

ONLINE



Communiqué

Winter Issue 2007

News in This Issue

President's Message

SOT continues to plan for the future. The last President's Message provided a reminder of the activities of the Strategy Committees whose efforts are important for developing a viable and exciting future for toxicology. The second activity that has progressed substantially over the last year is the development of plans for an SOT Endowment.

The Endowment has been established for several different reasons, only two of which will be mentioned here. The additional funds that can ultimately be generated from an endowment will allow the Society to provide further services to the membership that would not be possible from current resources. The Endowment also provides an opportunity to all members to "give back" to the Society and profession that have provided us with rewarding careers and enhanced our professional horizons.

Since previous communications have outlined the proposed structure and general operating policies for the future Endowment, these aspects will not be repeated. I do want everyone to know of the extensive work that has gone into the development of the Endowment plan.

Council has been discussing the possibility of an SOT Endowment for a number of years. While there has always seemed to be general agreement that an Endowment should be established, there were numerous questions regarding structure, purpose and governance that had to be carefully considered. While significant progress had previously been made in prior discussions, member feedback on original Endowment proposals led to establishment of an SOT Endowment Implementation Task Force in early 2005 to address a number of critical points that had to be resolved for a successful future endowment. The various documents, including the proposed By-Laws changes that you recently received on which to vote, has been a product of the this Task Force that was Chaired by **Glenn Sipes** and included the thoughtful contributions of the other members including **Jacqueline Smith, James Klaunig, Rick Schnellmann** and **Roger McClellan** with **Norbert Kaminski**, SOT Treasurer, serving as a Council Liaison. This very able Task Force deserves the appreciation of the entire SOT as the Task Force has achieved their objective of defining the establishment of an SOT Endowment. If the proposed By-Laws change to add an Endowment is approved by the members, the Task Force will be replaced by an Endowment Board as specified in the proposed By-Laws changes.

I ask that you be watching for the next step in the development of the SOT Endowment and participate in the future of the Endowment.

James A. Popp, D.V.M., Ph.D.

2006–2007 SOT President

Upcoming Elections — 2007

Ballots for the election of Council Officers and elected standing committees will be sent *via* e-mail to Full Members and Retired Full Members by December 30, 2006. Offices to be filled include the Vice President-elect, Secretary-elect, two Councilors, two Membership Committee Members, two Education Committee Members, four Awards Committee Members, and four Nominating Committee Members.

If you are a Full Member, please vote on-line on or **before February 1, 2007**, or if you vote by paper ballot, fax the signed cover sheet and ballot according to the fax number on the form. The results of the election will be announced via e-mail in late February, as well as at the 2007 SOT Annual Meeting in Charlotte, North Carolina.

Sign Up for Special Interest Groups

One of the strategic goals of the Society is to increase the diversity and inclusiveness of the organization, and SOT promotes and facilitates the formation of subgroups of members with a common ethnicity, country of origin, and gender. Thus far, five Special Interest Groups (SIGs) have been established to promote the recruitment of toxicologists who share a common interest in toxicological research issues germane to their community. The overarching goals of these groups are to develop, propose, and conduct programs and educational activities that promote career development opportunities for toxicologists — and to promote and recognize the accomplishments of toxicologists from within each SIG. Members in good standing of SOT can become members of SIGs upon payment of dues. Students and postdoctoral fellows receive the first SIG at no cost.

The Special Interest Groups that have formed include the following:

- American Association of Chinese in Toxicology
- Association of Scientists of Indian Origin
- Hispanic Organization for Toxicologists
- Korean Toxicologists Association in America
- Women in Toxicology

Although the individual focus of each SIG may differ, all these groups have the objectives of:

- Promoting fellowship and interaction among the scientists of each group,
- Facilitating networking and professional development among professionals in toxicology and related sciences,

- Developing, facilitating, and conducting collaborative activities in toxicology, and
- Acting as a resource to the SOT in the area of toxicology as it relates to the specific interest of each SIG.

You may sign-up for one or more of the Special Interest Groups at any time by going to the [SOT Membership Renewal](#).

SOT Has Funding Available for Teleseminars

SOT Council has approved funding to provide the Regional Chapters and Specialty Sections with support for a total of six teleseminars to be made available to the national SOT membership.

Teleseminars are recognized as a popular and successful method of distance learning. The chapters and sections are encouraged to work with prominent toxicologists and related scientists who can present virtual seminars accessible to participants via telephone and computers. Speakers also can field questions from their virtual audience. Recent teleseminars, such as those organized by the Ohio Valley Regional Chapter (OVSOT), have attracted participants from across the nation.

The OVSOT program has been underway for several years and has been highly effective. Its record of success, and the expressed interest of others in implementing a similar program, guided Council in expanding this opportunity to others. For example, on May 11, 2006, over 90 call-in lines were used to connect to the OVSOT-organized teleseminar on “Cellular Response to Endogeneous Oxidative Damage.” Frequently, these call-ins are initiated from conference rooms with several people in attendance at each location. An analysis of the call-in numbers revealed that not only was participation from the region strong, but also that the majority of participants were linking in from points far away from the region.

Proposals for teleseminar funding are reviewed and approved by the Regional Chapter Funding Subcommittee. For additional information and to submit a proposal, contact [Shawn Lamb](#).

SOT CCT Symposium Addresses Perfluoroalkyl Acids Research Needs

The SOT Contemporary Concepts in Toxicology (CCT) symposium entitled: “Perfluoroalkyl Acids and Related Chemistries: Toxicokinetics and Mode-of-Action Workshop” will be held February 14-16, 2007, at the Westin Arlington Gateway in Arlington, VA. The perfluoroalkyl acids (PFAA) and their salts, such as perfluoroalkyl sulfonates and their derivatives, perfluoroalkyl carboxylates, and telomer alcohols and their derivatives, are important chemicals that have wide consumer and industrial applications. However, recent discoveries of their global distribution, environmental persistence, presence in humans and wildlife, as well as adverse health effects detected in laboratory animal models, have generated considerable scientific, regulatory, and public interest on an international scale. Several national and international regulatory bodies, including those from Canada, Germany, OECD, Sweden, the UK, and USA, are currently assessing the toxicological hazards and potential health risks of certain PFAA.

