SOT to Induct Orrenius & Parke as Honorary Members

The Society of Toxicology is pleased to announce that Drs. Sten Orrenius and Dennis Parke have been elected as Honorary members of the Society. The formal induction ceremony will occur at the 1996 Annual Meeting Awards Ceremony, Thursday, March 14.

Professor Sten Orrenius is one of the leading toxicologists in the world. His work has led toxicology into important areas of research that have been the basis for many aspects of mechanisms of action of toxic agents and our understanding of the events associated with necrotic and apoptotic cell injury and death. He has made major contributions in both teaching and research. During a research career that has produced nearly 400 scientific publications, he has hosted many Swedish and foreign scientists and has trained many outstanding Ph.D. candidates. He is a well respected spokesperson for toxicology and is a highly sought after speaker.

Since 1984, he has been Professor of Toxicology and Director of the Institute of Environmental Medicine, Karolinska Institutet. He currently serves on the editorial boards of several

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1996 SOT Award Winners

The Society of Toxicology honors the following 1996 Award Recipients:

Achievement .................................. Kenneth Ramos
Arnold J. Lehman ................................. John F. Rosen
Education ........................................... Robert Snyder
Public Communications ......................... Bruce N. Ames
Merit .............................................. Gabriel L. Plaa
Zeneca Travelling Award Lectureships
......................................................... James P. Kehr
......................................................... Rick G. Schnellmann

Board of Publications Best Paper Awards in:


The Awards Ceremony will be held on Thursday, March 14 immediately following the Awards Lecture. A new and exciting format is planned this year, and we encourage all to attend.

1996 Gordon Conference: Mechanisms of Toxicity

This summer, the Toxicology Gordon Conference will be held at New England College from July 28 through August 2. The overall focus of this conference is on molecular and cellular responses to environmental stress and includes sessions on cell cycle regulation, hypoxia inducible transcription factors, and the role of DNA methylation and nuclear structure in the regulation of gene expression. One session will feature the application of state of the art technologies in high resolution molecular imaging. Graduate Students and PostDoctoral Fellows are encouraged to attend and participate. Please contact the Conference Chair, Bill Greenlee at (508) 856-2151, Fax:(508) 856-5080, or email: greenlee@banyan.ummed.edu.

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SOT Supports BioRAP®...You Can Too

The Society of Toxicology is proud to support the national launch of BioRAP®: Biological Research for Animals and People, a middle school science curriculum enrichment resource. Visually and educationally engaging, BioRAP® stresses scientific inquiry and the benefits of biological research and covers issues ranging from product safety to cancer.

To date, BioRAP® has enjoyed success mainly in Connecticut, where it is published by Connecticut United for Research Excellence, Inc. We are pleased that BioRAP® now has an opportunity for national use and recognition through paid distribution. Please join us in supporting the national launch by encouraging your organization to purchase a resource packet for a teacher in your area. Enclosed is a sample issue of BioRAP®, as well as a BioRAP® order form.

Bylaws Revisions Proposed

The SOT Council has proposed the following revisions to the SOT Bylaws. These amendments will be discussed at the SOT Annual Business Meeting on Tuesday, March 12 at 4:30 p.m. A ballot will be mailed to Voting Members in April. If you would like to further clarification of these proposals, please feel free to contact Shawn Lamb at SOT Headquarters.

Code: (delete) add

ARTICLE FOURTH

Section 6. Continuing Education Committee. There shall be a Continuing Education Committee consisting of (six) nine members who hold no elective office. (Two) Three members shall be appointed annually for a three-year term by the President. The President shall designate the Chair.

Section 7. Regulatory Affairs and Legislative Assistance Committee. This Committee shall be the Society’s focus for activities which aid and support the scientific activities of regulatory agencies and legislative bodies. The Committee shall keep Council abreast of new developments which concern the regulation of chemicals, drugs, biologics and devices, or legislation pertaining thereto. The Committee shall report its findings and recommendations to Council.

ARTICLE SIXTH

Section 1. These dues may include subscriptions to the Society journals, under a Society policy established by Council, which shall appear on the annual dues form.

Section 4. Dues shall be assessed on a calendar year basis and shall be paid (in advance), no later than (the preceding) December 15 of the preceding year. Dues unpaid on December 15 shall remain due and payable in full (but payment thereafter shall not entitle the member to any included subscription to the Society journals).

Section 5. Failure to pay dues within 12 months from (by) the end of the calendar year, for which assessed, shall result in forfeiture of membership. A member who has forfeited membership by non-payment of dues must reapply for membership under Article Second, Section 1.

Watching Washington

Submitted 12/95 by Capitol Associates

With the close of the First Session of the 104th Congress, we have summarized the status of a broad range of legislative issues of interest to the Society, such as Superfund reform, funding for medical research, FDA reform, and the federal budget stalemate. The next session of Congress promises an equally full Congressional agenda and we look forward to working with the Society in informing its members.

Superfund Funding and Reform

Fiscal Year 1996 funding for the Superfund program, and specifically for the NIEHS Superfund Basic Research Program, had not been determined when we went to press. It has been a long and bumpy road for the Veterans Affairs, Housing and Urban Development, and Independent Agencies Appropriations Bill which includes funding for the Environmental Protection Agency, and thus the Superfund program.

Passed by the House on July 31, the House version (H.R. 2099) contained $31.5 million for the NIEHS Superfund Basic Research Program for FY 1996 ($1 million below the President’s request and $4.2 million below FY 1995). The Senate passed its version of H.R. 2099 on September 27, and included only $16 million for the NIEHS Superfund Basic Research Program. A conference committee agreement provided $32 million for the Program. However, while this conference agreement passed the House on December 7, it has yet to pass the Senate and, regardless, is likely to be vetoed by the President for a variety of reasons - not the least of which is his opposition to extreme EPA cuts and lack of funding for his National Service Program.

On the reform front, bills have been introduced in both the House and Senate to reform Superfund. While most of the debate has focused on larger issues such as repeal of retroactive liability, these larger issues threaten to impact the future of the NIEHS Superfund Basic Research Program. Authorized at $34 million in 1994 and 1995, the House bill (H.R. 2500) includes no authorization amount for the Program and the Senate bill ($1285) authorizes the NIEHS Program at a mere $20 million. Moreover, all discretionary programs under this bill’s jurisdiction are being lumped together and will therefore have to compete with each other for a very limited amount of funds. Because the authorization number acts as a guide to appropriators, this lack of direction by the House and devastating message from the Senate will seriously undermine the value of this program in the eyes of appropriators and will make our annual fight for funding even more difficult.

SOT has played an integral role in coordinating the efforts of many of the Directors of these NIEHS Superfund Basic Research Programs and has been asked by Congressional staff to provide feedback on the various reform proposals.

NIH Funding and the Federal Budget

At press time, the NIH appropriations for FY 1996 had not been resolved. The House provided a 5.7% or $642 mil-

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Watching Washington

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lion increase for the National Institutes of Health (NIH) and a 5.9% or $16.2 million increase for the National Institute of Environmental Health Sciences (NIEHS) in H.R. 2127, the 1996 Labor, Health and Human Services, Education, and Related Agencies Appropriations Bill. This is one of the largest increases for any program in the bill. In fact, the total Labor-HHS bill was approximately $8 billion or 12% less than the 1995 appropriations bill. Funding increases for individual programs were more difficult in the Senate because the Senate restored funding for many of the programs that the House had terminated or cut significantly. The Senate provided an increase of only $301 million over the 1995 appropriation, or 2.7% for NIH and $9.1 million or a 3.3% increase for NIEHS. However, the Senate has yet to vote on the bill because Democrats are opposed to various legislative “riders” or provisions that Republicans wanted to include. The President opposes the bill because of cuts to many programs and because of the legislative riders, including those related to abortion training, embryo research, Medicaid funding for abortion, and political advocacy. These factors led to the first government shutdown since 1990 and the need for the present Continuing Resolution (CR), which expires on December 15, 1995, and may result in a year-long CR in order to avoid these controversial issues.

Dr. Varmus, Director of the NIH, has responded to this situation by announcing the likelihood of a freeze in non-competing grants and increased flexibility of Institute Directors to meet budget targets in the event of severe budget cuts.

