



# ACADEMY OF TOXICOLOGICAL SCIENCES

Annual Newsletter, May 2010  
Vol. X



*Barbara D. Beck, ATS  
President*

It is my pleasure to write this 2010 President's message for the Academy of Toxicological Sciences (ATS).

The more I have worked with the ATS, first as a board member, then as vice-

president and now president, the more I have come to appreciate what it means to be a Fellow and how we, collectively, contribute to the field of toxicology. Our Web site states, "The vision of the Academy of Toxicological Sciences is to be recognized as the leading international organization that certifies toxicologists based on their education, professional experience, demonstrated achievement, proven ability, and scientific expertise." But in the context of fulfilling this vision, ATS functions as more than a certifying organization.

For example, over the past year, we have made an effort to lead the discussion on overarching issues that influence the principles of toxicology. As part of this effort, James S. Bus (chair) and I (co-chair) organized the roundtable, "Weighing Complex Data in Risk Decisions: Concepts of Evidence-Based Toxicology," at the 2010 Annual

SOT Meeting. Of the total four invited speakers, two were ATS Fellows; the room was full and the discussion lively. We have also begun to actively solicit new Fellows outside North America and Western Europe so as to promote the advancement of toxicology in less developed countries. Additional details on these and other activities are provided later on in this newsletter.

In support of these efforts, I would like to express my thanks and appreciation to those Board Members, Glenn Sipes and Ruth Roberts, who will rotate off the board in June 2010. Their contributions, especially in initiating and implementing new activities, have been invaluable and we hope they will continue to participate going forward. I also want to thank the other Board Members Daniel Acosta, Jr, Michael Aschner, James Bus (Vice-President-Elect), William J. Brock (President-Elect), Peter L. Goering (Secretary-Treasurer), Meryl H. Karol, James C. Lamb, IV and José E. Manautou for their efforts over the past year, and also extend my welcome to Lucio G. Costa, Lois D. Lehman-McKeeman, and MaryJane Selgrade, who were elected as new Board members and whose terms will begin in July 2010. At that time, William Brock will take on the mantle of presidency and James Bus will begin his term as Vice-President.

Finally, let me give many thanks to Marcia Lawson for assisting with all of ATS's efforts over the past year, as she has helped keep us on track with all the new initiatives we have undertaken. Additionally, ATS has made a contribution this year to provide travel support for the ATS Travel Award for the IUTOX2010 XII ICT Meeting in Barcelona. This award will help an early career scientist to attend this meeting who might otherwise not have the means to do so. In order to identify additional ways to enhance the image of ATS, a Work Group under the leadership of William Brock has also been formed. William is joined in these efforts by Shayne Gad, Ladd Smith, Glenn Sipes, and Ray York. More details on this activity are provided in another article in this news letter.

The Board of Directors is actively encouraging distinguished scientists, with whom Board members may already be acquainted, to apply to become Fellows of ATS. As mentioned previously, we are seeking members beyond North America and Western Europe in an effort led by Dan Acosta and Ruth Roberts. We look to you, our members, to identify and encourage appropriate individuals to apply for membership. We have found that a direct, personal approach is the most successful way to attract a new member.

In response to the positive feedback we received from the ATS Roundtable at SOT, we are proposing another session for the 2011 SOT Annual Meeting, which are also the 50<sup>th</sup> Anniversary of SOT and the 30<sup>th</sup> Anniversary of ATS. The emphasis of ATS submissions will be on

broad topics that touch on many aspects of toxicology, from basic to applied. Despite the economy, our financials are strong. We had a number of individual and corporate donors for the ATS Reception this year, as well as individual donors to general ATS activities. We are very grateful to these individuals and companies for their generous support. More details on our finances and special recognition of ATS Donors and Reception Sponsors are provided in this edition of the newsletter.