The three-day workshop will: (1) provide an overview of PFAA toxicity and description of recent

findings with the sulfonates, carboxylates, and telomer alcohols; (2) address the toxicokinetic profiles of various PFAA among animal models and humans, and the biological processes that are responsible for these toxicokinetic observations; (3) examine the possible modes of action that determine the toxicities observed in animal models and their relevance to human health risks; and (4) identify the critical research needs and strategies to fill the existing informational gaps that hamper risk assessment of these chemicals.

Individuals conducting research on toxicology, pharmacokinetics, biomonitoring, and health risk evaluation of perfluorinated organic chemicals are encouraged to submit abstracts for presentation during the February 14–15, 2007 Poster Session. All PFAA topics are welcomed. **Abstract submission will close on January 8, 2007.** Please submit according to the instructions below.

[View the agenda or submit an abstract.](#)

The CCT symposium is sponsored by 3M, DuPont, Plastics Europe, US EPA, and Society of Toxicology

International Congress of Toxicology Student Travel Award Available Through TEF

On behalf of the Toxicology Education Foundation (TEF), SOT is providing you with information about the Robert L. Dixon International Travel Award that is offered every three years. This award will provide \$2,000 to enable the recipient to attend the [International Congress of Toxicology XI](#) in Montreal, Canada, July 15–19, 2007.

This award is open to those enrolled in full-time Ph.D. study in the area of reproductive toxicology. Additional information and an application are available on the [TEF Web site](#).

Big Changes for R01 Applicants

New Forms and Process for NIH R01 Grant Application Submissions for Feb. 2007 Receipt Dates and Beyond!

The National Institutes of Health (NIH) will transition to electronic R01 applications using the new SF424 (R&R) form set for the February 5, 2007 receipt date and beyond. Please make sure your institution is registered at both [Grants.gov](#) and [eRA Commons](#). In this regard, NIH has started a communication campaign to ensure all potential applicants are aware of these important changes. The [November issue](#) of the [NIH Extramural Nexus](#) was devoted to this topic. Also, NIH is encouraging use of the [training](#) and [outreach resources](#) on the [Electronic Submission](#) of Grant Applications Web site to help spread the word.

For the new February 5, 2007, receipt date and beyond:

- NIH will require electronic application submission for all R01 applications—NO MORE PAPER!
- Submission involves a new application form. The new SF424 (R&R) form set contains the

same information, but has a very different look and feel. Try it out before it's time to submit.

- Prepare yourself now! See [Tips](#) for Investigators to learn how.
- The new process changes the approval and submission procedures within your institution. Work with your central grants office to learn how your institution is handling the changes.
- NIH continues to welcome unsolicited, investigator-initiated applications; use the [R01 Parent Announcement](#).
- Check out the training resources available at <http://era.nih.gov/ElectronicReceipt/training.htm>.
- Learn about available options for Macintosh users at http://era.nih.gov/ElectronicReceipt/files/mac_options.htm.
- Take advantage of the eRA Commons [Web support ticket system](#) for quicker service when seeking help.
- Subscribe to [NIH Electronic Submission listservs](#) to stay informed.

The [NIH Electronic Submission of Grant Applications](#) Web site is a great resource for up-to-date information.

Annual Meeting Information

Increase Your Involvement — Volunteer to Help with SOT Activities

No matter your interest, you can increase your involvement with SOT by volunteering to help with SOT programs and activities. You are encouraged to take the first step by offering your assistance at the 2007 Annual Meeting in Charlotte, North Carolina. For example, you could host an undergraduate student, serve as a toxicology expert during an informal graduate student lunch, mentor a K–12 teacher, or serve as a greeter. Moreover, you might be asked to serve on an SOT committee, or work on a committee project as an *ad hoc* member. If you would like more information about any of the SOT Committees, please go to the [SOT Committee section](#). Don't hesitate to contact SOT leadership about your interests by using the [On-Line Volunteer Form](#).

If you volunteered last year, but were not appointed (due to limited appointments), please sign up on the volunteer site this year to reaffirm your interest.

SOT Undergraduate Education Program: Volunteer Opportunities for Students, Postdocs, and Other Scientists at the SOT Annual Meeting

Graduate students, postdocs, and other scientists make an important contribution to the SOT Undergraduate Education Program by serving as mentors for the three-day program, March 24–26, 2007, at the SOT Annual Meeting. During this time, the undergraduate participants are organized into groups, each led by a scientist Host-Mentor and graduate student Peer-Mentor. The Undergraduate Education Program is organized by the Committee on Diversity Initiatives (CDI). SOT's support for the Undergraduate Education Program for Minority students is supplemented by funding from NIH-MARC grant 2 T36 GM08397, Chevron-Phillips, Covance, Integrated Life Sciences, Johnson & Johnson Pharmaceutical Research & Development, L.L.C., Pfizer, and others. We appreciate all the SOT members and other supporters who make this program possible.

To volunteer, please contact CDI chair **Vicente Santa Cruz** or [Betty Eidemiller](#) at SOT Headquarters.

Experts Needed for “Lunch with an Expert” in Charlotte

The Lunch with an Expert opportunity continues at the SOT Annual Meeting in Charlotte. SOT members are encouraged to sign up to serve as an Expert before January 15 using the [on-line LWAE Registration Form](#). The Expert selects the site for breakfast or lunch and meets with a small group of students matched by scientific interests for informal discussion. Each participant pays for his or her own meal. Students and postdoctoral fellows can sign up using the same form.

Paracelsus Hops the Bus to bring Toxicology to North Carolina Classrooms



The Committee on K–12 Education will sponsor two teacher workshops on March 27 during the SOT Annual Meeting. Since 1996 SOT has provided "Paracelsus Goes to School" activities to bring toxicology concepts to K–12 students, primarily through teacher development workshops. We plan to provide curriculum enrichment for up to 80 teachers in North Carolina, with one workshop for high school and the other for middle school teachers. The Committee is also planning a toxicology event with middle school students at a facility providing activities during the school holiday

on Friday, March 23.

Come see the [DESTINY](#) bus at ToxExpo in the Charlotte Convention Center, Tuesday, March 27! The DESTINY bus is outfitted as a high technology lab for 24 students and goes to schools all over North Carolina to provide research-based lab experiences for students as well as training for teachers. Portions of the high school workshop will be conducted on the DESTINY bus and meeting registrants can tour the bus as well.