Issues for the New Year

FDA Reform

Reform of the Food and Drug Administration (FDA) has been one of many priority issues for the deregulation-minded GOP-controlled Congress. Largely stimulated by the perceived need for a more rapid drug approval process, FDA reform legislation is expected to be introduced early in the new year. In fact, reauthorization of the National Institutes of Health is expected to take second place on the legislative calendar - second to FDA reform. Extreme reform measures such as privatization or a complete dismantling of the FDA have been mentioned. On December 13, Senator Nancy Kassebaum (R-KS) introduced the Senate FDA Reform proposal which industry stated was a good starting point for discussion. The House has not introduced a proposal as of yet and many anticipate more extreme proposals (e.g. privatization) will evolve in the House debate.

Risk Assessment

Part of the House Republicans’ “Contract With America,” the “Risk Assessment and Cost-Benefit Act of 1995” (HR 9) was passed by the House on March 3, 1995. This legislation requires agencies to weigh the costs of regulation against the benefits for any proposed rule that costs more than $25 million to impose. Senate Majority Leader Robert Dole (R-KS) brought a substitute bill (S. 343) to the Senate floor which required risk and economic analysis of rules with a national economic impact of more than $100 million. In addition, it would require economic analysis for other rules determined to have significant economic impacts on a substantial number of small businesses - agencies would be required

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SOT Inducts Orrenius & Parke

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journals and is an honorary member of ASPET and ASBMB. He has received many honors and awards. These include election as a Foreign Associate Member of the Institute of Medicine of the National Academy of Sciences, elected member of the Royal Swedish Academy of Sciences, and elected member of the Royal Spanish Academy of Pharmacy. He has also received honorary doctorate degrees from the University of Stockholm and the University of Turin, Italy.

Dr. Dennis Parke has contributed greatly to the field of toxicology through his efforts to promote the science through publication, education and advice provided to governing agencies around the world. His work has spanned five decades during which he has contributed greatly to our knowledge of the fate and mechanisms of toxicity of a variety of xenobiotics. He has published over 400 scientific papers and has authored or edited eight books on different facets of toxicology. He was the founding editor of Xenobiotica and currently serves on the Editorial Boards of four toxicology journals. Dr. Parke is well known for the excellence of his lectures.

His expertise in chemical toxicity is widely recognized, and he continues to be a much sought after speaker and advisor to committees on drug and chemical safety in the UK, countries abroad, and the World Health Organization (WHO). His early work on the metabolism of benzene and its derivatives earned him an award in "Recognition of His Achievements, and of His Contributions to Science and the Betterment of Human Health." Recognition of this stature in the field and service to his own and other countries has been evidenced by his appointment as an honorary member of Royal College of Physicians of London, the Biochemical Society of UK, the Polish Society of Occupational Medicine, and the Polish Society of Toxicology. He was also a recipient of the Scheele Medal in Uppsala, Sweden in 1989. Recently, he was awarded a doctorate honoris causa for his efforts with the Medikal Academy of Poland.

The Society is honored to have these two exceptional scientists join its membership.

The Society of Toxicology
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Deadlines for Upcoming Issues:
April 3, 1996
June 3, 1996
August 3, 1996
October 3, 1996
December 3, 1996

January/February 1996
Watch Your Mail for Your Registration Materials

Registration confirmation packets, including your annual meeting name badge and tickets, will be mailed to registrants in late January. If you have registered, and do not receive your packet, please contact Blair Beggan at SOT Headquarters. Meeting attendees must bring these materials to the Annual Meeting.

Awards Lecture by Bruce Ames and Gary Williams

Thursday, March 14, 6:00 p.m. - 7:00 p.m.

GENETIC TOXICITY TESTING: WHAT HAVE TOXICOLOGISTS LEARNED FROM OVER TWO DECADES OF EXPERIENCE?

In honor of the 25th anniversary of the Ames Bacterial Mutagenicity Test and the 20th anniversary of the Williams DNA Repair Test, the Society of Toxicology is proud to have Drs. Bruce Ames and Gary Williams present the SOT Awards Lecture. Introductory remarks will be made by Dr. John H. Weisburger. Each presentation will review the background leading up to the test, the underlying mechanistic thinking, and the implications for toxicology and risk assessment after decades of practical use.

SOT Animals in Research Booth at Annual Meeting

The Animals in Research Committee deals with issues relating to the use of animals in toxicological research and communicates the ethical and practical issues concerning animal use to both members of the SOT and the community at large. The toxicological community is committed to the most humane and ethical treatment of animals, as well as to using the fewest animals possible. We are also committed to developing and utilizing alternative models. In recent years, the lay public, as well as the scientific community, has been intensively exposed to the perspective of animal rights groups with regard to animal research. It is imperative that the issues be conveyed in a balanced and rational way to everyone. Just how do we do this?

The Animals in Research Committee will have a booth at the 1996 Annual Meeting in Anaheim. At this booth, we will have educational materials, including videotapes, brochures, and sources of information on the importance and ethics of animal research, use of alternatives models, as well as information on how to communicate these issues to the community at-large, including elementary and secondary school students and science teachers. Plan to stop by and meet our Committee members.

Plenary Lecture: Hazard Versus Outrage: Responding to Public Concerns About Toxics

Monday, March 11, 8:30 a.m. - 9:30 a.m.

Lecturer: Peter M. Sandman, risk communication consultant

The toxicologic risks that most endanger people are not necessarily the ones that most upset them. Dr. Sandman, one of the nation's preeminent risk communication consultants and speakers, will explain why this is so. He will focus on what toxicologists do that exacerbates public outrage, and what they can do to instead minimize outrage about small risks. An independent entrepreneur based in Newton Centre, MA, Dr. Sandman founded the Environmental Communication Research Program at Rutgers University in 1986 and directed the program until 1992. During that time, the program published over 80 articles and books on various aspects of risk communication. Dr. Sandman will develop his thesis further in a workshop entitled "Risk Communication in Toxicologic Controversy," Monday, March 11, 1:30 p.m. - 4:30 p.m.

Retired Members Register at a Reduced Rate for Annual Meeting

It is well known that the SOT retired members lend history and continuity to the Society. To encourage retired members to come and share their knowledge at the SOT Annual Meeting, the required registration fee is just $35. If you are retired, please consider joining your colleagues in Anaheim next March.
Satellite Workshop:  
Toxicology and Environmental Aspects of Hydrofluorocarbons (HFC)

March 7, 9:00 a.m. - 5:00 p.m. and  
March 8, 9:00 a.m. - 12:00 noon

The Subcommittee to Review the Toxicology of Alternatives to Chlorofluorocarbons (a subcommittee of the National Research Council / National Academy of Sciences) was initially charged to review Hydrofluorocarbon-134a and Hydrofluorocarbon-123. In the course of the review, it became apparent that there was insufficient data related to the potential for these compounds to cause cardiac arrhythmias. Furthermore, questions were raised regarding the techniques used to measure experimentally induced cardiac arrhythmias. Although two hydrofluorocarbons were studied in this exercise, the committee recognized that similar compounds will be undergoing development and full-scale safety evaluation studies will have to be carried out. The cardiac sensitization problem will remain until the method for estimating the potential to produce arrhythmias in humans is validated. Furthermore, the history of halocarbons suggests that each new hydrofluorocarbon will have to be evaluated for the likelihood that it may produce hepatotoxicity, renal toxicity, and possible cancer. Therefore, this workshop will review the potential environmental impact of these compounds and their toxicology, with special emphasis on cardiac arrhythmias. The end product is intended to be recommendations for an acceptable battery of toxicological evaluations to be used in the development of new hydrofluorocarbons.

For registration information, please contact Dr. Robert Snyder at (908) 445-0210 or Dr. Margaret McVey at (202) 334-2616.

Sponsors Needed for Free Final Night Reception

Last year’s Final Night Reception was such an overwhelming success that we have decided to do it again! Immediately following the Awards Luncheon, Thursday, March 14 at 6:00 p.m., the SOT 1996 Awardees will be recognized. This will be followed by a reception, free to all attendees, featuring Pacific realm cuisine. Sponsorships for this exciting event are still available. If your organization would like to be a sponsor, please contact Shawn Lamb at SOT Headquarters. Sponsors will be recognized at the reception, as well as in the SOT Communicate.

SOT Thanks Sponsors!

