Riley** and **Steve Channel**, with members **Nancy Adams**, **Steve Baskin**, **Alan Katz**, **Moiz Mumtaz**, **George Rusch**, **Harry Salem** and **Cody Wilson**. This task force has contributed to the SOT Web site by providing information on [Bioterrorism/Chemicals Resources and Bioterrorism Links](#).

In addition, the Task Force is working to position SOT and its members to be the source for specific expert advice that could be utilized upon request from government agencies and other valid organizations in need of this expertise for strategic planning or tactical response. Although the immediate purpose is to provide expertise of value in times of chemical and/or biological terrorist activities, the longer-term goal is to provide a registry of experts to assist in planning responses to a variety of emergencies. To do this, the Task Force is working on creating a registry of SOT members that could provide information on agents, their properties and toxicities, and instruction or assistance in developing risk assessment approaches. This registry will be most successful if it is reasonably large, including several hundred toxicologists with a wide variety of expertise. The expertise of the many toxicologists then is to be sorted so it is relatively specific to meet the needs of the requesting agency.

For this reason, the Task Force has developed a detailed questionnaire for identifying SOT members with specific expertise. The Task Force encourages all SOT members, even those who think their areas of expertise are peripheral to chemical and biological terrorism, to participate, as expertise in hazard evaluation, exposure evaluation, and risk assessment are especially valuable. This is because the purpose of this registry goes beyond terrorism—it is designed to provide general expertise for emergency preparedness. The larger the number of toxicologists included in the registry, the more valuable and more long-lasting it becomes. Participants can be assured that the information they provide for this registry is confidential and that it will not be shared without their permission. I would strongly encourage all of you to respond to the request of the Task Force and complete the questionnaire for the registry.

Marion F. Ehrich, Ph.D.*2003-2004 SOT President*

The NIH Roadmap: A Strategic Plan for Medical Research

A strategic plan for medical research at National Institutes of Health (NIH) has been developed in the months since **Elias A. Zerhouni**, assumed position as NIH Director in May 2002. The purpose was to identify major opportunities and gaps in biomedical research. According to NIH, their goal is to support "an integrated vision to deepen understanding of biology, stimulate interdisciplinary research teams, and reshape clinical research to accelerate medical discovery and improve people's health." The NIH Roadmap accelerating medical discovery to improve health can be viewed on the [NIH Web Site](#).

It identifies the three most compelling opportunities NIH sees in health research—new pathways to discovery, research teams of the future, including interdisciplinary research and public-private partnerships, and enhancement of clinical research. Research initiatives are already forthcoming, including those intended to encourage cutting-edge, risk-taking research to hasten improvements in human health, and initiatives intended to support interdisciplinary research centers.

2004–2005 Councilors and Committee Members Selected

The results of the Society of Toxicology 2004–2005 election are as follows:

Vice President-elect:

James Popp

Treasurer-elect:

Norbert E. Kaminski

Councilors:

Yvonne Dragan and

Elaine M. Faustman

Awards Committee:

Kim Boekelheide,
Deborah A. Cory-Slechta, and **Annie Jarabek**

Education Committee:

Michelle J. Hooth and
B. Paige Lawrence

Membership Committee:

Jeanine L. Bussiere and
Jack R. Harkema

Nominating Committee:

Peter L. Goering
(from Regional Chapters)

Matthew Bogdanffy
(from Specialty Sections)

Dan Acosta, Jr.
(from Past Presidents)

Myrtle A. Davis
(Member-At-Large)

SOT congratulates the new Councilors and elected committee members!

Contribute Your Knowledge

Below are two new opportunities for scientists to share their excitement about, and expertise in, toxicology with students. Research has shown that direct interaction with a scientist role model can significantly increase student performance in school, increase interest in learning and, most importantly, build self-confidence in their own abilities. You can make a difference!

NEC Give a Day, Make a Difference. Scientists and engineers across the U.S. are spending part of a day in middle schools to tell students about the wonders of science, mathematics, and technology and the opportunities for rewarding future careers. Toxicologists are invited to join this important effort. The event, led by Science Service and NEC Foundation of America, continues through April. The

foundation makes it easy by helping participants contact local schools, suggests classroom activities, and can even provide press kits. For more information and to sign up, visit the [Science Service Web Site](#).

Assist as an AskNSDL Expert. Will you help answer questions about science? The Excellence in Science, Technology, and Mathematics Education (ESTME) Week is March 15-20 and members of the scientific community are conducting many activities to encourage bright minds to pursue careers in these fields. ESTME Week is co-sponsored by the National Science Foundation and the Department of Education. During this week, through the [ESTME Web Site](#), and March 16 during the Equations '04 Exposition in Washington, D.C., the National Science Digital Library (NSDL) will provide responders for those who want to "Ask a Scientist or Engineer" as part of the [NSDL virtual reference desk](#). Experts can sign up to answer questions in any of the specified areas, several of which are related to toxicology. To register, go to the Web site and select the "experts" tab and follow the instructions. To facilitate your registration, please include in the "credentials/bio" field that you are a member of SOT, a partner in the NSDL Biology Educators Network project.