The high school workshop will feature the toxicology curriculum *The State We're In: Science, Citizenship and the Effects of Environmental Toxins in NC*. This module was developed by the UNC-Chapel Hill DESTINY program after staff member Betty Brown participated in the 2005 Paracelsus workshop in New Orleans. Teachers will conduct bioassay experiments using *Daphnia* as an index species to assess what would be considered a harmful level of a toxic chemical. Their experimental data and other information will be used to develop presentations in support of clean-water legislation for North Carolina's mountain, piedmont, and coastal region. The curriculum is aligned with state and national science education standards.

The middle school workshop, held on the same day and also targeting as many as 40 teachers, will highlight the interplay between human health and the environment, using asthma and lead poisoning as learning platforms and materials developed by the National Institutes of Health (NIH), the University of Washington NIEHS Center for Ecogenetics and Environment Health, and Project Learning Tree. These materials are also aligned with state and national science education standards. The Community Outreach and Education Program (COEP) of UNC-Chapel Hill's Center for Environmental Health and Susceptibility and UNC-Charlotte Center for Mathematics, Technology and Science Education will lead the middle school workshop.

The teachers in both workshops will attend the special issues session *Scientific and Ethical*

Considerations in Human Exposure as well as visit ToxExpo™.

Kathleen Gray of UNC Chapel Hill COEP is the local organizer. Others participating are the UNC-Charlotte Center for Mathematics, Technology and Science Education and the Office of Environmental Education, NC Department of Environment and Natural Resources. SOT member volunteers will help conduct these activities. Contact Melissa Rhodes or Kathleen Gray *via* sothq@toxicology.org if you are interested in volunteering.

Value-Added Exhibitor Opportunities – A Click Away

[ToxExpo™](#) is the largest event of its kind and the 46th Society of Toxicology Annual Meeting and ToxExpo will attract over 6,100 of the world's leading scientists, executives, and decision-makers. Attendees will have the opportunity to see the cutting-edge technology and services available on the market today, as well as attend the SOT Annual Meeting where they can participate in sessions on the latest scientific developments.

To maximize the return on your investment, you may decide to choose from an entire [menu of sponsorship opportunities](#) on the ToxExpo™ Web site designed to assist your organization in taking a leadership position in the 2007 exhibition. An array of pre- and post-show promotions will help draw attendees to your booth from many meeting venues as well as providing recognition for you company during the Annual Meeting.

Contact [Judy Brazel](#), (703) 438-3115, to become an exhibitor and sponsor today!

SOT Helps Facilitate and Promote Ancillary Events

All requests for hospitality suites and ancillary meetings must be approved by SOT Headquarters. To reserve a meeting room, please complete an ancillary meeting space request form or contact [Heidi Prange](#). Ancillary functions may only be hosted by SOT Affiliates, exhibitors, or organizations affiliated with SOT. Hospitality suites and ancillary meeting space book fast, so send your Ancillary Meeting space request form now. **Forms should be returned as soon as possible to ensure that events information will be published in the SOT Program.**

Please note that hospitality functions or ancillary meetings may NOT be scheduled during the following SOT events:

- Sunday, March 25, 8:00 AM–12:00 NOON & 1:00 PM–5:00 PM, Continuing Education;
- Sunday, March 25, 5:00 PM–7:30 PM, SOT Awards Ceremony and Welcoming Reception;
- Monday, March 26, 8:00 AM–12:15 AM, and Tuesday–Thursday, March 27–29, 8:00 AM–12:00 NOON, Morning SOT Scientific Sessions;
- Monday–Wednesday, March 26–28, 1:30 PM–4:30 PM, Afternoon SOT Scientific Sessions; and
- Tuesday, March 27, 4:30 PM–6:00 PM, SOT Annual Business Meeting.

Once the function has been approved, SOT will send confirmation that your form was received. Your request will be forwarded to the hotel of your choice and the hotel will contact you for your meeting

requirements.

The hotels are not permitted to book meeting space without SOT approval.

SOT Offers Annual Meeting Room Sharing Resource

Registered for the SOT Annual Meeting but still looking for someone with whom to share a hotel room? SOT has established a registry so that you can make contact with those interested in containing meeting costs by room sharing. Select the [Room Sharing Program](#) (you must be registered for the meeting to access) on the SOT Web site. Add your name to the list or view those who have already signed up. The service is available to each meeting registrant who voluntarily enrolls in the program and accepts the terms of the legal disclaimer. Each participant in the program will communicate with a potential room sharer, and together they will work out an agreement for lodging. Once you have a match, please remove your name from the list.

This is one more way that SOT fosters professional development and networking within the greater toxicology community.

Driving to Charlotte? Share a Ride!

SOT is offering a Ride Sharing program in conjunction with the Annual Meeting. One of the many great things about Charlotte, North Carolina, is how close it is to the work place for many toxicologists. Avoid airport hassles and drive, and make it easier for other scientists to attend by sharing rides. Students especially appreciate ways to make the meeting even more economical.

Once you have registered for the Annual Meeting, you can access the [Ride Sharing program](#). You can indicate whether you want to drive or be a passenger, and then see a list of others who have signed up. It will be up to you to match your plans with someone else whom is registered, and then to remove your names when you have travel plans in place.

SOT Annual Meeting Internet Access

SOT knows the importance of staying connected to your daily activities while attending the Annual Meeting and provides you several ways to access the Internet.

Computers Available at the Convention Center: This year SOT has significantly increased the number of computers provided for you can use to access the Internet. These computers are available to attendees in the Exhibit Hall and the Message Center, Level 2 of the Convention Center (top of the Grand Staircase).

Wireless Access: Designated areas “hot spots” in the Exhibit Hall and the Message Center will be clearly marked for laptop and handheld users to access the Internet via the Wi-Fi network at the Convention Center. Look for Wi-Fi network access instructions and locations in the *Program* and *ToxExpo Directory* or on the SOT Web site.

Internet Docking stations: Stations in the Exhibit Hall and the Message Center will be available for you to connect to the Internet using your laptop.