Since the last Annual Meeting, the following applicants have become ATS Fellows: Laura Andrews, David Basketter, Joy A. Cavagnaro, James D. Green, Kenneth L. Hastings, Saber M. Hussain, Hartmut Jaeschke, Kyle L. Kolaja, Michael C. Madden, Gerhard J. Nohynek, Orish Orisakwe, Lorenz R. Rhomberg, Jack T. Trevors, Cheryl Lyn Walker, and Errol Zeiger. I would also like to note that the following fellows have demonstrated their continued commitment to ATS by seeking and attaining recertification: William Brock, John J. Clary, Michel J. Derelanko, John M. DeSesso, Lawrence David Fechter, Bruce A. Fowler, Terry T. Martinez, Donald R. Mattison, Harihara M. Mehendale, Nancy A. Monteiro-Riviere, Dennis J. Paustenbach, and James L. Schardein.

Please read the rest of this newsletter for more detailed information about past and planned activities, as well as our financials. Please also feel free to contact me with any questions, comments, or concerns.

## HIGHLIGHTS

- Election Results
- Visibility Task Force
- 2010 Annual Meeting Session
- Secretary/Treasurer Report
- ATS Growth Thanks to Active Fellow Participation
- Membership and Member News

## Election Results – Incoming ATS Board of Directors

In February, ATS Fellows cast their ballots to elect new members to serve on the ATS Board of Directors. The ballot included an impressive list of candidates who stepped forward to serve the membership. We are pleased to welcome Lucio G. Costa, University of Washington, Seattle, Washington, Lois D. Lehman-McKeeman, Bristol-Myers Squibb Company, Princeton, New Jersey, and MaryJane Selgrade, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, to serve on the ATS Board. In addition, we express our gratitude to Syed Ali, FDA National Center for Toxicological Research, Jefferson, Arkansas; Peter N. DiMarco, Golder Associates Pty Ltd., West Perth, Western Australia, and Bryan D. Hardin, Veritox, Inc., Redmond, Washington, for participating as candidates in this election process.



**Lucio C. Costa**

Lucio G. Costa is Professor of Toxicology in the Department of Environmental and Occupational Health Sciences at the University of Washington and Professor of Pharmacology at the University of Parma Medical School. His research interests are in the field of neurotoxicology, particularly in the area of developmental effects and mechanisms of pesticides, alcohol, marine toxins, metals, and other environmental pollutants.



**Lois D. Lehman-McKeeman**

Lois D. Lehman-McKeeman is currently a Distinguished Research Fellow in Discovery Toxicology at the Bristol-Myers Squibb Company in Princeton, NJ. Lois has active research interests and programs broadly in biochemical mechanisms of toxicity, with emphasis on secondary mechanisms of carcinogenesis. She also is working to develop and apply metabolomic and transcriptomic technologies to mechanistic toxicology.



**MaryJane Selgrade**

MaryJane Selgrade is Chief of the Cardiopulmonary and Immunotoxicology Branch (CIB) of the Environmental Public Health Division (EPHD). Her research interests involve effects of xenobiotics on the immune system and consequences for infectious, neoplastic, and allergic diseases, underlying mechanisms, and biomarkers of effect. She is also generally interested in the health effects of exposure to air pollutants.

## **ATS Board Elects James S. Bus Incoming 2010-2011 Vice President and SOT Founders Award Recipient**



Dr. Bus is President–Elect of the Academy of Toxicological Sciences. After serving for one year in this capacity, he will become the President of the Academy. Congratulations to Jim. During the SOT 49<sup>th</sup>

Annual Meeting, his was the recipient of the SOT Founder’s Award for demonstrating “outstanding leadership in fostering the role of toxicological sciences in safety decision-making through the development and/or application of state-of-the-art application approaches that elucidate, with a high degree of confidence, the distinctions for humans between safe and unsafe levels of exposures to chemical and physical agents.”

## **Incoming President Bill Brock Leads Visibility Task Group Initiative**



The ATS has been in existence over 25 years. Did you know that? How many of our colleagues know what ATS is and what it stands for? For being in existence that long, it appears that the ATS needs to do more to create better name recognition and visibility.