Congratulations to the 2004 SOT Award Winners

Achievement Award

David Dorman

Arnold J. Lehman Award

Melvin E. Andersen

Board of Publications (BOP) Best Paper Award

*Inhaled Environmental Combustion Particles Cause Myocardial Injury in the Wistar Kyoto Rat, **Urmila Kodavanti, Carolyn Moyer, Allen Ledbetter, Mette Schladweiler, Daniel Costa, Russ Hauser, David Christiani** and **Abraham Nyska**, *Toxicological Sciences* 71, 237-245 (2003).*

Contributions to Public Awareness of the Importance of Animals in Toxicology Research

NCABR/AMP

Distinguished Lifetime Toxicology Award

Gerald N. Wogan

Education Award

A. Jay Gandolfi

Merit Award

Robert Goyer

Public Communications Award

Kenneth Olden

SOT/American Chemistry Council/Early Career Award in Neurotoxicology

Nikolay Filipov

AstraZeneca Traveling Lectureship Award

Charlene A. McQueen

Colgate-Palmolive Traveling Lectureship in Alternative Methods in Toxicology Award

Snorri S. Thorgeirsson

SOT/IUTOX AstraZeneca Travel Award

Xianping Ying, P. K. Gupta, Salmaan Inayat-Hussain, and Christina Bolaton

New *Communiqué* "Just Right" in Survey

The decision to move to a mostly electronic *Communiqué* followed a calculated assumption that this is what you and other readers wanted. Our plan included asking you if this is right, once you received several *Communiqués* in the new format. After about a year since crossing this electronic divide, you and other SOT members responded very positively to a November survey asking if our new electronic format met your needs.

Over 90% read 4 or all 5 newsletters each year, and 80% do more than casually browse. Your favorite reading includes Annual Meeting Information (80%), Position Papers (57%), and Social Activities / News (56%), while you read less often about Regional Chapter News (25%) and Job Opportunities (33%). This must mean that most are happy with their current employers. A large majority describe the *Communiqué* as useful, interesting, informative, and a strong connection to SOT (75-80%). When asked what the ideal *Communiqué* would be like, you prefer to receive 4 (39%) or 6 (29%) issues of the current length (71%), with an increased proportion of administrative and news content (57%) or with the current balance of 80% administrative and 20% science content (38%). Finally, 53% like delivery as is, while 34% would be happy if all issues were electronic and delivered by e-mail. Many of you gave specific suggestions on where and what to adjust, and these comments will help us make the content of future issues serve all of you to the best of our ability.

If you did not respond to the newsletter survey, but would like to make recommendations, please e-mail your comments to George Corcoran or incoming *Communiqué* Editor Gary Carlson at Corcoran@wayne.edu, or gcarlson@purdue.edu, respectively. We really do want your help in making the *Communiqué* as good as it can possibly be.

Thanks to all who read the *Communiqué*, and particularly to those who responded to the survey.

Publications for Students from the SAC

The spring edition of the *SOTudent e-Letter* is [now available](#).

This twice-a-year publication is one of the ways that the SOT's Student Advisory Committee (SAC) keeps the Student Membership informed of important announcements and activities. The current edition is packed with information about student activities at the Society of Toxicology 2004 Annual Meeting in Baltimore as well as updates on membership and Regional Chapter activities. [Download your copy today!](#) The number of activities for students has dramatically increased this year.

For special tips and specifics on student activities at the Annual Meeting you will also want to access the [SOT Annual Meeting Student Event Planner](#). If you choose to register when you download the Planner, you will also be eligible for prizes during the Student Mixer March 21st. Don't miss out!

See you at SOT 2004!

Annual Meeting News

Annual Meeting Exhibitors

| Company Name | Booth# |
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| AAALAC International | 1145 |
| Abraxis, LLC. | 1106 |
| AccessLab | 946 |
| ACGIH® | 1222 |
| ACS Publications | 2232 |
| AEgis Technologies Group, Inc. (The) | 841 |
| Affymetrix | 1521 |
| Agilent Technologies | 1615 |
| Alabama Research & Development | 1405 |
| Allentown Caging Equipment Co., Inc | 638 |
| Alternative Design Manufacturing & Supply, Inc. | 1154 |
| Althea Technologies | 1629 |
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| American Association for Laboratory Animal Science (AALAS) | 2111 |
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Annual Meeting Registration Set to Break Record

SOT is pleased to announce that, to date, over 5,000 attendees have registered for the 2004 Annual Meeting; almost 700 registrants more than for the same period last year. With over a month left to register, SOT is anticipating a record number of registrants that would exceed the overall registration for the San Francisco meeting of 6000+ attendees.