SOT Annual Meeting Message Center

Once again this year, the SOT Annual Meeting Message Center is web-based and is provided to help you stay connected to your colleagues during the Annual Meeting. Due to popular demand, SOT has increased (doubled) the number of computers available on-site this year. SOT members, 2007 Annual Meeting attendees, and Career Resource and Development (CRAD) Job Bank registrants can access the Message Center on the SOT Web site to send and receive e-mail messages during the 2007 Annual Meeting—just like a standard e-mail application. The difference?... the 2007 SOT Annual Meeting Message Center gives you a unique mailbox without you having to provide your personal e-mail address to correspondents.

Two large screens at the Message Center will display the names of attendees who have unread messages. The service will also send you an e-mail alert when you receive a message.

Available 24/7, access to the Message Center is available any time of day and from any computer with an Internet connection, before, during, and after the 2007 Annual Meeting (March 1 through April 1). Simply visit the SOT Web site and follow the Message Center link from the homepage.

Additionally, the Message Center provides extended communication permitting members and CRAD registrants who do not attend the meeting to communicate with attendees. Even colleagues and family members can e-mail messages into the center.

The Annual Meeting Message Center will be available March 1 through April 1, 2007.

Pre-Registration Encouraged for the On-Site 2007 Annual Meeting Job Bank Center

The Society's Career Resource and Development (CRAD) on-line [Job Bank](#) makes it easy for candidates and employers alike to access this year-round service any time, any place from the SOT Web site. All users with current registrations at the time of the SOT Annual Meeting can use the Job Bank Center, located at the Charlotte Convention Center (see schedule below). Electronic innovations will allow greater access to the CRAD Job Bank and messaging services. Registered employers and candidates are able to:

- Post resumes,
- Post position descriptions,
- Communicate with candidates/employers,
- Schedule interviews, and
- Send/retrieve messages electronically.

The CRAD Message Center facilitates contact between candidates and employers and also offers interview areas at the SOT Annual Meeting. Neither employers nor candidates need to be present at the meeting; however, both are encouraged to use this opportunity for personal contact. You are not

required to register for the Annual Meeting in order to utilize the CRAD Job Bank Center. If you are a candidate attending the Annual Meeting, you are encouraged to bring multiple copies of your personal resume for interested interviewers.

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

To ensure privacy for candidates, the CRAD Job Bank Center is located away from the scientific sessions. It is up to the registrants of the CRAD Job Bank to exercise the confidentiality options that are offered. SOT is not responsible for the release of any information contained in the CRAD Job Bank database. Be advised that all career service activities at the SOT Annual Meeting will be carried out via the CRAD Job Bank Center. Only employers who are registered on the CRAD Job Bank will be allowed to advertise positions.

Charlotte Convention Center Job Bank Schedule

- Sunday, March 25, 10:00 AM—4:00 PM (All Services)
- Monday March 26, 9:15 AM—4:30 PM (All Services)
- Tuesday, March 27, 8:30 AM—4:30 PM (All Services)
- Wednesday, March 28, 8:30 AM—4:30 PM (All Services)

Career Resource and Development Seminars at 2007 Annual Meeting

The Career Resource and Development (CRAD) Committee helps to foster the Society's goal of being essential to the scientific and professional development of its members by organizing/endorsing the CRAD Seminars presented at the Annual Meeting. These diverse seminars are appropriate for scientists at different stages of their career. The 2007 SOT Annual Meeting in Charlotte, North Carolina will include the following seminars:

- Grantsmanship Forum: Funding Opportunities by NIH – Monday, March 26, 2007, 4:30 PM to 5:50 PM;
- Communicating Science: Writing for Technical and Lay Audiences – Tuesday, March 27, 2007, 1:30 PM to 4:15 PM;
- Toxicology Consultant: A Perspective – Wednesday, March 28, 2007, 7:30 AM to 8:50 AM;
- You Just Can't Focus on the Science: A Primer of Strategies to be Successful in Your New Position – Wednesday, March 28, 2007, 4:30 PM to 5:50 PM.

If you would like to suggest topics for future seminars, please contact the CRAD Committee at sothq@toxicology.org. Visit the SOT Web site for more information on these [seminars](#).

Annual Meeting Sponsorship Opportunities

Sponsorship opportunities are available for the 2007 Annual Meeting. Your sponsorship serves as

visible evidence of your organization's commitment to the science of toxicology. In addition, your sponsorship provides an opportunity for you to increase overall awareness of your company to SOT members and 6,000 Annual Meeting attendees. As a sponsor, your company will be featured in post-meeting newsletters, the ToxExpo™ Directory, premeeting publications, on-site meeting registration materials, and the SOT Web site. In addition, acknowledgement signs will group sponsors by levels of giving and will be displayed at many the SOT functions during the Annual Meeting.

Your sponsorship will help offset the cost of the following functions: Undergraduate Program, Student/Postdoctoral Fellow Mixer, Continuing Education Program, Refreshments, and the Welcoming Reception. If you are interested in SOT Sponsorship, contact Judy Brazel at SOT Headquarters: (703) 438-3115 or E-mail: judy@toxicology.org.

Diamond Sponsors:

AstraZeneca
Pharmaceuticals
Boehringer, Ingelheim Pharmaceuticals, Inc.
Bristol-Myers Squibb Company
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Companies (Centocor, J&JPRD, Tibotec)
Merck Research
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Biosoftware
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Platinum Sponsors:

Ani Lytics, Inc.
Biogen Idec

There are four levels of sponsorship available:

Diamond (over \$10,000)
Platinum (\$5,000-\$9,999)
Gold (\$2,500-\$4,999)
Silver (\$1,000-\$2,499)

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Silver Sponsors:

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EPL, Inc. (Experimental Pathology Laboratories)
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Integrated Laboratory Systems, Inc.
Novartis Vaccines and Diagnostics
Research Institute for Fragrance Materials
SafeBridge Consultants, Inc.
Society of Toxicologic Pathology
The Sapphire Group, Inc.
The Teratology Society
Toxicology Excellence for Risk Assessment

Thank you for your support!