Therefore, a task group was developed to create a strategic plan to further increase the recognition of ATS as a premier certifying body of senior leaders in our profession. Dr. Brock, Vice-President of ATS and incoming ATS President, has engaged Drs. Ladd Smith, Shayne Gad, and Ray York for help in creating this plan. They are only at the beginning of this initiative and already are looking at creating a survey to explore how Fellows view ATS and to what extent you see a benefit for ATS certification. In addition, ATS has sponsored symposia at the SOT Annual Meeting for the last two years, and that has led to greater name recognition and visibility. Thanks to Dr. Jim Bus for organizing the last session in Salt Lake City (see a review of that session in this Newsletter). Going forward, ATS may host other symposia and meetings that are expected to lead to greater visibility of our organizations. You are encouraged to provide comments and suggestions to Marcia Lawson ([mlawson@aim-hq.com](mailto:mlawson@aim-hq.com)) about how the Task Group can further “market” the ATS.

## **ATS Sponsored Roundtable on “Concepts of Evidence-Based Toxicology” Was Well-Received by Over 300 SOT Annual Meeting Attendees**

The Academy of Toxicological Sciences sponsored roundtable at the SOT 49<sup>th</sup> Annual Meeting, “Weighing Complex Data in Risk Decisions: Concepts of Evidence-Based Toxicology” drew a near capacity crowd of over 300 attendees. Chairpersons James S. Bus (ATS vice-president–elect) and Barbara D. Beck (president of ATS) described the goal of this session as introducing the topic of Evidence-Based Toxicology (EBT) and discussing its potential as a tool for moving complex mode-of-action datasets into regulatory decision-making. The medical community has initiated the practice of Evidence-Based Medicine (EBM), a data evaluation approach that has been used successfully to improve translation of complex clinical

information into effective medical practice. The principles and approaches of EBM offer significant opportunity for parallel application to complex problems in toxicology.

The presenters included ATS Fellows Phillip S. Guzelian, "Evidence-Based Toxicology: Learnings from Evidence-Based Medicine" and Lorenz R. Rhomberg, "Hypothesis-Based Approaches to Weighing Information of Complex Datasets." The exploration and discussion of EBT is of great importance to toxicology in that the ability to sustain core support for mode-of-action research is in part dependent on its efficient and reasoned incorporation into regulatory decision-making.

#### Thank You to Our 2009-2010 ATS Donors

In appreciation for the very generous support from the membership, please join us in thanking the members listed below who donated additional money to fund emerging initiatives:

William Allaben  
Barbara Beck  
Hugh Black  
Joseph Borzelleca  
William Brock  
Jack Dean  
Michael Derelanko  
Marion Ehrich  
Paul Donald Forbes  
Michael Gallo  
Peter Goering  
Gio Batta Gori  
Sidney Green  
Helmut Greim

Joseph Hanig  
Bryan Hardin  
Stephen Harris  
Mark Hite  
Ronald Hood  
William Kelce  
Bruce Kelman  
John Lipscomb  
Charlene McQueen  
Angelo Moretto  
Robert Osterberg  
Douglas Reid Patterson  
Timothy Phillips  
Lorenz Rhomberg

Leonard Ritter  
Ceinwen Schreiner  
MaryJane Selgrade  
I. Glenn Sipes  
William Slikker, Jr.  
Keith Solomon  
Christopher Teaf  
Peter Valberg  
Annetta Watson  
Garold Yost

#### ATS Finances Are Sound and Growing

The financial health of the Academy is very good. As of the date of this publication, our revenues were ahead of expenses by \$6,000. . Annual dues receipts brought in approximately \$21,725. Thirty-eight Fellows exceeded their annual dues payments and provided additional generous donations totaling over \$4,464. Fees for new applicants and recertification applicants were \$1100. Our annual reception and business meeting on March 10, 2010, was supported generously by contributions totaling \$4500 from 17 individuals or organizations.

## ATS BOARD OF DIRECTORS

The ATS fiscal year is July 2010 to June 2011. The gavel will be passed from ATS President Barbara Beck to Bill Brock who will work on the future activities of the Academy with the board members listed below.