The Society of Toxicology thanks the following organizations that have already committed to sponsor activities at the Annual Meeting in Anaheim:

- Ani Lytics Inc.
- Charles River Labs
- Experimental Pathology Laboratories, Inc.
- Exxon Biomedical Sciences
- Harlan Sprague Dawley
- National Institutes of Health
- Quintiles Preclinical Services
- RW Johnson Pharmaceutical Company

New and Improved Meeting Diskette Search Program

The SOT 1996 Annual Meeting itinerary is available in an improved diskette package. The Meeting Diskette Search Program provides the ability to search the abstract titles of papers and posters programmed for presentation at the Annual Meeting. The user can search the Meeting program by key words and phrases, author names, and sessions. By printing your selections, you can create your own personal itinerary for the meeting.

This capability may be used in the comfort of your home or office. We hope use of this search program enhances your overall experience at the 1996 Meeting. The cost of the 1996 Annual Meeting diskette is $7 per diskette. When ordering, use the Annual Meeting Registration form and please indicate the type of diskette you require. Call SOT Headquarters if you have any questions.

Write Your Congressperson at the SOT Annual Meeting

Based on the overwhelming success of the 1995 initiative, the Regulatory Affairs and Legislative Assistance Committee (RALA) has planned a “Write your Congressperson Booth” at the SOT Annual Meeting.

RALA Committee members will staff the booth and will have sample letters, as well as copies of the SOT position statements, to help attendees draft letters. Computer terminals—with Congressional directories—will be available for attendees to address, write, and mail their letters to Congress.

Make certain you schedule your time at the Annual Meeting to include writing to your Congressperson. Letter writers will receive a small gift from SOT.

Attention Graduate Students and Post-Docs!!!

The Education Committee is sponsoring a new event for current graduate students and post-docs at the Annual Meeting. The Session will include a brief informal program on training issues related to the current job market, followed by a social (including refreshments!) and is scheduled for Tuesday afternoon at 4:30 p.m.- 6:00 p.m. We hope the social will offer you an opportunity to meet other individuals who are currently in training and to also meet members of the Education Committee, the SOT Council, and other Committees. Please check the final program for a location. Hope to see you there!
Medical Research Council (MRC) Lecture

THE HUMAN GENOME PROJECT AND THE FUTURE OF MEDICINE

Monday, March 11, 12:00 noon - 1:15 p.m.

By: Francis S. Collins, M.D., Ph.D.

The MRC sponsored lecture reflects the long tradition of support by the MRC for the basic sciences, as well as support for more strategically directed programs, and acknowledges the reliance of toxicology on the achievements of basic scientists from a wide range of disciplines. Dr. Collins currently serves as Director of the National Center for Human Genome Research at the National Institutes of Health.

Nearly all diseases have a genetic component, but the biological basis of that hereditary contribution remains obscure for most diseases. By application of a new strategy, denoted "positional cloning," Dr. Collins' laboratory has played a major role in identifying the genes responsible for cystic fibrosis, neurofibromatosis, Huntington's disease, and a particular type of adult leukemia. This strategy depends upon the use of genetic linkage analysis, advanced physical mapping, and eventual identification of mutations in the responsible genes. Once a gene is identified by this strategy, a whole new arena of research unfolds. This includes the development of accurate diagnostic methods and the deduction of the normal function of the gene, as well as the mechanism by which mutations are capable of causing disease. All of these research steps are greatly aided by advances provided by the Human Genome Project.

Current active research projects in the Collins laboratory include an intensive analysis of the BRCA1 gene on chromosome 17. Inherited alternations in this gene play a major role in human breast and ovarian cancer, and the discovery of the BRCA1 gene by researchers in Utah and North Carolina is expected to allow advances in diagnosis and eventually in therapy. The laboratory is also involved in an ambitious effort to map the major genes contributing to adult-onset diabetes, by carrying out extensive linkage analysis on affected siblings, largely collected in Finland. Positional cloning of the genes for familial Mediterranean fever, Bloom's syndrome, ataxia telangiectasia, and the long QT syndrome are also underway, in collaboration with other investigators. Vigorous efforts are being pursued to understand the gene responsible for Huntington's disease and to elucidate the mechanisms by which a particular inversion of chromosome 16 results in adult leukemia.

Headquarters Update

Best wishes to Shawn Douglas Lopez and James Christian Lamb, who were married on December 9th.

CAAT Recognition Award

The Johns Hopkins Center for Alternatives to Animal Testing (CAAT) would like to honor an individual or organization who has made an outstanding contribution to the field of 3Rs alternatives and in vitro sciences. We invite the readers of this newsletter to submit nominations. The award will be presented at the second World Congress on Alternatives and Animal Use in the Life Sciences, to be held in October, 1996 in Utrecht, The Netherlands.

Deadline for receipt of nominations is June 1, 1996. Please send your nomination, including a one-page description of why this individual or organization should be recognized. Please include a curriculum vitae for individual nominees and a fact sheet or support documents for organizations. Forward to: Alan M. Goldberg, PhD, Johns Hopkins Center for Alternatives to Animal Testing, 111 Market Place, Suite 840, Baltimore, MD 21202-6709 USA.

A subcommittee of the CAAT Advisory Board will review the nominations and select the recipient of the CAAT Recognition Award.

Council Highlights

Following, are the highlights of the November 16, 1995 Council Meeting:

1. Council approved the renewal of the Society's membership in the American Association for Accreditation of Laboratory Animal Care (AAALAC).
2. Starting in 1996, the deadline for nominations for SOT officers and elected committee members will be changed to September 1.
3. The Council voted to contribute $15,000 to the 1996 Gordon Research Conference, to be held August 4-9, 1996 on the subject of Mechanisms of Toxicity.
4. Council voted to recommend to the Toxicology Education Fund that $1,000 from the Fund be used to provide a stipend for the attendance of a member of the Mexican SOT to the SOT Annual Meeting.
5. Council recommended that a travel fund of $5,000 per course for three courses over three years be given to the Risk Assessment Summer School (RASS) to fund broader American student participation. Funds will be appropriated through the International Education Fund.
6. Council approved satellite meeting status for the National Research Council/National Academy of Sciences for the workshop, "Toxicology and Environmental Aspects of Hydrofluorocarbons."
7. Council voted to offer honorary membership to Drs. Sten Orenius and Dennis Parke.
8. Council approved the production and sale of videotapes for the 1996 Continuing Education courses.
Guidelines for the Organization of a CE Course

Introduction

Each year, the Society of Toxicology presents Continuing Education Courses at its Annual Meeting. The emphasis is on quality presentations of generally accepted, state-of-the-art knowledge in toxicology. These courses meet the requirements of the membership for information on new developments in toxicology and related disciplines, as well as provide education applicable to the requirements of certifying and licensing boards.

Courses are scheduled for three and one-half hours and a detailed syllabus of course content is provided. Each course is classified as basic or advanced. A brief overview (10-15 minutes) by the course’s chairperson precedes presentations by the instructors (usually four). The emphasis is on teaching excellence. Clarity of presentation, attention to detail and organization are priorities.

Typically, six courses are offered in the morning and another six in the afternoon. The Continuing Education Committee is responsible for screening courses proposed by the membership and identifying additional priority areas of instruction. In the latter instances, the Committee solicits assistance from qualified professionals who contact potential instructors. The Committee recommends a slate of courses to Council for consideration.

Organizing Continuing Education Courses

Courses may be proposed by any member, Committee, Specialty Section or Chapter of SOT. Proposals intended for consideration for the following year’s meeting must be submitted by April 15. Please complete the enclosed Proposal Form and mail it to the SOT Headquarters office. A copy should be mailed to the Continuing Education Committee chairperson. A cover letter should state why the proposed course is a priority and summarize major aspects of course content. The proposal should contain the following items:

1. Proposed title. Note whether this will be a basic or advanced course.
2. Chairperson(s) (must be member of SOT).
3. Names, affiliations, SOT membership status, presentation titles and presentation summaries (two to four sentences) for proposed instructors. Please remember that the emphasis is on selecting excellent teachers.
4. Specify the year the course is to be offered. Please be aware that rigid timelines are imposed for presentation of the course syllabus. Drafts for each presentation are due in early November and final copy is required in early December. Take this into account when planning a proposal and contacting potential instructors.
5. Financial requirements. If any, SOT will provide travel assistance for up to one non-SOT member per course; all SOT members are responsible for their own travel expenses. A $400 consideration is provided to each instructor to offset the preparation costs of slides and other materials.