Current 2007 ToxExpo Exhibitors

(as of December 12, 2006)

AAALAC International
AAAS/SCIENCE
ABC Laboratories, Inc.
Access Technologies
ADMET Group
ADMET Technologies
Advinus Therapeutics, Pvt. Ltd.
AEgis Technologies Group
Affymetrix
Alabama Research & Development
American Association for Laboratory Animal Science
American Board of Toxicology (ABT)
American College of Toxicology (ACT)
American Conference of Government
Industrial Hygienists (ACGIH®)
American Industrial Hygiene Association (AIHA)
Americans for Medical Progress (AMP)
Anapharm
Ani Lytics, Inc.
Anilab, Inc.
Animal Identification and Marking System (AIMS)
Antech Diagnostics
Applied Biosystems
Applied Preclinical Services
AppTec Laboratory Services
APTUIT, Inc.
BASi (Bioanalytical Systems, Inc)
Battelle
BD Biosciences
Beckman Coulter, Inc.
Bench International
Bio Medic Data Systems, Inc.
Bio-Serv, Inc.
Bioagri Pharma
BioDynamics Research, Ltd.
BioE
Biological Test Center (BTC)
Biologics Consulting Group, Inc.
BioReliance®, invitrogen bioservices
BioStat Consultants, Inc.
Biotechnics, LLC
Biotrin International
Bridge Pharmaceuticals

Bristol-Myers Squibb Company (BMS)
Burdock Group
Buxco Electronics, Inc.
C.I.T.
Caliper Discovery Alliances & Services (NovaScreen)
Calvert Laboratories, Inc.
Cambrex
CANTEST, Ltd.
CanTox Health Sciences International
Carl Zeiss MicroImaging, Inc.
Cayman Chemical
CeeTox, Inc.
Cellomics, Inc.
CellzDirect
Centers for Disease Control and Prevention
Central Institute for Experimental Animals (CIEA)
Central Toxicology Laboratory—
Syngenta (CTL)
Cerep
CH Technologies (USA), Inc. (CHT)
ChanTest, Inc.
Charles River Laboratories Clinical Services
Charles River Laboratories Library
Charles River Laboratories Preclinical Services
Charles River Laboratories Research Models & Services
ChemRisk, Inc.
CIIT Centers for Health Research
CLEA Japan, Inc.
CLEVER SYS INC.
Clinical Systems, Ltd.
Cogenics
Collexis, Inc.
Colorado Histo-Prep
Comparative Biosciences
Comparative Ophthalmic Research Laboratories
CorDynamics
Cosmetic Ingredient Review (CIR)
Covance
Covance Research Products, Inc.
CXR BIOSCIENCES LIMITED
CytoViva, Inc.
Data Integrated Scientific Systems (D.I.S.S.)
Data Sciences International (DSI)
Detroit R & D, Inc.
Development Center for Biotechnology

DiLab, Inc.
DMetrix, Inc.
Dow Corning Corporation
Durect Corporation
Ellegaard Göttingen Minipigs
Elm Hill Breeding Labs, Inc.
Elsevier
EMKA Technologies, Inc.
Environmental Health Perspectives (EHP)
Enzo Life Sciences, Inc.
EPL, Inc. (Experimental Pathology Laboratories)
Esoterix Clinical Trials Services, Inc.,
A LabCorp Company
Eurofins | Product Safety Labs (PSL)
Experimur
Exponent, Inc.
Expression Analysis
Exygen Research
Fraunhofer ITEM
GE Healthcare
Gene Logic Laboratories Inc.
Gene Logic, Inc.
Gene Tools, LLC
GeneGo, Inc.
Gentronix, Limited
GenWay Biotech, Inc.
H&T Corporation
Hamilton Company
Hamilton Thorne Research
Harlan
Hatteras Instruments, Inc.
HemoGenix, Inc.
Hilltop Lab Animals, Inc.
HistoRx, Inc.
Hitachi High Technologies America
HSRL Archives, LLC
Humana Press
Huntingdon Life Sciences
Hurley Consulting Associates, Ltd.
iAdvantage Software, Inc.
IDEXX Preclinical Research Services
IIT Research Institute (IITRI)
Illumina, Inc.
ILSI Health and Environmental Sciences Institute (ILAR)
Informa Healthcare

In Vitro Technologies, Inc.
In-Tox Products
Ina Research, Inc.
Instech Solomon
Instem Life Science Systems
Institute for *In Vitro* Sciences, Inc. (IIVS)
Integrated Laboratory Systems, Inc.
International Congress of Toxicology X (ICT-X)
International Society of Toxicology & Pharmacology (ISRTP)
IPS Therapeutique, Inc.
ISIS BioComp
ITR Laboratories Canada, Inc.
IUTOX
Jai Research Foundation International (JRF)
John Wiley & Sons
Kent Scientific Corporation
Kinder Scientific Company
Korea Institute of Toxicology (KIT)
Lab Manager Magazine
LAB Products, Inc.
LAB Research International
LABCAT
Lablogic Systems, Ltd.
Leadscope, Inc.
LHASA, Limited
Loats Associates, Inc. (LAI)
Lomir Biomedical, Inc.
Lovelace Respiratory Research Institute (LRRI)
Luxcel Biosciences
Marshall Bioresources
MB Research Labs, Inc.
MDS Pharma Services
Med Associates, Inc.
Meso Scale Discovery
Metabolon, Inc.
Metabometrix, Ltd.
Midwest BioResearch, LLC (MBR)
Midwest Research Institute (MRI)
MitoSciences Inc.
MOLTOX
Mouse Specifics, Ltd.
MPI Research
MultiCASE, Inc.
National Library of Medicine
National Toxicology Program (NTP)

