

Society of Toxicology

Inhalation and Respiratory Specialty Section



Message from the President

Dear IRSS Members,
The IRSS Committee is looking forward to meeting you at our evening reception on Monday March 23 in the Convention Center during SOT meeting in San Diego. Please note that on the same day we will have a Technical Committee presentation/breakfast meeting planned by Dr. Harry Salem, IRSS Technical Committee Chair (please refer to the details in his message on next page). We hope many of you will be able to attend this presentation. We have been busy behind the scene with a number of topics related to the ongoing events and the preparation for the SOT meeting. (Continued Inside!)



Urmila P. Kodavanti

IMPORTANT DEADLINES/DATES

IRSS Technical Committee meeting:

Monday March 23, 2015 6:30am
(Room 30A; Convention Center)

IRSS Reception:

Monday March 23, 2015, 6:00pm
(Room 30A; Convention Center)

**Submitting program proposals for the
specialty Section: April 30, 2015**

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SPRING 2015



54th Annual Meeting and ToxExpo™
March 22–26, 2015



A Message from the President:

Urmila P. Kodavanti

Most of you would have known the passing away of Dr. Donald E. Gardner on October 3, 2014. He was the first Vice-President of the IRSS and the founder and the Editor-in-Chief of Inhalation Toxicology for 25 years, in addition to being a great scientist! Dr. Gardner's contributions to our SS, to Inhalation Toxicology, and the toxicology research field are enormous. This is a great loss for the IRSS and to the entire toxicology community. We express our deep condolences to his family and friends. The peers of the IRSS and friends of Dr. Gardner have passionately worked on establishing a Gardner Endowment fund in recognition of the decades of unconditional contributions of Dr. Gardner. We hope that IRSS members and friends of Dr. Gardner will consider contributing to the Endowment fund and make it a great success! We will have a special program planned at our evening reception in recognition of Dr. Gardner and the announcement of a new Endowment fund in his name. This fund will culminate in a new IRSS award to promote education in Inhalation Toxicology, which Dr. Gardner passionately supported.

The SOT manages investing Endowment funds associated with different SS and the return is used for the awards instituted through respective SS. The IRSS is fortunate to have the Mary Amdur student award based on the established Amdur Endowment fund. Because of the growth of the fund and the 4% return, there is now additional yearly income and it is anticipated that this yearly return will be maintained for the coming years. SOT

Endowment Board advised us to spend the extra funds by giving additional awards to the IRSS trainees. We worked with the Amdur Endowment fund managers to propose new ways to spend the extra money and decide on the type of new award(s). While a full consensus was not reached this year, next year a decision will be made about additional awards. Based on the impressive submission of quality applications this year, we are happy to announce two Amdur Award recipients!

Please visit our webpage at <http://www.toxicology.org/ISOT/SS/irss/Index.asp>. Cara Sherwood, our Post-Doctoral representative has diligently worked on improving the IRSS website within the SOT main site. Feel free to send your suggestions for making it more informative.

Thanks to our sponsors of the reception, this year we will actually have good food! Annemoon van Erp, the best IRSS Treasurer has been a tremendous help in not only seeking sponsorships but also working with the SOT to make this possible. I look forward to seeing you all at the evening reception.

Urmila Kodavanti



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CAN GET INVOLVED
WITH SOT](#)





A Message about Awards, **Flemming Cassee**



Receiving awards is a nice recognition of the scientific achievements of individuals as well as their team. For this year's awards we received 8 applications for Paper of the Year, 2 for Young Investigator award, 15 for the Student award of which 9 also applied to the Mary Amdur award, and 5 applications for the Best Post-Doctoral Abstract award. The overall impression was that the quality of the submissions was very good and the board members had a hard time to judge and score all the applications. As every year, we managed to rank the applications and select the best. This year, we decided to assign two Mary Amdur awards based on the fact that the endowment fund allowed us to spend more money on awards.

Meet SOT Leaders: SOT is led by a group of full-time board members, called Councilors, who are elected by ballot by the full membership and who manage the affairs of SOT. [CLICK HERE](#) to learn more about SOT Leaders!



A Message from your Treasurer, **Annemoon van Erp:**



After a rather skinny year for the IRSS budget during 2013, our efforts at the 2014 Annual Meeting to recruit sponsors have paid off (see accompanying article). This has significantly padded the budget for the coming year, by an impressive amount of \$2,550! Income from memberships and meeting attendance (plus interest) during 2014 was \$7,034. The total expenses for 2014 (including a scaled-back reception and the IRSS Awards) were \$4,180. Thus, the funds grew by \$5,404 to a total of \$11,088. This is a much better position to be in for the coming year. The Mary Amdur Fund has also been doing very well.

With generous contributions from members, the fund grew from \$61,048 on June 30, 2013 to \$75,233 on June 30, 2014. This allows the IRSS to give out two Mary Amdur Endowment Awards during the 2015 Annual Meeting. A big Thank You to all of the IRSS members and sponsors: DSI, EMKA, and Vitrocell!

WHAT IS TOXICOLOGY?

According to
Dr. Jay Goodman,
Professor of Pharmacology
& Toxicology at Michigan
State University
SOT Past Pres.
1999-2000

**Toxicology Is Part Of
The Solution!**

[Click Here to listen to
Dr. Goodman speak](#)





IRSS Membership



Our membership has grown steadily and is still growing. The continuing success of the IRSS portrays the interest of the membership, especially the program that the members bring forth and the collaboration of IRSS members with SOT in general as well as with other SS's.