Approval of a Continuing Education Course

The chairperson of the Continuing Education Committee presents proposals to Committee members for consideration in May. Both the proposal’s quality and the need for balance in course offerings are major considerations in the evaluation process. A matrix of past course offerings and the responses of attendees to these courses are evaluated. There is a concerted effort to provide courses in each year’s offerings that update fundamentals, integrate advancing technologies, and provide new perspectives. Meeting the needs of a diverse audience with evolving careers is paramount. The Committee forwards a slate of proposed courses to Council in May. The recommendation of the Committee and the decision of Council are forwarded to initiators of proposals soon thereafter.

Course Organizers

A member of the Continuing Education Committee serves as a course organizer for each course. She/he is the immediate link between SOT and chairperson for each course. While the chairperson selects and organizes instructors, review and revision of the course syllabus is a coordinated activity of the chairperson and course organizer. The course organizer will assist in communications between SOT and the chairperson and assure logistical support for the course by SOT staff before and during presentations at the Annual Meeting.

Call for Research Proposals

The Johns Hopkins Center for Alternatives to Animal Testing (CAAT) is soliciting proposals for the 1997-98 grant period. These research proposals should provide fundamental knowledge needed to develop replacement alternative tests for safety/hazard evaluation, risk assessment and efficacy of commercial products.

We encourage the investigation of in vitro approaches to evaluating cellular and target organ toxicity. Some examples are: developing new cell culture systems, applying current testing methodology to human cells/cell lines, and designing new, mechanistic, state of the art methods that may utilize cultured cells, computer technology (e.g. structure activity relationships), or any other system applicable to toxicity/efficacy evaluation. At the present time, CAAT does not fund projects relating to carcinogenicity or mutagenicity, or those not focused on developing testing strategies.

Applications must be placed on a CAAT Pre-proposal Abstract Form (97-98). To obtain this form, write to Ann Kerr, CAAT, 111 Marketplace, Suite 840, Baltimore, MD 21202-6709, Tel (410) 223-1693, Fax (410) 223-1603.

DEADLINE FOR SUBMISSION OF PRE-PROPOSAL ABSTRACTS IS MARCH 8, 1996.
Guidelines for the Organization of Annual Meeting Scientific Sessions

Introduction

The Society of Toxicology encourages members to organize scientific sessions, on timely topics, at its Annual Meeting. Proposals may be submitted by any member, committee, specialty section or chapter of SOT. Proposals intended for presentation at the following year's Annual Meeting must be submitted by April 15. Please complete the enclosed Proposal Form and mail it to the SOT Headquarters office. A copy should be mailed to the chairman of the Program Committee, the Vice President of the Society.

Proposals

Proposals should present reasons the session is desirable and provide some details. The following points should be addressed:

1) Justification of need for a session in the particular field. The number of sessions approved will be limited and the justification will be important in the Committee's evaluation. The justification should include the timeliness of the topic and whether a similar session has been presented at a scientific meeting in the recent past. Consultation with the appropriate SOT Specialty Section is encouraged.

2) Proposed title.

3) Chairperson(s) (must be member of SOT).

4) Names of proposed speakers, their professional affiliation, SOT membership status, title of their presentations, and a one or two sentence synopsis of their topic (a maximum of two speakers per institution is recommended).

5) The intended year of presentation of the session.

6) Financial requirements, if any. (SOT will provide financial assistance to non-SOT member speakers, on a case by case basis.)

7) Specialty Section endorsement or Specialty Section financial sponsorship.

8) Publication plans, if any.

Types of Sessions

Symposia

Subject Matter:
• "Cutting edge" science, new areas for toxicologists; new concepts or approaches, new data.

Total Presentation Time:
• Three hours or less.

Speakers and Presentations:
• Chairperson and 4-5 speakers.
• Approximately 40 minutes per speaker.
• Summary of symposium by last speaker.

Comments:
Format designed for presentation of new information. Short period for questions and discussion suggested following each presentation. Symposium should be concluded with a brief summary and short period for general discussion.

Workshops

Subject Matter:
• Topic requiring intensive study and discussion.

Total Presentation Time:
• Three hours or less.

Speakers and Presentations:
• One-to-five speakers.
• Informal, interactive presentations.
• Emphasis on discussion.

Comments:
Format designed for conveying detailed "how-to" information.

Roundtables

Subject Matter:
• Controversial subjects

Total Presentation Time:
• Approximately 1 hour.

Speakers and Presentation:
• Moderator and 2-4 speakers.
• Moderator presents overview.
• Each speaker makes a 3-5 minute statement (Moderator coordinates the comment).
• Balance of time for questions and discussion.

Comments:
Format designed for discussion of controversial information between speakers, with audience participation encouraged.

Approval of Sessions

After receipt of a proposal, it will be presented to the Program Committee in May. Unless otherwise indicated, proposals for symposia, workshops or roundtables will also be considered for the Continuing Education courses. The results of Committee action will be transmitted promptly to the initiator(s) by the chair of the Program Committee. If the session is approved, the chair of the Program Committee will then provide further instructions concerning follow-up correspondence with speakers, completion of the session overview and speaker abstracts, finalization of the program, date of the session, and publication procedures if it is to be published.

Publication

All SOT-sponsored sessions come under the general guidelines for publication of SOT-related activities, i.e., the editors of the official journals, FAAT and TAP, have first right of refusal regarding publications from the SOT sessions.
Burroughs Wellcome Fund Call for Proposals

The Burroughs Wellcome Fund is pleased to announce a new initiative: Interfaces between the Physical/Chemical/Computational Sciences and the Biological Sciences. The foundation will devote $2 million annually to catalyze graduate and postdoctoral training at the interface between the physical and biological sciences. This program is intended to promote a broader kind of training and a change in institutional behavior. Grants of $350,000 to $500,000 per year for five years will be made to four to six institutions that demonstrate the ability and commitment to support such programs. The awards are available to universities, medical schools, scientific institutions, and other eligible nonprofit organizations in the U.S. and Canada. The award program will involve a two-step application process. Institutions must submit a three-page proposal describing the proposed training program to the Burroughs Wellcome Fund by February 1, 1996. The Fund will then invite 10 to 12 of the institutions to submit a more detailed application. For more information, please contact Martha Peck, Vice President of Programs at (919) 991-5102.

ANIMALS IN RESEARCH

Literature Supporting the Use of Animals in Research

The SOT Animals in Research Committee has a collection of brochures and pamphlets from HHFS, SOT, various societies for biomedical research, the AMA, and other organizations supporting the use of animals in biomedical research and toxicology. As scientists, we are often asked to address or refute charges made by animal rights advocates. If you wish to obtain information concerning these issues, contact Vincent Castranova, Chairman of the Animals in Research Committee.

Speaking of Animal Use

Submitted by Andrea K. Hubbard, Animals in Research Committee

Last March at the Annual SOT Meeting in Baltimore, MD, a workshop entitled "From Teachers to Toxicologists: Answering the Tough Questions About Animal Research" was offered. Chaired by Harry M. Olson (Sanofi Research Division), this workshop provided valuable information in the following 3 presentations: "How Research on Animals Helps Animals" (Thomas E. Eurell, Univ. of Illinois), “Organizing and Implementing Effective Speakers Groups” (Steven J. Hermansky, Bushy Run Research Center) and “The CURE Program: A Statewide Multimedia Information Source” (Andrea K. Hubbard, Univ. of Connecticut).

This workshop will soon be published in an upcoming issue of Fundamental and Applied Toxicology. SOT members who are interested in beginning or continuing outreach efforts on communicating the value of animals in research will find the articles by Drs. Eurell and Hermansky especially helpful. These authors provide specific examples and approaches for conveying the value of animals in research to audiences of all ages. In addition, at the end of the article are sample questions from Middle School age children encountered by these presenters.

Connecticut United for Research Excellence (CURE) is beginning efforts to expand the distribution and classroom use of BioRAP®, an eight-page science and health newsletter for sixth through eighth graders. The Society of Toxicology is one of the many organizations that has contributed to the underwriting of this national launch. Enclosed with this quarter’s Communiqué is a copy of the BioRAP® issue on “Product Safety.” (Please see article on page two of this newsletter “SOT Supports BioRap®…You Can Too.”