Watch your mail for the SOT *Program*. In the meantime, visit the [2004 Annual Meeting section](#) of the Web Site to see what all the excitement is about. All the Annual Meeting information is readily accessible there.

SOT Announces Student Award Recipients

The Education Committee congratulates the recipients of 2004 SOT student awards, including the finalists for the Novartis Graduate Fellowship. The finalists are **Darrell Boverhoff**, Biochemistry and Molecular Biology Michigan State University; **James P. Luyendyk**, Pharmacology and Toxicology, Michigan State University; and **Jennifer Marlowe**, Department of Health, University of Cincinnati. These outstanding students receive travel support for their Baltimore interviews. The fellowship recipient is announced at the Awards Presentation. Fellowship recipients in 2003 are featured on page 32 of the Annual Meeting *Program*.

Jaya Chilakapati of the University of Louisiana at Monroe will be learning techniques alternative to traditional whole animal models using Colgate-Palmolive Student Research Training in Alternative Methods Funding to enhance her dissertation work. She will be working with **Frank Witzman** at the Indiana University School of Medicine. Her dissertation involves exploration of thioacetamide metabolism and toxicity. *In vitro* techniques will be used to identify major protein adducts and the influence of dose, time, and dietary restriction on the formation of these adducts.

Opportunities are still available to students who wish to apply for research training funding. To submit an application, please download the appropriate forms from the [SOT Web Site](#).

The ninety-two students below are receiving Graduate Travel Awards. In addition, the members of the Student Advisory Committee, composed of a representative from each regional chapter, also receive travel support from SOT and from their regional chapter.

Graduate Travel Award Winners:

Lauren M. Aleksunes, University of Connecticut
Reiko Anahara Chiba, University, Japan
David Arrington, Medical University of South Carolina
Elizabeth A. Berg, New York University School of Medicine
Madhavi Billam, Texas Tech University
Jessica A. Bonzo, University of California, San Diego
Brian M. Brock, University of Rhode Island
Jared Brown, University of Montana
Amy B. Cadwallader, University of Utah
Jerry L. Campbell, Jr., University of Georgia
Zhuoxiao Cao, St. John's University
Amit M. Chaudhary, University of Mississippi
Kathryn J. Chavez, Cornell University
Daesuk Chung, University of Michigan
Jou-Ku Chung, Northeastern University
Alper Coban, Mississippi State University
Stacy M. Corthals, Indiana University School of Medicine
Kristy A. Cortright, University of California, Davis
Kari A. Cox, University of Texas at Austin
Todd L. Davidson, New York University School of Medicine
Jennifer E. Dawson, Queen's University
James E. Dennison, Colorado State University
Sachin S. Devi, University of Louisiana at Monroe
Julie A. Dobbs, Mississippi State University
Jing Dong, University of Texas Austin/University of Arizona
Melanie L. Doyle, University of North Carolina
Reem H. Elbekai, University of Alberta
Quentin Felty, University of Alabama at Birmingham
Heather S. Floyd, Wake Forest University
Enrique Fuentes, University of Puerto Rico
Thomas Guillot, Emory University
Yingying Guo, University of Washington
Murali Gururajan, University of Kentucky
Natalia L. Harmon, Texas Southern University
Mary Hassani, University of Montana
Juan P. Hernandez, University of Texas at El Paso
Laura Y. Hernandez, University of Texas at El Paso
Brett D. Hollingshead, Pennsylvania State University
Qunshan Jia, Michigan State University
Chirag Kariya, University of Colorado Health Sciences Center
Tisha C. King Heiden, University of Wisconsin-Milwaukee
Hesham M. Korashy, University of Alberta
Marisa L. Kreider, Duke University
Robert K. Kuester, University of Arizona
Takashima Kyoka, Chiba University, Japan
Raymond J. Langley, University of New Mexico
Natalie Lassen, University of Colorado Health Sciences Center
Yafan Li, University of Wisconsin
Xuhong Liu, Texas A&M University
Ying Liu, Texas Tech University
Manupat Lohitnavy, Colorado State University
Amie K. Lund, University of New Mexico
Daniel E.W. Machermer, University of California, San Diego
Jeffrey S. Moffit, University of Connecticut
Mai A. Ngo, University of California, Davis
Trisha L. Noreault, Dartmouth Medical School
Onyinye E. Nwagbara, Florida A&M University
Marcin F. Osuchowski, University of Georgia
Chintan Y. Patel, Long Island University
Amanda D. Phelka, University of Michigan
Melinda J. Pomeroy, Virginia Tech
Marija Popovic, University of Toronto
Christine L. Powell, University of North Carolina at Chapel Hill
Karine Price, University of Montreal