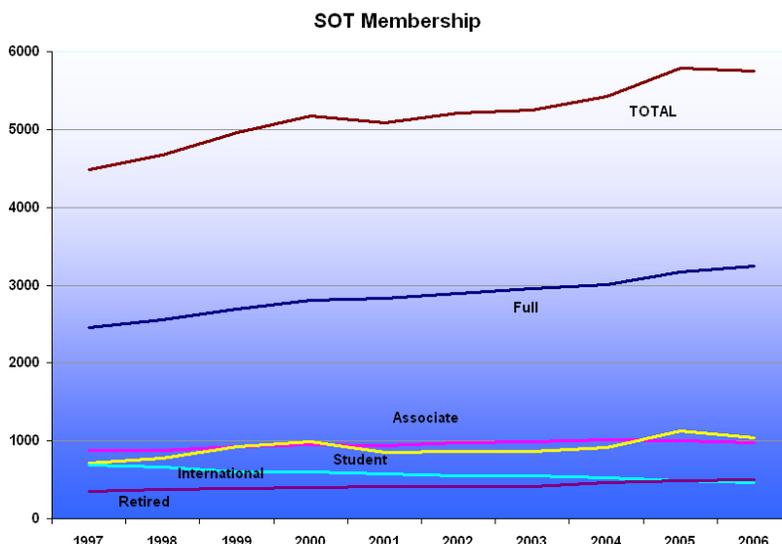
Nerviano Medical Sciences srl
NeuroScience Associates (NSA)
NIEHS (OCPL)
NOTOCORD Systems
NOTOX B.V.
NUCRO-TECHNICS
Oxford University Press
Pacific Bio Labs
Pathology Data Solutions, Inc.
Pathology Experts, LLC
Perceptive Instruments
Perry Scientific
Pfizer Global Research and Development
Pharmalytica Services
Phylonix Pharmaceuticals, Inc.
Prevalere Life Sciences
Primate Products, Inc.
Primetech Corporation
Promega Corporation
Purina Mills LabDiet
QTest Labs
RASS (Risk Assessment Summer School)
RCC, Ltd
ReCathCo, LLC
Redshift Technologies, Inc.
Research Diets, Inc.
Ricerca Biosciences, LLC
Ridglan Farms, Inc.
Rosetta Biosoftware
RTC, Research Toxicology Centre S.p.A.
RTI International
Safepharma Laboratories, Ltd. USA
SafetyCall International
SAGE Publications
San Diego Instruments, Inc.
SCIREQ, Inc. (Scientific Respiratory Equipment)
Sequani Limited
Shared Enterprises
Siemens Medical Solutions USA
Sinclair Research Center, Inc. (SRC)
Smiths Medical MD, Inc.
SNBL USA, LTD.
Society of Quality Assurance (SQA)
Society of Toxicologic Pathology
SOT — Animals In Research

SOT—K–12 Resources
SOT—Membership
SOT—RALA
Southern Research Institute
Springborn Smithers Labs(SSL)/
Synomics Pharma Services (SPS)
SRI International
STARR Life Sciences Corporation
StemCell Technologies, Inc.
Stillmeadow, Inc.
Strategic Applications, Inc. (SAI)
Suburban Surgical Company
SuperArray Bioscience
Systems Pathology Company, LLC
Taconic
Taylor & Francis
Tecniplast
The Baker Company
The Leyden Group
TNO
Tox Monitor/BSR, Inc.
toXcel, LLC
Toxicology Excellence For Risk Assessment (TERA)
Toxicology Regulatory Services (TRS)
Toxicology Research Laboratory (TRL)
Toxikon Corporation
ToxServices, LLC
Trevigen, Inc.
TSE Systems, Inc.
TSI, Incorporated
U.S. Environmental Protection Agency
U.S. EPA, Office of Research and Development
Veritox, Inc.
VisualSonics
Vitrocell Systems
Vitron, Inc.
VivoMetrics, Inc.
WIL Research Laboratories
Wildlife International, Ltd.
Xenobiotic Detection Systems
Xenometrix/Aniara
XenoTech, LLC
Xybion Medical Systems

Regular Features

Member News

SOT Membership Trends—A Decade of Growth



The Society continues its upward growth—attracting and retaining members throughout their career.

Jack Dean Receives French Legion of Honor Award

Jacques Chirac, President of the French Republic, named **Jack Dean** a “Chevalier de la Legion D’Honneur” (Knight of the Legion of Honor). The formal presentation was made on September 12, 2007, at a reception at sanofi-aventis headquarters in Paris. CEO, Mr. Jean-Francois Dehecq, presented the award to Dr. Dean, who retired as the President, U.S. Science and Medical Affairs, sanofi-aventis and Global Director of Preclinical Development.

A letter to Dr. Dean from French Ambassador to the U.S. Jean-David Levitte, noted that “This award testifies to the President’s high esteem for your merits and accomplishments. In particular, the President would like to acknowledge your invaluable contribution to medical research and your energetic commitment to the expansion of French pharmaceutical research in the United States.”

Dr. Dean served as SOT President and was the first



Gerard Le Fur, Suellen Dean, Jean-François Dehecq, and Jack Dean.

recipient of the Immunotoxicology Specialty Section Lifetime Career Achievement Award. He is a Diplomat of the American Board of Toxicology and a Fellow and Executive Committee member of the Academy of Toxicological Sciences. He holds a BS in microbiology and an MS in medical microbiology from California State University at Long Beach. He earned a PhD in molecular biology, with a minor in biochemistry, from the University of Arizona (UA) at the Health Sciences Center. In 2005, UA bestowed upon him an honorary Doctor of Science degree. He has edited seven books and published 228 journal articles and book chapters.

John Thomas Receives FDA Commissioner's Special Citation

Dr. John A. Thomas was awarded the Food and Drug Administration (FDA) Commissioner's Special Citation for his role as a member of the External Scientific Peer Review for the FDA Office of Regulatory Affairs Pesticide Programs. Dr. Thomas serves as the Co-Chair of the committee charged with evaluating the FDA's pesticide programs in various laboratories through the U.S.

SOT Members Receive ATS Fellow Designation

Five SOT Members were certified as Fellows of The Academy of Toxicological Sciences (ATS) and four others were recertified.

New Fellows include the following:

David C. Dorman
Bruce J. Kelman
James C. Lamb
Merle G. Paule
MaryJane K. Selgrade

The recertification process was completed by the following:

Raymond D. Harbison
Jim E. Riviere
Mark G. Robson
Tetsuo Satoh

Eye On CDI

Over the past decades the annual SOT Undergraduate Education Program, organized by the Committee on Diversity Initiatives, has had a meaningful impact on the careers of many members of our Society. **Donald Kirkpatrick** is a great example of an individual who took advantage of this Program and continues to contribute to its success.

