



# Society of Toxicology

## Inhalation and Respiratory Specialty Section



51st Annual  
Meeting of the  
Society of  
Toxicology  
to be held in  
San Francisco,  
California on  
March 11-15,  
2012

## Moscone convention Center

### INHALATION AND RESPIRATORY SPECIALTY SECTION (IRSS) NEWSLETTER

Dear IRSS Member:

As we enter our 30<sup>th</sup> Anniversary Year as a Specialty Section, our parent the Society of Toxicology is entering its 51<sup>st</sup> year of service in science. Last year was an exceptional one for the Society, and we anticipate that this 30<sup>th</sup> year will be great for us as well. As members of both, we have a great past and a greater future.

Although we were established in 1982, 30 years ago, this Newsletter was established in 1986, and so we celebrate our 26<sup>th</sup> Anniversary. So much for the numbers.

Last year, our specialty section submitted a manuscript entitled "A Comparison of the Inflammatory Response of the Lung to Inhaled Versus Instilled Particles in F334 Rats" (Fund.Appl. Tox. 24: 183-197, 1995) for inclusion in the SOT 50<sup>th</sup> Anniversary time Capsule. In Addition "Historical notes on the Inhalation and Respiratory Specialty Section as viewed from the Technical Committee Chair" was also included in the 50<sup>th</sup> Anniversary Time Capsule.

The Newsletter usually serves as a reminder of the last SOT Meeting, and provides a preview of what to expect for the upcoming meeting.

Last year at the Technical Committee Meeting we had two terrific speakers. One Dr. Jan Moser from DHS who talked about the Overestimation of Casualties From the Improper Use of Haber's Rule", while Dr. Juergen Pauluhn spoke on "Poorly Soluble Particles: Basic Generic Mechanisms". Some photos from this meeting are included.

Dr. George Woodall has recently notified me that what he has discussed at some of our technical committee meetings is now official. On 19 August 2011 the OECD published GD-153, the guidance document for the derivation of an acute reference Concentration (ARfC). The final document is available on-line at <http://www.oecd.org/dataoecd/41/60/48542016.pdf>.



This year, the Technical committee meeting will be Tuesday morning from 7:00 to 8:30 AM. Since this is the morning after our general meeting, I will announce the location then. In keeping with our Presidents's ideas in his letter in this edition, his suggestions include innovations and future perspectives. To this end, I have invited a bright new NRC Postdoc, who came to me from Johns Hopkins University, Dr. Daniel Angelini to talk on "Stem Cells in Inhalation toxicology".

Also in this Newsletter there is some information on the formation of the Toxicology History Association. Looking Forward to Seeing you all in San Francisco.

Harry Salem

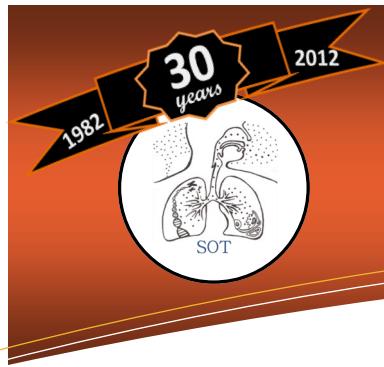
## PRESIDENT'S LETTER

Dear IRSS Members,

Last spring the Society of Toxicology celebrated its 50<sup>th</sup> anniversary at the annual meeting in Washington DC. I hope all of you had an opportunity to visit the amazing exhibits and participate in some of the festivities. The history of our specialty section and its members were well-represented. But a cause for celebration for IRSS members will continue for another year at the 2012 annual meeting in San Francisco, as our specialty section marks its 30<sup>th</sup> anniversary. Approved by Council in 1982, the Inhalation Specialty Section held its first meeting in Las Vegas in 1983 with James T. Stevens as President, and Don Gardner as Vice –President. Our section joined Metals, Mechanisms, Neurotoxicology and Reproductive Toxicology sections, which were formed in 1982, as only the fifth Specialty Section in SOT. As such, I consider the IRSS as one of the charter Specialty Sections. Today there are 27 sections, reflecting the evolution and diversity of toxicological sciences over the last 30 years. Our membership too has changed, as we updated our name in 2006 to include the word "Respiratory", which acknowledged the many facets of airway biology studied by toxicologists. Many of our members today conduct transdisciplinary research and have extended interests in nanotoxicology, occupational and public health, cardiovascular toxicology, immunotoxicology, metals, mechanisms and pathology, to name a few. I consider inhalation and respiratory as the core toxicological science, representing both a critical route of exposure, and an essential organ system connected to cardiovascular, immune and nervous systems. With over 300 members, the IRSS remains a strong and vital group in SOT and the international toxicology community. For those who have not seen the Spring newsletter, it contains a very nice review of key IRSS highlights as summarized by newsletters written by Harry Salem over the last 25 years.