Xinzhu Pu, Purdue University
Soma S. Ray, University of Kentucky
Mark J. Reimers, Oregon State University
Victoria E. Richards, University of Arizona
Cheryl E. Rockwell, Michigan State University
Lynette K. Rogers, Ohio State University
Sharmilee P. Sawant, University of Louisiana at Monroe
Shengli Shi, University of Washington
Kaul Siddharth, Iowa State University
Arno G. Siraki, University of Toronto
Monica R. Smith, Meharry Medical College
Christopher L. Sprague, University of Wisconsin-Madison
Tingting Sun, University of Mississippi Medical Center
Sabine Teske, Washington State University
Natasha A. Thadani, Queen's University
Eric S. Tien, Pennsylvania State University
Wachareeporn Trinachartvanit, University of Illinois
Irina V. Ustyugova, West Virginia University
Vimala Vemireddi, Virginia Tech
Thomas Visalli, University of Medicine & Dentistry of New Jersey
Jianyong Wang, University of Arkansas for Medical Sciences
Deena M. Wassenberg, Duke University
Kimberly C. Wise, Texas Southern University
Kristina K. Wolf, Dartmouth Medical School
Amber K. Wyman, University of Rochester
Jianxun Xie, University of Rhode Island
Mei Xu, West Virginia University
Xiaofei Zhang, University of California, Riverside

Career Resource and Development Services at 2004 SOT Meeting in Baltimore

The Placement Center is an important part of the Annual Meeting, providing a coordinated service for information regarding career opportunities and qualified candidates. The system is computer-based, and readily available on the [SOT Web Site](#). The Annual Meeting SOT Placement Center continues to offer both candidates and employers the use of computers, limited to short searches, updates or new information. In addition, the Career Resource and Development Services offers bulletin board job listings, employer/candidate mailboxes, and interview booths.

As in previous years, we are asking SOT Job Bank users to plan ahead and input resumes or new job listings prior to the Annual Meeting. We also encourage you to complete your search for candidates or jobs prior to the meeting.

Reminders: The on-line SOT Job Bank and the Career Resource and Development Services in Baltimore are free to all SOT student members if you register before the meeting. The registration fee for the SOT Career Resource and Development Services for student members will be \$20 at the meeting. The [SOT Job Bank Web Site](#) can be easily accessed on your PC prior to the meeting or *via* your laptop computer and Internet connection in your room in Baltimore.

Placement Committee Offers Job Search Skills Workshop

A hands-on workshop, sponsored by the SOT Placement Committee, will be offered at the Annual Meeting, on Monday, March 22 from 4:30 PM – 6:00 PM. This session is designed to encourage interaction between job seekers, recruiters, and employers in academia, government, and industry.

The workshop will be divided into a question and answer session and a breakout group session. The first portion will provide attendees with practical information on topics such as the current job market, what skills employers are looking for, interviewing, and negotiating skills. Audience participation is highly encouraged. In the second portion, participants will receive advice and counsel from career placement professionals and other knowledgeable participants. This informal session is geared to assist attendees with the job search processes. The breakout groups will provide a venue for participants to have resumes critiqued, job search process concerns addressed, interview skills polished, and career path possibilities explored. Additionally, this is an excellent opportunity to develop and expand career networks.

Toxicology Program and Internship Recruitment Opportunity at the SOT Annual Meeting

Representatives from toxicology training programs and student intern/research programs are invited to meet participants in the Undergraduate Education Program on Sunday afternoon March 21st from 3:00 PM – 5:00 PM in Baltimore Convention Center Room 337. Program directors and other program representatives are encouraged to come discuss their programs and other opportunities in toxicology with bright undergraduate students from across the country. The session is open to all Annual Meeting registrants and SOT members. For more information contact **Alice Villalobos** or **Betty Eidemiller** at SOT Headquarters.

The Society of Toxicology appreciates the generous contributions of the 2004 Annual Meeting Sponsors.

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Regular Features

Member News:
SOT President Elected to CSSP

It is our honor to announce that SOT President **Marion Ehrich** has been appointed to the Executive Board for the Council of Scientific Society Presidents (CSSP). Dr. Ehrich's term began in December 2003 and will conclude in December 2004.

The Council of Scientific Society Presidents is an organization comprised of the presidents, presidents-elect and immediate past presidents of [over sixty scientific societies and federations](#). SOT is a member. Since its inception in 1973, CSSP has served as a strong voice in support of science and science education, as the premier national science leadership development institute, and as a forum for open, substantive exchanges on current scientific issues.

To learn more about CSSP, visit their [Web Site](#). Our congratulations to Dr. Ehrich on this prestigious honor.

SOT Past-President Honored with International Achievement Award

SOT Past-President (1990-1991) **Dr. Curtis D. Klaassen** has the distinction of being honored by the International Society of Regulatory Toxicology and Pharmacology. Dr. Klaassen was presented with the 2003 International Achievement Award in recognition of his outstanding contributions to the science of toxicology and pharmacology and its regulatory implications worldwide, and of his magnificent role as an educator.