Name: **Donald Kirkpatrick**

Current Position: Postdoctoral Fellowship: Harvard University

CDI Undergraduate Education Program for Minority Students Honoree: 1997

Education/Experience:



BS in Biochemistry, University of Oklahoma

Ph.D. in Pharmacology and Toxicology, University of Arizona

My research career began as an undergraduate at the University of Oklahoma when I was selected to attend the Society of Toxicology (SOT) Annual Meeting through the Minority Undergraduate Education Program. Participation in this program played a formative role in my career development. Despite being an undergraduate in the field of biochemistry, I had never considered pursuing a PhD and felt certain that my career would not involve laboratory-based research. Through that meeting I met several scientists who changed this view and became mentors throughout the early part of my career. Two scientists who greatly influenced me during this period were Drs. **Peter Smith** and **Julio Davila**, then of Searle Pharmaceuticals. The summer following my first SOT meeting, I worked with them as an intern during an exciting period when the company's new COX2-inhibitor, celecoxib, was about to reach the market. As I learned how to isolate and culture primary rat hepatocytes for drug metabolism and gene expression studies, research in Dr. Davila's group proved to be both exciting and fulfilling. After graduation, I returned to Dr. Davila's group for a second summer to study pancreatic toxicity. Because I was interested in understanding how drug toxicity and environmental chemicals damaged cells and tissues, I chose to pursue a Ph.D. degree in the area of Pharmacology and Toxicology at the University of Arizona (U. of A.).

After completing research rotations in the Pharm/Tox Department at the U. of A., I chose to join Prof. **Jay Gandolfi's** laboratory. His lab was interested in trying to unravel the complex mechanisms underlying carcinogenesis caused by low-level arsenic exposure. I became aware that perturbations in the ubiquitin-proteasome pathway are associated with every major category of human disease ranging from proliferative disorders such as cancer to degenerative conditions such as cardiovascular and neurodegenerative diseases. I continued my involvement with the SOT Undergraduate Program throughout my graduate career (1998-2003).

Because technological breakthroughs in the area of mass spectrometry based proteomics offered an unrivaled opportunity for systematic characterization of the ubiquitin system, I sought out and was fortunate to secure a postdoctoral position in Prof. Steven Gygi's laboratory at Harvard Medical School. When I joined Prof. Gygi's laboratory in the summer of 2003, my goal was to become an expert in the process of identifying and quantifying proteins by mass spectrometry. At that time, the lab had just published its landmark study using proteomics to characterize protein ubiquitination and was in the final stages of developing the AQUA (Absolute Quantification) method for measuring the abundance of cellular proteins. For my primary project I bridged these two areas, developing the Ubiquitin-AQUA method. Using this method we are now gaining a better understanding of how ubiquitin controls cellular processes associated with both cancer and neurodegenerative disease. This work has offered me the opportunity to travel and speak at a number of international meetings, including the American Association of Mass Spectrometry (2004 & 2005), the Association of Biomolecular Resource Facilities (2006), and a FASEB Summer Research Conference- Ubiquitin (2006).

As I prepare to lead my own research group, I intend to apply cutting-edge mass spectrometry to address how proteotoxic perturbations of the ubiquitin-system contribute to the development and progression of cancer and neurodegenerative disease. I hope that my work will give me the opportunity to continue my involvement with SOT education programs in the years to come.

Postdoctoral Assembly Board Convenes for 2nd Annual Off-Site Meeting

Kristen Mitchell, *Postdoctoral Assembly Councilor*

Members of the SOT Postdoctoral Assembly (PDA) Board met near Washington D.C. on October 3rd for their second annual off-site meeting. General topics under discussion were the creation of new networking and leadership opportunities for postdocs within the Society and making plans for the 2007 Annual Meeting to be held in Charlotte, North Carolina. Some of the key issues discussed during the meeting are highlighted below:

- SOT Council is moving forward with the PDA's request to establish a new membership category for postdocs. Adding a new category will require the SOT membership to approve a change in SOT By-Laws, and implementation would be in the 2008 dues year. Postdoctoral researchers (D.V.M., Ph.D., or M.D.) with an interest in toxicology and under the direction of a research mentor will be eligible. The membership can be maintained for up to six years. The annual dues will be \$35.
- The PDA will be sponsoring a new award to be given to postdocs who have published exceptional peer-reviewed scientific articles within the past year. Cash awards and plaques will be awarded to the winners during the Postdoctoral Luncheon, which will be held at the Annual Meeting on Wednesday, March 28, 2007. Nominations must be received by December 15, 2006, for manuscripts that were accepted between June 1, 2005, and May 31, 2006. Additional information will be available on the PDA Web site.
- With the leadership of Career Research and Development committee, the PDA will co-sponsor a mentoring program in which interested postdocs will be matched with more senior scientists working in industry, government, and academia. The intention of the mentoring program is to provide postdocs with pertinent information and personal perspectives related to early career development.
- As a unique way to recognize postdocs and to promote the recognition of the PDA within SOT, all postdocs with current membership status will be provided with lapel pins to wear at the Annual Meeting in Charlotte. Pins can be picked up during the Sunday evening Student/Postdoc Mixer or at the Membership Booth during the meeting.
- The PDA is encouraging all Specialty Sections, Regional Chapters, and Special Interest Groups within SOT to consider electing a postdoctoral representative to facilitate the exchange of information, ideas, and concerns between postdoctoral scientists and SOT. Having a postdoc representative from each section, chapter or group would provide opportunities for postdocs to assume leadership roles and increase their involvement in SOT, which would likely impact the future retention of talented scientists as SOT members.

Web Watch

SOT Launches Forum to Promote Peer Communication

SOT's networking forum is an on-line service designed for interactive discussions with your peers. Our forum is designed to improve communication among like-minded members, offer a forum for exchanging ideas, and allow you to benefit from the experience, knowledge, and wisdom of your peers.

The SOT forum topics cover a variety of issues including: Scientific, Legislative and Regulatory, News and Current Events, Global Concerns, Postdoc and Student Interests, and Miscellaneous. The forum is open for all to view the discussions, while contributing is limited to members only. As a result, a large number of people can benefit from or contribute to the discussions. Feel free to use this [forum](#) to ask questions, express your opinion, and spread relevant information.

Watching Washington

Send SOT Your Suggestions for Future Congressional Science Briefings

The Regulatory Affairs and Legislative Assistance Committee (RALA) seeks the input of SOT members for topics that can be developed into Congressional Science Briefings (CSBs). RALA organizes 60-90 minute briefings on Capitol Hill in Washington, D.C., primarily to enhance the visibility of SOT as an important science resource to members of Congress and their staff. The most recent briefing was conducted on "[Evaluating Environmental and Human Health Risks from Nanomaterials](#)" on September 7, 2006.

The overall goals of SOT for the CSBs are to serve as an educational resource for members of Congress and staff members on important and emerging issues related to toxicology, and to foster an understanding and appreciation of the value of toxicology as a scientific discipline within the context of public policy decision-making. Please send your ideas to [Marcia Lawson](#) at SOT Headquarters.