### 2009-2010 Board of Directors

Barbara Beck, President  
William J. Brock, Vice President  
Peter Goering, Secretary / Treasurer  
I. Glenn Sipes, Past President

### 2009-2010 Board Members

Daniel Acosta  
Michael Aschner  
James S. Bus  
Meryl Karol  
James Lamb, IV  
José Manoutou  
Ruth Roberts

### 2010-2011 Board of Directors

William J. Brock, President  
James S. Bus, Vice President  
Peter Goering, Secretary/Treasurer  
Barbara Beck, Past President

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Michael Aschner  
Lucio G. Costa  
Meryl Karol  
James C. Lamb, IV  
Lois D. Lehman-McKeeman  
José Manoutou  
MaryJane Selgrade

Thanks to Ruth Roberts and I. Glenn Sipes for their Service on the ATS Board of Directors



Ruth Roberts



I. Glenn Sipes

## MEMBERSHIP

Congratulation to the New Fellows inducted into the Academy of Toxicological Sciences between March 2009 and May 2010. Laura Andrews, David Basketter, Joy A. Cavagnaro, James D. Green, Kenneth L. Hastings, Saber M. Hussain, Hartmut Jaeschke, Kyle L. Kolaja, Michael C. Madden, Gerhard J. Nohynek, Orish Orisakwe, Lorenz R. Rhomberg, Jack T. Trevors, Cheryl Lyn Walker, and Errol Zeiger.

ATS Fellows who sought and received recertification in the Academy include Bill Brock, John J. Clary, Michael J. Derelanko, John M. DeSesso, Lawrence D. Fechter, Bruce A. Fowler, Terry T. Martinez, Donald Mattison, Harihara M. Mehandale, Nancy A. Monteiro-Riviere, Dennis J. Paustenbach, and James L. Schardein. This growth has brought the number of ATS Fellows to 241.

### 2010 ATS Annual Business Meeting and Reception Great Success – Thank To Our Sponsors

Over 60 ATS Fellows gathered to renew long-standing friendships and to welcome the new ATS Fellows at the 2010 Annual Business Meeting and Reception held from 8:00 PM–10 PM at the Hilton Salt Lake City. Vice President Bill Brock presented Barbara Beck with a plaque in commemoration of her outstanding leadership of ATS. In 2011, ATS will be celebrating its 30<sup>th</sup> Anniversary and plans will be underway for a special celebration.

Dr. Beck thanked the board for their active involvement and noted that in addition to the plans underway by the newly formed ATS Visibility Task Group, the Board of Directors “is encouraging scientists with whom they are acquainted to become a fellow of ATS. Dan Acosta and Ruth Roberts have been strong proponents of including global outreach as an important component of this initiative.” ATS Donors and ATS Reception Sponsors were recognized by Dr. Beck and on signage prominently displayed at this event. The ATS Reception Sponsors are listed below.

#### Access BIO

Daniel Acosta, Jr., Fellow ATS

BioTox-Robert Kapp, Ph.D., Fellow ATS

William J. Brock, Brock Scientific Consulting, LLC  
Center for Toxicology and Environmental Health, LLC

ChemRisk LLP

John DeSesso, Fellow ATS

Exponent Inc.

#### Gad Consulting Services

Gradient

ILSI HESI

Lewis Kinter & Terry Timberlake Kinter

James C. Lamb, IV, Fellow ATS

Michael J. Olson, Fellow ATS

Reid Patterson Consulting, Inc.

Stratoxon LLC

Teratology Excellence for Risk Assessment (TERA)

### In Memoriam



Gabriel L. Plaa 1930-2009. Dr. Plaa was Professor Emeritus at the University of Montreal. He was recognized as a prominent educator and toxicologist.



THE ACADEMY OF TOXICOLOGICAL SCIENCES

1821 Michael Faraday

Reston, Virginia 20190

Website: <http://www.acadtoxsci.org>

Phone: 703.438.3103

Fax: 703.438.3113

Email: [mlawson@aim-hq.com](mailto:mlawson@aim-hq.com)