Dr. Klaassen's award citations are numerous and include a 1976 SOT Achievement Award for his research accomplishments, and a 1993 SOT Education Award. He was cited by **Eugene Garfield** in *Current Contents* (January 18, 1993) as the scientist who had the fourth highest scientific impact factor in the United States in the study of xenobiotics (drugs and other chemicals), and in 2002 was named a "Highly Cited Researcher" in Pharmacology (top 0.5%) by the Institute for Scientific Information.

Dr. Klaassen has served as associate editor of a number of journals including the *Journal of Pharmacology and Experimental Therapeutics* for 24 years and *Toxicology and Applied Pharmacology* for 10 years. More recently he was Editor-in Chief for the SOT journal *Toxicological Sciences* (1998-2002).

It is with great pride that we congratulate Dr. Klaassen on this honor.

SOT Members Volunteer to Serve

Submitted by **Linda Birnbaum**

Committee appointments were made easier this year by the large number of SOT members who

volunteered to serve the Society. All appointees were chosen from the hundreds of members who volunteered. Great efforts were made to involve as many people as possible, and from as diverse backgrounds as possible.

We truly appreciate the willingness from our members to serve and if you were not appointed this year, do not be discouraged or disappointed. There always exists the opportunity to serve SOT. Volunteer information is kept in a database and when opportunities present themselves during the year, candidates will be contacted.

Please remember that there are also many opportunities for involvement at the SOT Regional Chapter and Specialty Section level.

Regional Chapter and Specialty Section News:
Northeast Regional Chapter Meeting Highlights

*Submitted by **Charles Giardina**, NESOT President*

The Northeast Chapter of the Society of Toxicology (NESOT) held its annual meeting on November 14, 2003 in Cambridge, Massachusetts. Over 100 participants attended this meeting, which featured engaging lectures from academic and industrial scientists on the role of the proteasome in cell biology and medicine.

Dr. Kelvin Davies (USC) opened the meeting with an exciting talk on the role of the proteasome in the cellular response to oxidative stress. He discussed research from his laboratory which point to the 20S proteasome as the primary means of degrading cellular proteins damaged and denatured by oxidants. The NESOT was also treated to a lecture from **Dr. Daniel Finley**, Harvard University, a leader in the field of proteasome research. Dr. Finley focused on the regulation of ubiquitin attachment to target proteins. With hundreds of potential ubiquitin ligases identified in the human genome, the regulation of ubiquitin attachment to target proteins is likely to be a key event in many critical cellular functions.

In a series of highly engaging talks, Millennium Pharmaceutical scientists shared their experiences in the development of a proteasome inhibitor (Velcade) as a cancer therapeutic agent. **Dr. Margaret Read** discussed cell culture and animal modeling studies that supported the potential cancer suppressing actions of Velcade. **Dr. Marlene Juedes** discussed the toxicological properties of Velcade, and **Dr. Darrell Nix** reported data on the pharmacokinetics and organ distribution of this new drug. These talks were rounded off with promising clinical data on the effectiveness of Velcade in cancer treatment.

This meeting included an interactive poster session, in which approximately 35 posters were displayed by academic and industrial scientists. Poster awards were presented at the meeting. First and second place were awarded to **Jon Moreland**, University of Southern Maine and **Jianxun Xie**, University of Rhode Island respectively. **Michael Thibodeau**, NESOT 2002 1st place poster presentation winner, presented a talk based on his award winning poster on the mechanism of silica-induced macrophage apoptosis.

This NESOT meeting was made possible by strong member support and participation, as well as financial and organizational assistance from Millennium Pharmaceuticals and Charles River Laboratories.

Watching Washington:
Session on Meeting with Congress to be held at Annual Meeting

*Submitted by **William Brock***

At the Annual Meeting of the Society of Toxicology in Baltimore, the Regulatory Affairs and Legislative Assistance Committee and the Regulatory and Safety Evaluation Specialty Section will host a roundtable discussion on Science in the Legislative Process: A Congressional and Scientific View. With this workshop we were hoping to attract two Congressional speakers to give their point of view about science in the policy process. Invitations were sent to a number of Congressional members including **Senator Barbara Boxer**, **Representative Sherwood Boehlert**, **Senator Barbara Mikulski** and **Senator Bill Frist**.

As you may have read in the last *Communiqué*, Congressional representatives generally respond favorably to their constituents. We therefore asked SOT members in California and New York to also send letters to their respective Congressional representative further encouraging them to attend the

Baltimore meeting. Although Senator Boxer and Representative Boehlert had other Congressional commitments during that time, it is important to note that we did get return calls from their offices further showing the need for constituent participation in any Congressional initiative. As the organizing chair of this session, I want to thank those who took time out of their busy schedule to send a letter to their representative. This did help, as Representative Boehlert sent our request to the Chief of Staff of the House Science Committee, and because of that request, we were able to secure **David Goldston** to speak at our session. We are still working on acquiring a speaker from the Senate.