1995 Simpson Award Nominations Sought

The award honors the memory of Richard Simpson who founded the incurable ill For Animal Research in 1985. Simpson suffered from multiple sclerosis; however, an unrelated illness caused his death in 1989. He devoted latter years of his life to promoting biomedical research for the incurably ill. The Simpson Award annually recognizes those exceptional individuals who carry on his dedication to support animal research. This year, Richard Simpson Memorial Awards will be granted in two categories: Outstanding contribution to public education by a scientist and Outstanding contribution to public education by an ifiFAR member. The deadline for submission in January 31, 1996. For more information, contact: Simpson Award Nominees, ifiFAR, P.O. Box 27454, Lansing, MI 48909, Tel: (517) 887-1141.

Wanted:

Anecdotal information on how human and animal lives have benefited from the science of toxicology. Submissions may include stories about toxicological discoveries, the science of toxicology, or the cost savings to the public. Stories will appear in future issues of the Communiqué and should be sent to the SOT Headquarters office.

Code of Ethics Reminder

The Society of Toxicology is dedicated to developing knowledge for the improvement of the health and safety of living beings and the protection of their environment.

In attaining this objective, each member is expected to maintain high ethical standards, and to this purpose, a code of ethics, which requires a personal commitment, is printed annually in the SOT Membership Directory.
Increasing the Employment “Pie” for Toxicologists

Submitted by Lori Fix, Placement Committee Director

Toxicology has experienced a shift in employment trends over recent years. Supply has caught up with demand. The SOT Placement Center has registered a dramatic increase in the number of job seekers (a majority of which are experienced toxicologists), while the pool of job listings has shrunk. This observation has led the Placement Committee to ask “why?” Recent economic trends in business down-sizing have contributed but may not be the entire story. There may also be a shift in the demand for specific types of activities needed by the employers. This was reflected in the types of jobs listed in the 1995 Placement Center (see Nov/Dec newsletter). Salient questions include: do we need to redefine the employment box for jobs a toxicologist could fill, and are toxicologists developing the skills needed to meet these changes?

When something becomes scarce, such as the number of job openings, competition tends to increase as people struggle to secure their piece of what they see as a limited pie. An alternate approach would be to increase the size of the pie. As the pie increases in size, there is more to go around to more people. Expand the demand to fill the supply. The jobs classically considered for a toxicologist are still there, but there are many allied jobs that could use the skill set and expertise of toxicologists. An increase in the pool of job options available to a job seeker would increase the size of the pie, expand the demand.

Of the jobs listed in the 1995 Placement Center, only 26% were for the classic research or study director positions. Traditionally trained toxicologists were competing for jobs only comprising a quarter of the represented employment pie. The pie grows when jobs in risk assessment and regulatory affairs are included. Regulatory affairs can include being the representative of such groups as trade associations, or nonprofit organizations as well as industry or government compliance and policy concerns. The pie grows even larger when new pieces are added for safety officers, worker safety, OSHA officers, certified safety personnel (CSP), quality assurance (ISO 9000), auditors, information systems, and forensics.

Toxicologists can also contribute in product development and scientific marketing. Law firms also employ toxicologists for expert witnesses (e.g. DWI cases) and patent review. Risk management offers opportunities with both environmental firms and insurance companies. Risk communication offers a whole new avenue for toxicologists in conducting public meetings or responding to crises. Toxicologists could also be employed in environmental resource, radiation, or waste management. All of these types of jobs could be filled by toxicologists at the B.S., M.S., and Ph.D. levels. Increasing the options considered by a job seeker will increase the pie for toxicologists.

There is a wider variety of potential employers than the supply of available toxicologists may have realized. The question then becomes one of whether the toxicologist has had adequate background training to fill one of these jobs today. In the fast-paced, down-sized marketplace of today, employers do not have time to train employees. The expectation is to find a candidate that can “hit the ground with their feet running” to minimize assimilation issues. A candidate would need to have demonstrated their ability to perform the position’s tasks. The competition for positions is high. Those candidates with the most versatile skill set, able to fit into a variety of positions, will have the advantage. They will be able to explore the wide variety of available options in a larger pie.

The job pie can be grown to accommodate the supply of toxicologists. This may include a reevaluation of the boundaries of the pie to include additional jobs employers need to fill. The challenge will be to prepare versatile toxicologists able to explore a wide variety of employment opportunities offered by the bigger pie.

Community Outreach and K-12 Educational Materials Sought

Each year the Society receives letters from various organizations soliciting funds for toxicology related community outreach projects and programs. While the SOT Council is dedicated to supporting worthwhile programs, it is more meaningful when the requests come from within the membership. Therefore, the Council would like for members to send suggestions of worthy projects to the SOT Headquarters office.

In addition, the Society is collecting toxicology materials specifically designed for K-12 education. If you are aware of any material that address the science of toxicology or the use of animals in research, please forward this information to SOT Headquarters.
Career Development and Management for Toxicologists
Submitted by Len Savors

The SOT Placement Committee has developed a presentation package on "Career Development and Management for Toxicologists." The goal of the presentation is to help toxicologists who are embarking on their career to choose the best path. It is also useful for more experienced individuals who are looking for a career change or ways to enhance their current career choice. It discusses all those things that toxicologists should think about as they choose a career and key criteria for success as they mature in their full time positions. Key aspects of the presentation include: how to choose the right career path, who employs toxicologists and the types of positions they offer, what employers are looking for in a candidate, how to get that position which best suits your needs and qualifications, and how to succeed in the job once you get it.

All aspects of a toxicologist's career from cradle to grave are discussed with a depth and understanding that provides the listener with key information for success.

The presentation is suited for many different types of audiences and has been especially well received when given at some regional SOT meetings. Anyone interested in obtaining a copy of this should contact Neil Dillard at SOT Headquarters.

TOXICOLOGIST

The Department of Physiological Sciences, College of Veterinary Medicine, University of Florida is seeking applications for a tenure track assistant professor level position in toxicology. Instructional activities will include developing course materials and teaching in undergraduate, graduate and/or professional toxicology courses. The successful candidate will participate in graduate and/or postdoctoral training programs as appropriate. This person is expected to develop a productive, extramurally funded program of research in an area of toxicology. A PhD degree is required and postdoctoral experience is preferred. It is anticipated that the successful candidate will also be an active participant in the University of Florida Center for Environmental and Human Toxicology. Interested individuals should send a letter of application, their curriculum vitae, and names and addresses of three individuals who may serve as references to Dr. Stephen M. Roberts, Search Committee Chairman, Department of Physiological Sciences, College of Veterinary Medicine, PO Box 100144, University of Florida, Gainesville, FL 32610-0144. The deadline for applications is March 1, 1996, with an anticipated start date of July 1, 1996.

The University of Florida is an affirmative action/equal opportunity employer/educator.

TOXICOLOGIST

Genentech is a pace-setting company, internationally known for discovering, developing, manufacturing and marketing pharmaceuticals for significant unmet medical needs. We are currently seeking a PhD Toxicologist to join our Toxicology Department.

You will design, conduct and scientifically evaluate Safety Assessment studies conducted in animals or appropriate alternate test systems in support of U.S. and international marketing applications. Candidates will be expected to independently prepare comprehensive pre-clinical safety assessments in the support of these applications and to present and defend this data to regulatory authorities. The position involves working closely with project development teams to provide expertise on all investigative and regulatory safety issues involving protein and chemical therapeutics.

Qualified candidates will have a PhD or equivalent in Toxicology and a minimum of 3 years' experience in the Pharmaceutical/biotechnology industry working with a wide variety of pharmaceutical agents and classes of compounds. Experience with protein therapeutics is highly desirable. Individuals with experience in the areas of endocrinology, cardiovascular pharmacology, oncology, neuro sciences, or immunology are encouraged to apply. BOARD certification in toxicology is desirable.

Join us and enjoy our progressive culture, exciting success, and excellent benefits package that includes fully paid medical/dental/ vision coverage, free health club membership, and Company stock purchase opportunities. For immediate consideration, please send your resume to Genentech, Inc., Human Resources Dept. NSDT, 460 Pt. San Bruno Blvd., South San Francisco, CA 94080. Genentech is an Equal Opportunity Employer. We value the contributions of our diverse work force.

ASSISTANT PROFESSOR BIOLOGICAL SCIENCE

Applications are invited for a tenure-track, Assistant Professor position in the general area of environmental biology. The successful candidate will be expected to be committed to undergraduate education and to develop an active, extramurally funded research program that supports Masters and Doctoral level graduate students. Preference will be given to applicants with research expertise in the areas of toxicology, aquatic ecology, or developmental biology related to environmental concerns although other environmental-related research areas will be considered.