Looking to the immediate future, we will celebrate our 30<sup>th</sup> anniversary with less pomp as the Society's 50<sup>th</sup> celebration. If you have any ideas how to recognize this milestone please contact myself or one of the IRSS officers. Your executive committee has been busy this spring and summer with creating and evaluating session proposals for the 2012 meeting in San Francisco. I hope you make an effort to attend. We have generous student and post doc awards made possible by the Mary Amdur endowment fund, and we make an effort to recognize both young and accomplished investigators with the Young Investigator and Achievement awards. Nominations for these honors, as well as the Paper of the Year Award are due in mid-December. Besides selecting meetings proposals and award winners, the executive committee is considering ways to include more membership involvement. This includes mechanisms for more member input into program proposals, nominations, education and outreach and other section business. We have not leveraged the Society's ToxChange network fully, and you may be aware that the Society has a significant online component with continuing education course, online meetings and webinars. We will be considering how to best use these digital formats for IRSS business and communications in the future. Thank you for your support of the specialty section and I look forward to the start of the next 30 years of the IRSS.

James Wagner



## 2011 IRSS Annual Meeting Minutes

1. Vincent Castranova opened the IRSS business meeting at 7 pm on March 9, 2011.
2. Vincent Castranova encouraged submissions of proposals for symposium, workshops, roundtable sessions and CE courses. Concepts should be sent to Mike Kleinman (Vice President) before April 18 for input. Final submission deadline to SOT is April 30<sup>th</sup>.
3. Vince Castranova announced that SOT is interested in supporting Global Initiatives. Proposals are due June 1, 2011, and the support level is \$4,000.
4. Vincent Castranova announced that SOT is willing to support scientific conferences as part of the Contemporary Concepts in Toxicology program. Proposals should be sent to SOT and support levels are as high as \$25,000.
5. Vincent Castranova encouraged continued contributions to the Mary Amdur Endowment.
6. JeanClare Seagrave (Past President) announced winners of the IRSS elections. Winners were M. Ian Gilmour (Vice-President), Amie K Lund (Secretary-Treasurer), Aimen K. Farraj (Councilor), Willie J. McKinney Jr. (Councilor), Patti C. Zeidler-Erdely (Postdoctoral Representative) and Christopher M. Carosino (Student Representative).
7. Dale Porter (Secretary-Treasurer) presented the budget report and called for approval of 2010 IRSS meeting minutes which were distributed in the latest IRSS newsletter. Minutes were approved.
8. Mike Kleinman announced the award winners. They were: Student Award (Angela Groves), Young Investigator (Andrea deVizcaya-Ruiz), Mary Amdur (Christina Lamb), Post-doctoral (Rajendran Sellamuthu) and Paper of the Year (Gi Soo Kang).
9. James Wagner announced that Dr. Clark Lantz was the winner of the 2011 Career Achievement Award. Dr. Lantz was introduced by Dr. Serrine Lau, a colleague from the University of Arizona. Dr. Lantz gave a few words of appreciation for the award.
10. James Wagner presented certificates of Appreciation to out-going Executive Committee members. They were: JeanClare Seagrave (Past President), Laura Van Winkle (Councilor), Amy Madl (Councilor), Medhi Hazari (Postdoctoral Representative), Dale Porter (Secretary-Treasurer) and a Gavel to Vincent Castranova (President).



11. Dale Porter presented certificates of Appreciation to Dr. Harry Salem for his long service to IRSS.
12. Richard Parent asked to address the IRSS membership. Dr. Parent indicated that a new edition of the book "Biology of the Normal Lung" is starting, and asked that IRSS members contact him if interested in contributing. Richard can be contacted at [rparent@consultox.com](mailto:rparent@consultox.com) or 207-563-2300.
13. Flemming Cassee announced the publication of the book *Cardiovascular Effects of Inhaled Ultrafine and Nano-Sized Particles*. This book provides a timely and detailed account of the complex issues that determine the impact of air pollution on the cardiovascular system. With contributions from world leaders in the field, it provides an up-to-date review of the key mechanisms involved in the induction and progression of these cardiovascular conditions. Flemming can be reached at [flemming.cassee@rivm.nl](mailto:flemming.cassee@rivm.nl).
14. For the record, the composition of the IRSS Executive Committee for the 2011-2012 year is as follows:

President	James Wagner
Vice President	Michael Kleinman
Vice President-elect	M. Ian Gilmour
Secretary-Treasurer	Amie Lund
Councilors	Flemming Cassee
	Jacob McDonald
	Aimen K. Farraj
	Willie J McKinney
Past-President	Vincent Castranova
Postdoctoral Representative	Patti C. Zeidler-Erdely
Student Representative	Christopher M. Carosino
15. James Wagner took over the meeting as incoming President. Jim opened the floor for any comments from IRSS membership. There being none, the meeting adjourned at 7:40 pm.

#### **SOT ON-LINE CONTINUING EDUCATION**

SOT and the Continuing Education Committee are pleased to announce the release of 15 NEW on-line CE courses from the 2011 Annual Meeting in Washington, D.C.



One of these courses may be of special interest to Inhalation and Respiratory Specialty Section members:

#### Comparative Biology of the Lung (2010)

These courses offer a great, low-cost way for toxicologists to expand professional development or stay current in the field of toxicology. Please consider promoting these courses in your newsletters and other communications to your members.

Many additional courses [http://www.toxicology.org/AI/ce/ce\\_video/index.asp](http://www.toxicology.org/AI/ce/ce_video/index.asp) are available from the 2009-2011 Annual Meetings.

Registration provides 30-day unlimited access to complete the course at any time or location. Course attendance certification letters are available upon completion of the course.

Graduate student and Postdoc members of SOT receive free access to the courses!

SOT Continuing Education courses contain carefully prepared, state-of-the-art information and now access to these quality courses is available 24/7. We appreciate your help in raising awareness of these valuable offerings.

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## TOXICOLOGY HISTORICAL ASSOCIATION

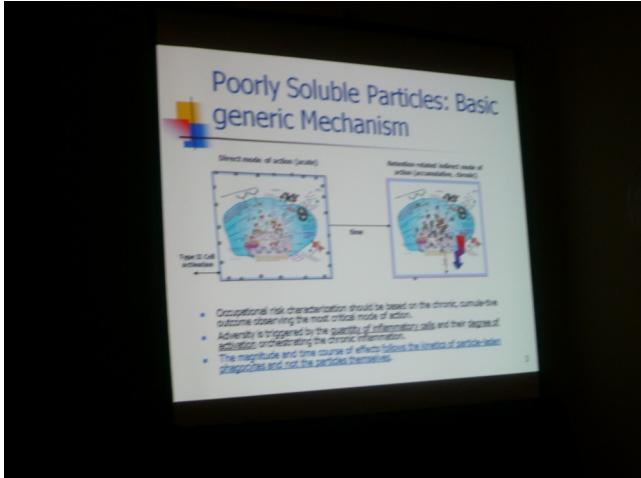
The recently formed Toxicology History Association (THA) is a scholarly society consisting of toxicologists, historians, and others interested in promoting the study of the history of toxicology and related fields, including, but not limited to, environmental health, occupational safety and health, risk sciences, etc. Its scope encompasses both research and clinical applications, and it collaborates with professional societies in these areas. It sponsors conferences, courses, colloquia, exhibits, and other educational programs and events to inform toxicologists and other scientists, and the general public, of the fascinating history of toxicology. Further, the THA explores the influence of history on contemporary toxicology, and its repercussions beyond the science, through laws and regulations, as well as societal and cultural impacts. The THA encourages the preparation of scholarly papers and books and seeks other electronic means, including the use of social media tools, to broadly disseminate information. For membership information and more --- <http://toxhistory.org>.

## INHALATION AND RESPIRATORY AWARD NOMINATION

DEADLINES of December 16, 2011:

- Career Achievement Award
- Mary Amdur Student Award\*
- Paper of the Year Award
- Postdoctoral Award
- Student Award
- Young Investigator Award

\*Indicates award funded through the SOT Endowment Fund. Full details can be found at [www.toxicology.org/ai/csot/fund\\_list.asp](http://www.toxicology.org/ai/csot/fund_list.asp).



Dr. Juergen Pauluhn's title slide



Dr. Vincent Castranova-past president at Technical Committee meeting



John Whalan (EPA) in foreground at meeting



Dr. Jan Moser making presentation



Drs Gunter Oberdorster, Juergen Pauluhn, George Rusch and Harry Salem