This experience continues to show that working with Congress takes energy and patience, but the outcome is beneficial to SOT members and public policy debates.

SOT Responds to Congressman Moran's Dear Colleague Letter

In January 2004, Congressman **James P. Moran** forwarded a "Dear Colleague" letter to members of the House urging fellow Congressional leaders to take action in helping to eliminate toxicity testing on animals by supporting effective non-animal testing methods.

SOT responded by requesting a meeting with Congressman Moran to discuss the issue of toxicity testing. On February 9, a delegation comprised of SOT constituents from Moran's district and leaders from SOT met with Congressman Moran's Legislative Aide, **Austin Derrer**. Participants included **Deborah O'Keefe**, SOT Headquarters, **William J. Brock**, RALA Chair, **Sydney Green**, **John DeSesso**, and SOT Members.

The purpose of this meeting was to clarify Moran's position on the use of animals for testing and to identify the motive and status for the legislation Moran has proposed. Mr. Derrer explained that the legislative process was in its initial phase and that Congressman Moran did not support the banning of animals used for testing. He wants to move towards non-animal testing methods, ultimately using non-animal methods for testing whenever an alternative method is approved and achieves the same results. It is the Congressman's position that the U.S. was lagging behind Europe and other countries in this effort.

SOT is in position to be of assistance to the Congressman's office, and to anyone involved in the legislative process, in crafting balanced legislation and urged that the policy could not get ahead of the science. Discussion of animal-based test methods mentioned in the Congressman's memorandum revealed the limitation and potential risks in the methods proposed. During the meeting the offer was put forth to prepare an SOT position paper. Although a position statement is premature at this time, SOT was recognized as a resource for further discussion and for validation of correspondence from the Congressman related to the matter. Additionally, since Congressman Moran is part of the Committee on Appropriations, discussion between SOT and Congressman Moran on funding to support non-animal test methods should occur.

The Congressman and his staff have been invited to attend the upcoming SOT Annual Meeting in Baltimore, specifically sessions related to *in vitro* testing methods.

Mr. Durrer agreed that the Congressman will meet with representatives from SOT Council on Thursday, March 25 for the SOT Congressional visits.

[View the Dear Colleague letter in its entirety.](#)

SOT Delegation Meets with Senator Boxer's Staff

On December 9, 2003, a small team of SOT delegates met with **Sandra Schubert**, Legislative Assistant to **Senator Barbara Boxer** (D-CA). The purpose of this meeting was to exchange information and avail SOT as a resource able to assist Congressional leaders in the legislative process. Participants at this meeting included SOT President **Marion Ehrlich**, SOT Executive Director **Shawn Lamb**, and members of the SOT Regulatory Affairs and Legislative Assistance Committee **William J. Brock** and **Janis Hulla**.

During the meeting, Ms. Schubert stated that toxicology-related information is occasionally needed in the context of pending legislation, and in these instances it would be beneficial to have immediate access to expert consultation. Dr. Ehrlich explained that SOT maintains a list of members having communication skills in specific areas of expertise. Ms. Schubert indicated that SOT was headed in the right direction with sponsoring Congressional Science Briefings but noted that a briefing devoted to toxicological fundamentals should be considered. Ms. Schubert suggested that Senator Boxer's office would consider co-sponsoring the event; it is believed that this briefing would be well attended by legislative staffers.

How the SOT might be responsive in this context will be discussed at the RALA committee meeting during the March 2004 Annual Meeting in Baltimore.

In Memoriam:

SOT Founding Member Mourned: Tribute to Frederick Coulston

The Society of Toxicology (SOT) announces with great sadness the loss of **Frederick Coulston**.

Dr. Coulston passed away on December 15, 2003, at the age of 89, in Alamogordo, New Mexico. The SOT family will remember him as a founder of the Society and for his devoted service as SOT President from 1965-1966.

As an active member of SOT, Dr. Coulston was the recipient of several awards, including the SOT Merit Award in 1975 and the Arnold J. Lehman Award in 1985. Dr. Coulston's professional accomplishments are numerous and include his work to develop tests for malaria, AIDS and hepatitis.

Tireless and dedicated, Dr. Coulston published countless scientific articles and served as editor for several scientific journals including *Toxicology and Applied Pharmacology*.

It is without a doubt that he will be remembered for his many contributions to toxicology, and he will be sorely missed.

SOT Member Mourned: Dr. Marshall Steinberg

Dr. Marshall Steinberg passed away on November 9, 2003.

Dr. Steinberg was born in Pittsburgh, PA and received a bachelor's degree in biology from Georgetown University, a master's degree in Zoology from the University of Pittsburgh and a doctoral degree in Pharmacology and Toxicology from the University of Texas.