Michigan Technological University promotes the formation of interdisciplinary research programs and numerous opportunities for research collaborations are available in conjunction with faculty in the Environmental Engineering Center, the EPA Center for Clean Industrial and Treatment Technologies, and the Lake Superior Research Group. Construction of a $50 million Environmental Sciences and Engineering complex that houses the Department of Biological Sciences will begin shortly.

Review of applications will commence February 1, 1996 and will continue until the position is filled. Send applications, consisting of curriculum vitae, a brief statement of teaching philosophy and research goals, copies of recent publications, and a list of three references to: Search Committee, Department of Biological Sciences, Michigan Technological University, 1400 Townsend Drive, Houghton, Michigan 49931-1295. Michigan Technological University is an Affirmative Action/Equal Opportunity Employer/Educational Institution.
TOXICOLOGIST

Hoffmann-LaRoche Inc., a leader in the pharmaceutical and health care industries, is looking for an experienced toxicologist to join their Department of Toxicology and Pathology in Nutley, New Jersey.

The successful candidate will represent the Department on International Project Teams using toxicological knowledge and skills to strategically design and coordinate the pre-clinical safety programs for drugs in development. Additional responsibilities will include the design and interpretation of toxicity studies and preparation of contributions to internal and regulatory documents.

To qualify, you must have a PhD or a veterinary degree and a minimum of five years pharmaceutical and drug development experience. You must have strong interpersonal and team skills, the ability to plan and manage multiple scientific projects and to make sound scientific decisions. Effective written and oral communication skills are essential and computer knowledge is desirable.

We offer a competitive salary, a progressive benefits package and opportunities to have an impact on an important industry. For consideration, please send your curriculum vitae and salary history to Ms. Stella Strazdas, Human Resources, Hoffmann-LaRoche, Inc., Building 76, Room 508, Nutley, New Jersey 07110-1199. Principals only. NO PHONE CALLS PLEASE. We are an equal opportunity employer.

TOXICOLOGIST

Merck Research Laboratories, a leader within the Pharmaceutical Industry in discovering and developing new drugs, is seeking a toxicologist with a PhD in toxicology or a related field with either postdoctoral experience in toxicology or a DVM. The position, which is open immediately, involves designing, conducting, and interpreting pre-clinical toxicity studies on novel drug candidates to assess potential human risk. This position requires working in a multidisciplinary department whose objective is to fully characterize the toxicity of new drugs and to determine the relevance of these findings for human clinical studies. The successful candidate must possess outstanding written and verbal communication skills and a desire to work with others on project teams. If interested in learning more about this research opportunity, please contact George R. Lankas, PhD, Senior Director of Toxicology, Department of Safety Assessment, Merck Research Laboratories, West Point, PA 19486, Phone: (215) 652-7555, Fax: (215) 652-7758.

DEPARTMENT DIRECTOR, TOXICOLOGIST, AND DVM TOXICOLOGIST

Utah Biomedical Test Laboratory (UBTL), Salt Lake City, Utah, a leading provider of in vivo contract testing services to the medical device, pharmaceutical, biotechnology, and agro-/petro-/chemical industries, invites application for the positions of Department Director, toxicologist, and DVM toxicologist in the Toxicology Department. The Director will be responsible for all administrative and professional activities within the department. Candidates must possess a MD, DVM, or PhD, and American Board of Toxicology certification preferred. The successful candidate will have extensive experience in directing and conducting GLP research and be capable of excelling at business development in an industrial setting. The toxicologist will be responsible for conducting and managing in vivo mammalian toxicology studies as a Study Director. Candidates with a PhD in Toxicology or Pharmacology preferred. The DVM Toxicologist will be responsible for conducting and managing in vivo mammalian toxicology studies, clinical and surgical veterinary functions, and oversight of the animal care and use program. The successful candidates will be experienced in conducting research in a GLP compliant setting; have experience with diverse surgical and animal models; and have excellent interpersonal skills. Salary commensurate with qualifications and experience. Submit curriculum vitae and salary requirements to Suzanne L. Lacy, Manager of Human Resources, Utah Biomedical Test Laboratory, 520 Wakam Way, Salt Lake City, Utah 84108. UBTL is an equal opportunity employer.

ASSISTANT PROFESSOR ENVIRONMENTAL TOXICOLOGY BIOCHEMICAL/PHYSIOLOGICAL TOXICOLOGY UNIVERSITY OF CALIFORNIA, SANTA CRUZ

The Department of Biology at the University of California, Santa Cruz invites applications for a tenure track position at the level of Assistant Professor. The successful candidate will be expected to develop an extramurally funded research program in areas of biochemical and/or physiological toxicology focusing on fundamental molecular, biochemical or physiological mechanisms involved in the adaptations and responses of animals, plants, or microorganisms to environmental toxins. The candidate will be expected to teach both undergraduate and graduate courses in that area, and to actively participate in the development of a new graduate program in Environmental Toxicology. The successful candidate, who initially will be a member of the Department of Biology, will be the third of several appointments in a proposed Environmental Toxicology Program.

By January 31, 1996, applicants should submit a curriculum vitae, a brief description of research and teaching interests, copies of reprints, and arrange for three letters of recommendation to be sent to:

Biology/Toxicology Search Committee Department of Biology 225 Sinshsime Laboratory University of California Santa Cruz, CA 95064

Please refer to Provision #479 in your reply.

The University of California, Santa Cruz is an Equal Opportunity/Affirmative Action Employer.

TOXICOLOGIST

Exxon Biomedical Sciences, Inc., has an opening for a qualified toxicologist in our chemical and petroleum consulting groups. The successful candidate should have an MS or PhD in toxicology and 3-5 years of consulting experience (preferred but not essential). The position requires knowledge in the design of toxicology studies and application of these studies to human hazard evaluation and risk assessment. Consulting activity includes interactions with governmental/regulatory agencies, development of literature reviews, design and monitoring of toxicology research programs, as well as involvement in generalized risk assessment programs. The position requires extensive consultation with Exxon affiliates worldwide. Client interactions are an important aspect of our work, and thus we are seeking an individual who possesses excellent oral and written communication skills. The position also offers the opportunity to work with an experienced team of toxicologists and with interdisciplinary teams of environmental and occupational health specialists. We offer a competitive salary, attractive benefits, and a chance to join a dynamic organization in a position with opportunities for career growth. Please send resume to C.E.L. Peterson, Human Resources, Exxon Biomedical Sciences, Inc., Mettlers Road, CN2350, East Millstone, NJ 08875-2350. Equal Opportunity Employer M/F/H/V.
PRODUCT SAFETY MANAGER

Genecor International seeks an experienced professional to manage product safety programs, including placement and monitoring of toxicology studies, conducting toxicology review/assessments, and GLP compliance. Other functions will include interacting with customers on product approvals, maintaining toxicology databases, coordinating MSDS’s and labels, and assisting with regulatory submissions. This position will involve 20% travel and will relocate from South San Francisco to our new Stanford Research Park facility in Palo Alto, scheduled to open in July 1996. Master’s or PhD in toxicology is preferred and should be supported by 2-5 years’ experience in the placement and management of toxicology studies. We offer a great team environment complete with a competitive compensation and benefits package, including three weeks of paid vacation and a generous 401(k) matching plan. For consideration, send or fax your resume to: Genecor International, Inc., Human Resources, Dept. BC, 180 Kimball Way, South San Francisco, CA 94080, fax (415) 742-7265. EO/E - MF/H/V.

TOXICOLOGY ACCOUNT MANAGER

Microbiological Associates (MA) is a world leader in the genetic and toxicological testing of pharmaceutical, chemical, medical device, biotechnology and personal care products. As part of our global expansion we seek an Account Manager to join our US team.

The ideal candidate will have a PhD or MS degree in biological science with 5+ years of technical sales experience in a toxicology discipline, preferably with a genetic toxicology background. The consultative nature of the position requires outstanding interpersonal skills as well as excellent organizational abilities.

The Account Manager will promote genetic, molecular and mammalian toxicology services, along with PCR based assays and transgenic animal based toxicology studies. The Account Manager independently manages direct sales and telemarketing of toxicology services, prepares client specific program proposals, and responds to customer inquiries regarding status of orders. Position is based in Maryland, approximately 30% domestic travel.