Specialty Sections

Learn More about TEPSS

The Toxicologic and Exploratory Pathology Specialty Section (TEPSS) is a dynamic group that seeks to apply current advances in experimental pathology to regulatory policy and risk assessment practices. Last year, TEPSS was involved in sponsorship of five scientific sessions and five continuing education courses, spanning diverse topics such as correlating pathological endpoints to toxicogenomics data, investigation of mode of action in hemangiosarcomas, and neuropathology for the toxicologist. The spring meeting in San Diego was an exciting one, with presentations given by the three 2006 student travel award winners. Each winner received \$1000 and an engraved plaque. Last year, TEPSS officers also instituted a policy of visiting the posters of all student travel award applicants, so everyone had a chance to network with potential colleagues from government, academia, and private industry. The deadline is January 16th to apply for the 2007 student travel award. [Application details](#) can be found on the Web site or by contacting [Mark Cartwright](#) or [Alison Hege](#).

Regulatory and Safety Evaluation Specialty Section's Great Debate

Ten Years after the Food Quality Protection Act: Healthier Children or Unnecessary Burden?

This debate will be presented during the Regulatory and Safety Evaluation Specialty Section Reception on Monday, March 26, 2007, from 6:00 PM to 7:30 PM.

Experts in this topic will present different perspectives on whether the Food Quality Protection Act (FQPA) has afforded quality health protection of children or has resulted in an unnecessary burden that has increased the use of animal testing and increased the cost and time in data development and assessment. Speakers will include the following:

Introduction/Background: **Dr. Vicki Dellarco** (USEPA)

Pro FQPA Position: **Dr. Penelope Fenner-Crisp** (USEPA-Retired)

Con FQPA Position: **Dr. James Bus** (DowAgro)

Neutral Position: **Dr. Elaine Faustman** (University of Washington)

On August 3, 1996, FQPA was signed into law. Effective on signature, FQPA significantly amended the Federal Insecticide, Fungicide, and Rodenticide Act and the Federal Food, Drug, and Cosmetic Act. Among the changes, FQPA established a more stringent safety standard for pesticide residues in food, heightened protection of the health of children, and mandated consideration of cumulative effects of pesticides with common mechanisms of toxicity. FQPA has significantly influenced and changed risk assessment and data requirements for the registration of pesticides, as well as risk management and mitigation decisions. There is no doubt that implementation of FQPA has been an ambitious, controversial and complex undertaking. Implementation of this legislation has restricted or eliminated the agriculture and consumer uses of many pesticides.

In Memoriam

In Memoriam

James W. Barnett, Jr.

Kalyan Sundaram

Domingo M. Aviado

Placement Ads

Position: Assistant Professor of Invertebrate Ecotoxicology

Department of Environmental Sciences

University of California, Riverside

DATE AVAILABLE: July 1, 2007

RESPONSIBILITIES: This 9-month, tenure-track position involves teaching and research. Teaching responsibilities include undergraduate and graduate-level courses in ecotoxicology and aquatic toxicology. The appointee will direct graduate students in programs in Environmental Sciences and/or Environmental Toxicology. S/he will be expected to develop and implement an independent creative, visible, and extramurally funded research program in aquatic ecotoxicology. This individual will study the effects of toxicants on aquatic organisms, with an emphasis on pelagic or sediment-dwelling invertebrates. Candidates with a strong mechanistic background in ecological risk assessment strategies, rapid bioassessment protocols, experience in triad toxicity testing for risk characterization studies and/or interests in community or food web structure are encouraged to apply. Opportunities exist to cooperate with other faculty in multidisciplinary studies of the transport, fate, and ecological impacts of contaminants in aquatic ecosystems (<http://envisci.ucr.edu>).

QUALIFICATIONS: Candidates must have a Ph.D. or equivalent degree with strong training and demonstrated research productivity in aquatic ecotoxicology or a closely related field. Candidates must possess a strong commitment to teaching excellence at the undergraduate and graduate levels, and prior teaching experience is highly desirable.

APPLICATION PROCEDURES: Candidates should submit a curriculum vitae, a statement of teaching and research interests, transcripts, names and addresses of at least three references, and any supporting documentation to Daniel Schlenk, Chair, Aquatic Ecotoxicology Search Committee, Department of Environmental Sciences, University of California, Riverside, CA 92521. Review of applications will begin January 10, 2007 and the position will remain open until filled. Salary is commensurate with education and experience.

The University of California is an equal opportunity-affirmative action employer.

Call for Applications for Editor-In-Chief, The International Journal of Toxicology

Dr. Harihara Mehendale will complete his tenure as Editor-in-Chief (EIC) of the **International Journal of Toxicology (IJT)** on December 31, 2008. During his tenure the Journal has provided a forum for the members of the American College of Toxicology (A.C.T.) to publish papers dealing with the science of toxicology related both to industrial chemicals and therapeutic entities. The **IJT** fulfills an important niche for mammalian toxicology and has achieved a reputation as a highly visible journal with rapid communication. During Dr. Mehendale's editorship, the **IJT** has continued to expand its publication, has attained MED-LINE listing and has experienced an improving Scientific Information Impact Factor.

The Publication Committee now solicits applications for the position of EIC for the **IJT** from members of the College and from other interested toxicologists. The EIC will formally assume responsibilities on or about January 1, 2009, but must be prepared to begin transition to the new editorial task early in the fall of 2008. The Publications Committee seeks an EIC who can ensure a

continuation of scientific effort commensurate with a high quality publication and one that supports the missions of A.C.T.

Please send applications (preferably electronically), including curriculum vitae and general statement of interest, or nominations, to arrive no later than February 1, 2007 to:

Dr. Mary Ellen Cosenza, Chair, EIC Search Committee

E-mail: mcosenza@amgen.com;

or mail to Dr. Mary Ellen Cosenza, Amgen Inc.,

One Amgen Center Drive, Mail Stop 38-4-C, Thousand Oaks, CA91320

Applications of candidates will be reviewed by the Search Committee in Winter of 2007. Finalists must be available for interview or a conference call. Qualified applicants with questions regarding the EIC should contact Dr. Cosenza at mcosenza@amgen.com

Career Resource and Development Services:

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