A 20-year U.S. Army veteran, Dr. Steinberg retired with the rank of Colonel. Following his retirement, Dr. Steinberg held senior positions as Principal Investigator in the National Cancer Institute Bioassay Program and as Vice President at both Hazleton Laboratories and Hercules Inc. He retired from the latter company in 1997.

Dr. Steinberg was a consultant to the Environmental Protection Agency's pesticide program and adjunct professor at American University. During his career, Dr. Steinberg was active in several scientific organizations including the Society of Toxicology, Academy of Toxicological Sciences, and the American College of Toxicology, where he served a term as president. He also was a Fellow of the Royal Society of Medicine in the UK.

He served as International Pharmaceutical Excipients Council of the Americas (IPEC-Americas) Safety Committee Chair from 1992 through 1997 where he was heavily involved in the development and subsequent acceptance of the IPEC guidelines for safety assessment of new pharmaceutical excipients by the FDA new drug reviewers and later US Pharmacopeia. Following his term as Chair of IPEC-Americas (1999-2000), Dr. Steinberg served as Chair of International Pharmaceutical Excipients Auditing, Inc., until shortly before his death. He published more than 130 professional technical papers and book chapters.

Survivors include his wife of 42 years, **Patricia Louise Zobac Steinberg** and three children, **Leslie Shifrin, Michael Steinberg, and Maureen Steinberg**.

Dr. Steinberg was interred in Arlington National Cemetery on November 20, 2003 with full military honors.

In Memoriam

Frederick Coulston
Ben Van Duuren
Perry Gerhring
Marshall Steinberg
Willard Weatherholtz

Career Resource and Development Services:

Toxicology Manager

You will be responsible for *in vitro* and *in vivo* toxicology studies to support drug discovery and development activities. You will help design in house toxicology studies as well as manage the outsourced safety assessment studies in support of regulatory filings generating preclinical regulatory documentation. You will be a key representative of toxicology on programs teams, and participate in discovery to development strategies. Requires Ph.D. degree in Toxicology or relevant discipline, and/or DVM with at least 5 years relevant experience in industrial pharmaceutical toxicology. Board certification (DABT) is a plus.

Come join us and receive great compensation and benefits that include 401(k) match, 3 weeks vacation, stock options/ purchase plan, and a motivated team-oriented environment. Please apply [on-line](#), or send your resume to: Neurocrine Biosciences, Inc., 10555 Science Center Drive, San Diego, CA, 92121. EOE.

Toxicologist

The Health and Safety Communication Department of the Oak Ridge Institute for Science and Education operated by Oak Ridge Associated Universities under contract with U.S. Department of Energy, is seeking two Toxicologists plus subcontractors. One employment position (Reference # 04-002) is Full-Time Temporary Up to One Year and the second employment position (Reference # 04-058) is Full-Time Regular. Duties of the employee/subcontractor positions will be to research, retrieve and collate information on human health/toxicology of potentially harmful chemicals and to write Toxicological Reviews and Summaries for the U.S. Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS) database.

REQUIREMENTS: Ph.D. in Toxicology or Biochemistry and four to six years of related experience. Must be an expert in environmental toxicology and biochemistry, with a working knowledge of risk assessment, chemical analysis, human health sciences, and biomedical research. Must have demonstrated ability in research and oral presentations. Required experience includes writing toxicological reviews and summaries, leading and participating in teams for scientific reviews and report preparation, and developing work plans and budgets.

To Request Consideration: Please visit our representatives at Career Resource and Development Services during the March Annual Meeting or you may send your resume (Specify Reference # 04-002; Reference # 04-058; or Toxicology Subcontractor and include your salary requirements) via e-mail to EMPDEPT@ORAU.GOV or by mail to: Oak Ridge Associated Universities, Employment, MS-31, P.O. Box 117, Oak Ridge, TN 37831-0117. ORAU is an EEO/AA employer and maintains a drug free workplace.

Post-Doctoral Fellowship in Environmental Pathology

The NIEHS-funded Training Program in Environmental pathology at Brown University invites applicants for a post-doctoral research fellowship. This is an interdisciplinary training program that applies the tools of biochemistry, molecular biology, and cell biology to study the pathogenesis of cancer, reproductive and neurologic toxicity, and stress, altered immune responses, and early pregnancy loss related to environmental exposure. This training program provides opportunities for teaching experience, grantsmanship workshops, and career development activities. Trainees are expected to have a M.D. or Ph.D. degree in biology or chemistry and must be a U.S. citizen or permanent resident. Commitment to a research career in environmental pathology is essential. Research space will be provided in newly renovated laboratories with modern core facilities for genomics, proteomics, transgenic mice, molecular pathology, cell imaging, flow cytometry, and a human tumor bank.