Join us as we build on our 40-year commitment to scientific excellence. Our attractive compensation package includes a base salary plus commission on sales, stock options, profit sharing, a matching 401(k) plan, company paid employee group health insurance and 15 days paid personal leave. For immediate consideration please send resume with salary history to Human Resources Department:

Microbiological Associates, 9900 Blackwell Road, Rockville, MD 20850 Fax: (301) 738-1036 EOE m/f/v/d

EXECUTIVE DIRECTOR AMERICAN ASSOCIATION FOR ACCREDITATION OF LABORATORY ANIMAL CARE (AAALAC)

The Executive Director is the Chief Executive Officer of the American Association for Accreditation of Laboratory Animal Care (Rockville MD). Duties are in four areas: 1) operation of the AAALAC office; 2) Fiscal and personnel management for the Association; 3) oversight of the accreditation program; 4) professional spokesperson for the organization. In all matters, the Executive Director accepts policies formulated by the Board of Trustees and the Executive Committee and implements programs consistent with those policies.

The following qualifications are required: An earned postgraduate degree; Familiarity with the function of NIH, USDA, and other federal/agencies in animal care and use programs; Ability to communicate the position of AAALAC to professional and public constituencies. The following qualifications are desirable: Expertise in the management of nonprofit organizations; Experience in the administration of animal care and use programs; Familiarity with the role of AAALAC as an accrediting agency, and with the issues of animal care and use in research, teaching, and testing.

Send Resume and at least 3 letters of recommendation to: Hugh L. Evans, PhD, Chair, AAALAC Search Committee, Nelson Institute of Environmental Medicine, New York University Medical Center, Long Meadow Rd., Tuxedo, NY 10987.

VETERINARY TOXICOLOGIST

The Department of Physiological Sciences, College of Veterinary Medicine, University of Florida is seeking applications for a tenure track, assistant/associate professor level position in veterinary toxicology. The primary teaching responsibilities in the professional degree (DVM) curriculum will be in veterinary toxicology courses. The successful candidate will consult in clinical toxicology with college faculty and practicing veterinarians in Florida. This person is expected to develop a productive, extramurally funded program of research in an area of interest in toxicology. Both DVM and PhD degrees are required and certification as a Veterinary Toxicologist by the American Board of Veterinary Toxicology is preferred. It is anticipated that the successful candidate will also be an active participant in the University of Florida Center for Environmental and Human Toxicology. Interested individuals should send a letter of application, their curriculum vitae and names and addresses of three individuals who may serve as references to Dr. Alastair I. Webb, Search Committee Chairman, College of Veterinary Medicine, P.O. Box 100144, University of Florida, Gainesville, FL 32610-0144. The deadline for applications is March 1, 1996, with an anticipated start date of July 1, 1996.

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Watching Washington

Continued from page 3

to certify that each rule would not have such as impact. A third attempt to invoke cloture (to end debate and force a vote) on S. 343 failed on July 20, 1995. One of the reasons this legislation met with so much opposition was the inclusion of the controversial provision to repeal the Delaney Clause. This issue is expected to be revisited in 1996.

The FY 1997 Federal Budget

The President’s FY 1997 Budget Request is expected to be delivered to Congress in February. However, at this point, it is quite possible Congress will still be debating the FY 1996 budget! The President’s Budget cannot be finalized until agencies receive their 1996 appropriations - and the President had signed only 7 of the 13 appropriations bills as we went to press.

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Southeastern Chapter

The 1995 annual meeting of the Southeastern Chapter of the Society of Toxicology was held October 29-30 at the University of Georgia Continuing Education Center.

The meeting attracted 115 registered participants and was sponsored by the Southeastern Chapter, the University of Georgia Interdisciplinary Toxicology Program, and the College of Pharmacy. The meeting was hosted by Chapter President, Dr. Cham Dallas, of the University of Georgia Department of Pharmacology and Toxicology. The meeting began with an informal evening reception on October 29. The Monday morning poster session was followed by a luncheon and an afternoon symposium entitled "Molecular Approaches to Understanding Chronic Toxicity."

Symposium presentations included "Lipids as Mediators of Cellular Dysfunction" (Dr. Albert Merrill, Emory University), "Mercury Contamination in a Piscine Community" (Dr. Daniel Schlenk, University of Mississippi), and "Evidence for an Elevated (Orders of Magnitude) Mutation Rate at Chernobyl" (Dr. Robert Baker, Texas Tech. Univ.). The afternoon session concluded with awards to graduate students for exemplary poster presentations. There was a tie for first place in the poster competition. A first place award of $100 was presented to Anita Kanti, Environmental Health Sciences, Univ. of Georgia for her study entitled "Effect of Heavy Metals on Chondrogenic Differentiation of Embryonic Chick Limb Cells." A first place award was also presented to Jerry L. Campbell, Environmental Health Sciences, Univ. of Georgia for his study entitled "Effects of Solvents on Recovery of Selected Pesticides from an In-Vitro Porcine Skin Model." There was also a tie for the $75 second place award. A second place award went to Anna P. Bearden, Graduate Program in Environmental Toxicology and College of Veterinary Medicine, Univ. of Tennessee, for a study entitled "QSARs for Phenol Toxicity." A second place also went to Carol A. Gunnell, Dept. of Pharmacology and Toxicology, and Dept. of Foods and Nutrition, for her poster entitled "Brain Lipid Peroxidation and Evans's Blue Dye Extravasation as Markers of Blood Brain Barrier Disruption in Rat." The third place award was presented to Kevin A. Holman for his poster entitled "Patterns of Aneuploidy and Other Abnormalities in Blood Cell DNA in Fish from Chernobyl-Contaminated Regions in Ukraine."

Following Tuesday morning platform presentations, Dr. Thomas Goldsworthy, CIT, presented the keynote lecture entitled "Cell Cycle Controls: Influence on Toxic Responses." The meeting concluded with a brief business meeting in which preliminary plans were discussed regarding the next Chapter meeting.

Mid-Atlantic Chapter

Approximately 100 people attended the Mid-Atlantic Society of Toxicology Fall Symposium entitled Biotechnology Products: Toxicology Issues" on October 24, 1995. After welcoming remarks by MASOT president I.Y. Rosenblum, Dr. Anne Pilaro (FDA) discussed optimal biotechnology toxicity testing designs with the FDA registration procedure.

Dr. Maggie Dempster (R.W. Johnson Pharmaceutical Research Institute) reviewed the safety testing of monoclonal antibodies, while Dr. Theresa Kirley (Amgen, Inc.) proposed strategies for the safety evaluation of recombinant proteins. Issues surrounding gene therapy products were described by Dr. Bruce McCullough (Shering-Plough Research Institute).

Dr. Anne Mueller (Zeneca Plant Science) speculated on the future of food and agricultural biotechnology products. Mark your calendars for the Spring Symposium on Diet Restriction on April 25, 1996 to be held at the Schering-Plough Research Institute in Kenilworth, NJ.
UPCOMING CONFERENCES

- Western Pharmacology Society's 39th Annual Meeting, January 27-February 1, 1996, Granlibakken Conference Center, Lake Tahoe, CA. Dr. Ralph Purdy, WSP President, Department of Pharmacology, College of Medicine, University of California, Irvine, 92617; (714) 824-7633, Fax: (714) 824-4855, E-mail: repurdy@uci.edu.

- Symposium: Environmental Contaminants and Reproductive Health: Implications for Humans and Wildlife, February 21, 1996, Radisson Hotel, Gainesville, FL. Contact: Dr. Margaret O. James, Medicinal Chemistry, University of Florida, P.O. Box 100485, Gainesville, FL 32610-0485, (352) 392-5900, Fax: (352) 392-1972.


- Pathway Analysis & Risk Assessment for Exposure to Chemicals in the Environment, March 4-8, 1996, Kiahawa Island, SC. (312) 988-7667, Fax: (312) 649-9393.


- Society of Toxicology (SOT), March 10-14, 1996, Anaheim Convention Center, Anaheim, CA. (703) 438-3115, Fax: (703) 438-3113, E-mail: sotqg@societytoxicology.org.


- AAPS Workshop on the Impact of Technology Changes on Regulatory Methods for Pharmaceuticals, April 18-19, 1996, Crystal Gateway Marriott, Arlington, VA. AAPS, (703) 548-3000, Fax: (703) 684-7349, E-mail: meetings@aaps.org.