Research mentors: Jorge Albina (inflammation and tissue repair), Christine Biron (stress and innate immunity), Kim Boekelheide (reproductive toxicology), Suzanne de la Monte (neurodegenerative disease), A. Ray Frackelton (signaling pathways in cancer), Douglas Hixson (stem cells and liver carcinogenesis), Agnes B. Kane (toxicology of asbestos and nanofibers), James Padbury and Surendra Sharma (stress, nutritional deprivation, and early pregnancy loss), Nancy Thompson (molecular mechanisms of liver carcinogenesis), Anatoly Zhitkovich (metal toxicology and carcinogenesis).

Applicants should submit a *curriculum vitae*, recent publications, a description of career objectives, and three letters of recommendation to: Agnes B. Kane, M.D., Ph.D., Professor and Chair, Department of Pathology and Laboratory Medicine, Brown University, Box G-B529, Providence, RI 02912. Fax: (401) 863-9008. E-mail: Agnes_Kane@Brown.edu. Review of applications will commence on March 1, 2004 and will continue until the position is filled. Brown University is an EEO-AA Employer and welcomes applications from minorities and women.

Associate Director Toxicology

Minimum Requirements: Ph.D. Degree in Toxicology, or related discipline, with 10+ years of experience and board certification in toxicology. Candidates must possess strong interpersonal skills and interact with colleagues at all levels. Ability to manage multiple projects and assignments under demanding time schedules is essential.

Position Summary: Plan, develop strategy, and evaluate and assess safety of consumer healthcare products as well as compliance with appropriate regulatory requirements. Develop and implement a safety assessment strategy for consumer products for Global Marketing. Supervise, monitor, and conduct safety evaluations for product registrations in European and other Non-U.S. markets. Review IND/NDA and 510(K) submissions, as well as evaluate Safety/Pharmacology and Pharmacokinetics of external licensing candidates and RX-to-OTC switches. Provide Pathology expertise on safety assessment of products as necessary.

Represent as Toxicology expert on project teams and for multiple business groups, as well as in external meetings with regulatory authorities. Familiarity with GLP and GCP is essential. Interaction with Inter-Departmental and Inter-Divisional colleagues required at all levels. Please submit resumes to: Cheryl.Tucker@Pfizer.com

Professor GEO and Director Academic Medicine

Applications and nominations are invited for Chair of the Department of Environmental Health at the University of Cincinnati, College of Medicine. The department ranks fourth out of 54 Departments of Environmental Health associated with Colleges of Medicine; has been awarded three NIEHS Center Grants; and is nationally recognized for its major areas of expertise in environmental exposure and genetics of complex diseases, molecular and cellular toxicology, carcinogenesis, environmental-industrial hygiene and chemistry, occupational and environmental medicine, biostatistics, epidemiology and policy and risk assessment. Collaborative research and training programs involve the Colleges of Medicine, Engineering and Arts and Sciences, and the Children's Hospital Research Foundation. The Chair will have the opportunity to build on existing strengths and to expand the department in new directions through implementation of new programs and recruitment of faculty. The department currently has 43 full-time faculty members and over 100 graduate students and post-doctoral fellows. It is housed in an independent research complex with outstanding laboratory, office and classroom space.

We seek an individual with an internationally recognized research program in an environmental health science area and who has a strong commitment to graduate education. The successful candidate must have a Ph.D. and/or M.D. or equivalent, demonstrated leadership skills, and a vision for the future advancement of environmental health science both within the department and in collaboration with other units of the university.

The position is open until filled. Interested applicants should submit letter of application noting control # 23UC0263, *curriculum vitae* and the names of three references to: Thomas A. Boat, M.D., Search Committee Chair, c/o Office of Faculty and Administrative Affairs, University of Cincinnati College of Medicine, 231 Albert Sabin Way, P.O. Box 670554, Cincinnati OH 45267-0554, Attn: Environmental Health Search, or send an e-mail to: Thomas Boat at Thomas.boat@chmcc.org or Amy Carpenter at carpenter@uc.edu. Affirmative Action/Equal Opportunity Employer

Scientist

ChemRisk is a consulting firm providing state-of-the-art toxicology, industrial hygiene, epidemiology, and risk assessment services to organizations that confront public health, occupational health, and environmental challenges. ChemRisk is seeking applicants with training in toxicology, pharmacology, the environmental sciences, risk assessment, biomedical engineering, industrial hygiene, medicine or health physics.

This position requires a Bachelor's degree in environmental or toxicological sciences. Candidates with a Master's degree in environmental sciences and a minimum of 1-3 years experience are preferred. Candidates with a background in consulting are especially desired.

ChemRisk offers an excellent benefits package, including company-subsidized medical, dental, vision, and a 401(k) Retirement Program. We are an Equal Opportunity Employer.

Please send resumes to: Human Resources, ChemRisk, 100 Spear Street, Suite 525, San Francisco, CA 94105 or hr@chemrisk.com. Visit us on the Web at <http://www.chemrisk.com>, or contact us by phone at (415) 896-2400, or fax (415) 896-2444.

[Access SOT On-Line Career Resource and Development Services](#)



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