- Pharmacokinetics/Pharmacodynamics in the Developing System and Impact on Risk Assessment, April 21-23, 1996, Excelsior Hotel, Little Rock, AR. Contact: John R. Young, (301) 543-7200, Fax: (301) 543-7720, E-mail: young@fdanlnctrfda.gov or jyoung@esf.nctrfda.gov.

- Mid-America Toxicology Course, April 21-26, 1996, Holiday Inn Crowne Plaza, Kansas City, MS. Courses Director: Curtis D. Khassen, Ph.D., (913) 588-7714, Fax: (913) 598-7301.


- AAPS/FDA/USP Workshop on Scallop of Transdermal Drug Products, April 29-May 1, 1996, Crystal Gateway Marriott, Arlington, VA. AAPS, (703) 548-3000, Fax: (703) 684-7349, E-mail: meetings@aaps.org.

- Industrial Toxicology and Pathology, May 13-17, 1996, Urbana, IL. Course directors: Wanda Haschek-Rock, BVSc, PhD, Professor of Pathology and Irene Cook, DVM, PhD, Lecturer in Pharmacology, University of Illinois, Urbana, IL. Contact: L. Wink, Tel: (217) 335-2888, Fax: (217) 335-9561, E-mail: wink@uic.edu.

- Harmonization of State/Federal Approaches to Environmental Risk, May 20-21, 1996, Kellogg Center, Michigan State University, East Lansing, MI 48824. Prof. Michael Kamrin, (517) 353-5649, Fax: (517) 355-4603, E-mail: Kamrin@msu.edu.

- Course on Experimental and Clinical Neurotoxicology at Department of Nutrition Sciences, May 27-31, 1996, University of Porto, Portugal. Dr. Ana Paula Augusto, Curso Ciencias da Nutricao, University of Porto or Rua Dr. Roberto Frias, 4200 Porto Portugal, Fax: (351) 2-3504413.

- Teratology Society 36th Annual Meeting, June 22-27, 1996, Keystone, CO. Carol Lembire, (301) 571-1841, Fax: (301) 571-1852, E-mail: clemire@act.faseb.org or ekagrm@act.faseb.org.

- RASS VI, IUTOX-International Union of Toxicology, August 30-September 4, 1996, Royal Garden Village, Hua Hin, Thailand. RASS Secretariat, Malmors Consulting AB, Vastmannagatan 8, S-11325 Stockholm/Sweden, +46 8 319 19 90; Fax: +46 8 30 11 33.

- Third International Conference on Neuroprotective Agents, Clinical and Experimental Aspects, September 8-12, 1996, Villa Monastero, Varenna. Lake Como, Italy. Bruce Trembley, M.D., Chief Neurosurgery, VA Medical Center, Topeka, MA 06310, (207) 623-8411, ext 5053, Fax: (207) 623-5766 or William Slkker, Jr., Ph.D., Director, Division of Neurotoxicology, NCTR/FDA, Jefferson, AR, 72079, (501) 543-7203, Fax: (501) 543-7745, E-mail: wslkker@diant.nctrfda.gov.

- 2nd World Congress on Alternatives and Animal Use In The Life Sciences, October 20-24, 1996, Utrecht, The Netherlands, World Congress Alternatives 1996. FBU Congress Bureau, P.O. Box 80.125, 3508 TC Utrecht, The Netherlands, +31.30.53.5044/2728, Fax: +31.30.53.3667, E-mail: 1.donkers@pobox.nu.nl.

- Seventh North American ISSX Meeting, October 20-24, 1996, Hotel del Coronado, San Diego, CA. ISSX, P.O. Box 3, Cabin John, MD 20815 USA, Fax: (301) 363-3357.

PUBLICATIONS OF INTEREST

- Proceedings of Current Issues and New Frontiers in Animal Research, Kathryn A.L. Baynes, M.S., DVM, PhD, DipACLAM, Molly Greene and Ernest D. Prentice, PhD, eds., SCACW, 7853 Walker Drive, Suite 340, Greenbelt, MD 20770, Tel: (301) 345-3500, Fax: (301) 345-3503.

- The Search for Cures, a Pfizer White Paper that provides an in-depth look at the complexities of pharmaceutical research, Pfizer Inc, Liberty Place, Suite 1200, 325 7th Street, N.W., Washington, DC 20004, Tel: (202) 783-7070, Fax: (202) 347-2044.
### 1996 SOT Annual Meeting

**Program Overview**

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<th>Sunday, March 10</th>
<th>Monday, March 11</th>
<th>Tuesday, March 12</th>
<th>Wednesday, March 13</th>
<th>Thursday, March 14</th>
<th>Special Events Sponsored by the Society of Toxicology</th>
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<td><strong>Continuing Education Courses</strong>&lt;br&gt;8:00 a.m. - 12:00 noon&lt;br&gt;1. Advanced Topics in Toxicokinetics (repeated as course #4 in the afternoon)&lt;br&gt;2. Apoptosis: Recent Developments in Occurrence and Regulation (repeated as course #9 in the afternoon)&lt;br&gt;3. Toxicant Effects: Modulated by Steroid and Other Receptors: Modulation of Gene Expression and Other Cellular Responses&lt;br&gt;4. Epidemiology for Toxicologists&lt;br&gt;5. The Cell Cycle: Relationship to Toxic Responses&lt;br&gt;6. New Approaches for Studying Cythophora P450-Dependent Toxicant Metabolism&lt;br&gt;7. Aquatic Toxicology and Human Health Risk Assessment: Shelled Metabolic Pathways, Shared Mechanisms of Action, Plus Data at the Bottom of the Dose Response Curve&lt;br&gt;8. Advanced Topics in Toxicokinetics (same course as #1)&lt;br&gt;9. Apoptosis: Recent Advances in Occurrence and Regulation (same course as #2)&lt;br&gt;10. Mitochondrial Injury in Toxicology&lt;br&gt;11. The Female Reproductive System - How to Assess Potential Toxicity&lt;br&gt;12. Quantitative Uncertainty Analysis in Risk Assessment: Monte Carlo Techniques&lt;br&gt;13. De-Regulation of carcinogenic signaling by toxic agents&lt;br&gt;14. Applications of PCR Technologies to Molecular Toxicology</td>
<td><strong>Plenary Lecture</strong>&lt;br&gt;8:30 a.m.&lt;br&gt;Hazardous Waste: New Directions in Toxicology, Peter M. Santini</td>
<td><strong>Symposia</strong>&lt;br&gt;8:30 a.m.&lt;br&gt;Mitochondria: Their Role in Toxicology and Pathology</td>
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<td><strong>Symposia</strong>&lt;br&gt;8:30 a.m.&lt;br&gt;Regulation of Cell Proliferation and Apoptosis in Cancer</td>
<td><strong>Special Events Sponsored by the Society of Toxicology</strong>&lt;br&gt;4:00 p.m.&lt;br&gt;Registration Dinners&lt;br&gt;Saturday&lt;br&gt;2:00 p.m.&lt;br&gt;Undergraduate Educational Program&lt;br&gt;5:00 p.m.&lt;br&gt;Plenary Session: Seminar&lt;br&gt;5:30 p.m.&lt;br&gt;Welcome Reception&lt;br&gt;Monday&lt;br&gt;9:30 a.m.&lt;br&gt;Poster Session: Visting Students&lt;br&gt;12:00 noon&lt;br&gt;MH Lecture&lt;br&gt;1:30 p.m.&lt;br&gt;Splendid Workshop: Risk Communication and Toxicology&lt;br&gt;Compliance, Peter M. Santini&lt;br&gt;(A ticket is required to attend, please see Registration Form)</td>
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<td><strong>Plenary Sessions</strong>&lt;br&gt;8:30 a.m.&lt;br&gt;Overview of Toxicology and the Respiratory System&lt;br&gt;1:30 p.m.&lt;br&gt;The Application of Toxicology to Industrial Exposure</td>
<td><strong>Symposia</strong>&lt;br&gt;8:30 a.m.&lt;br&gt;Mitochondria: Their Role in Toxicology and Pathology</td>
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**Workshops**

- **Symposium on Toxicological Implications of Co-Exposure to Ultraviolet Light and Pharmaceuticals**
- **Symposium on Mitochondria: Their Role in Toxicology and Pathology**
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