The IRSS provides a great opportunity for scientists interested in Inhalation/Respiratory System toxicology. With the recognition of the systemic and metabolic impact of inhalants, there is even greater interest and research opportunity than in the past. Since inhalation serves as the most important route of entry into the body for many drugs, particles, pollutants, gases, and nano-materials, pulmonary exposure provides a key link to a wide range of subsequent toxic reactions in other organ systems.

"Poison is in everything, and no thing is without poison. The dosage makes it either a poison or a remedy." ~ Paracelsus

The benefits of membership include the opportunity:

- 1) to collaborate/interact with individuals having common interests in the field;
- 2) to get involved with the SOT Annual Meeting program development;
- 3) to apply for a wide array of IRSS awards; and,
- 4) to participate in any number of IRSS committee activities. It is also important to encourage graduate students to join and to remind them that SOT waives the membership fee for the SS if this is their first choice of a selected SS.



IRSS Sessions at 2015 Meeting in San Diego

We are pleased to let you know that the following IRSS-sponsored sessions were accepted for the 2015 SOT meeting in San Diego. Jake McDonald, IRSS Vice-President is the program chair. IRSS was the main sponsor on 5 accepted sessions and co-sponsor on 2 accepted sessions. This is a very impressive outcome!!! Many thanks to those who submitted these superior proposals.

Symposium "Comprehensive Analysis of Nano Silver Toxicity Profiles: Known, Unknown, and Surprises!"

Symposium "Epigenetics, Developmental Programming, and Immune Function: Where Do We Go from Here?"

Symposium "Immune Responses to Different Classes of Inhaled Particulates: Unique vs. Shared Responses and Mechanisms"

Symposium "New and Emerging Tobacco Products—Biomarkers of Exposure and Injury"

Workshop "Pulmonary Toxicity of Graphene Nanomaterials: An Emerging Concern in Manufacturing and Applications?"

Roundtable "Confronting and Overcoming the Barriers to Sharing Toxicological Research Data for Risk Assessment in the 21st Century"

"Seven proposals accepted out of 15 submitted."

What a GREAT yield for 2015!"



There were a few sessions that were not accepted for 2015 program. We encourage the Chairs to resubmit their session proposals for the 2016 program, taking advantage of feedback provided by the Program Committee. We look forward to the meeting in San Diego, CA.



Developing Program Proposals for SOT 2016!

The IRSS Program Committee consists of the current officers and all four Councilors. A number of factors are considered in this process. The SOT 2016 proposal submission deadlines are likely to be during April 2015, so it is not too early to start thinking about potential themes and topics. Flemming Cassee, our Vice-President is the Program Committee Chair for the SOT 2016 program, so please send the proposals to Flemming (flemming.cassee@rivm.nl). I would like to encourage rising scientists to look beyond their comfort zone and start thinking about some proposals in areas of wide interest that will make a positive impact for the IRSS at SOT 2016.

As we have stated before, proposals that had been deemed important but not accepted by the Program Committee in prior years could be modified and considered for re-submission. Although a proposal may be submitted at the SOT website up until the deadline set by SOT (generally April 30), it is advised that the IRSS Program Committee receives those by April 15. The proposals then will have to undergo IRSS review and recommendation to the SOT Program Committee. The IRSS Program Committee provides useful suggestions for improvement/recommendation. The SOT also considers Continuing Education courses via sponsored webinars.

Ideas for future webinars should also be submitted to Flemming Cassee so that the process of soliciting and organizing webinars can be initiated through SOT. The IRSS Program Committee hopes that the members will consider submitting innovative proposals for SOT 2016 scientific program.



"Dedicated to Creating a Safer and Healthier World by Advancing the Science of Toxicology"

**Donate to the
Endowment
Fund!
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for more info**



Gratitude is a currency that we can mint ourselves, and spend without fear of bankruptcy.

~ Fred De Witt Van Amburgh

Deadline for Proposals for SOT 2016 Annual Meeting Sessions: April 30, 2015

Session Types

Continuing Education—Emphasis on quality presentations of generally accepted, established knowledge in toxicology

Note: CE courses will be held on Sunday.

Symposia—Cutting-edge science, new areas, concepts, or data

Workshops—State-of-the-art knowledge in toxicology

Roundtables—Controversial subjects

Continuing Medical Education—Emphasis on state-of-the-art knowledge to assist medical doctors, health professionals, and researchers in lifelong learning for providing high-quality health care

Note: Any session type may be considered for CME.

Why Submit a Proposal?

1. To present new developments in toxicology
2. To provide attendees with an opportunity to learn about state-of-the-art technology and how it applies to toxicological research
3. To provide attendees with an opportunity to learn about the emerging fields and how they apply to toxicology

Historical Highlights—Review of a historical body of science that has impacted toxicology

Informational Sessions—Scientific planning or membership development

Education-Career Development Sessions—Sessions that provide the tools and resources to toxicologists that will enhance their professional and scientific development

Regional Interest—Central topics of relevance that describe public health and/or ecological problems of a particular region

Submit your proposal online at www.toxicology.org



Technical Committee Speakers



Dr. Robert Kristovich, Edgewood Chemical Biological Center

The Toxicology Program at the US Army Edgewood Chemical Biological Center has a rich history of performing toxicology studies with chemical warfare agents (CWCs) and other compounds of interest to the US Army. Recently, our program has shifted focus towards performing toxicology studies with field relevant conditions. As part of this, we have performed inhalation toxicology studies with live nano-metal flake obscurant filled grenades as the aerosol cloud dissemination and aerosolized chemical warfare agent VX. This has led to the determination novel LCt50s for VX aerosol and the determination of new mechanisms of action for inhaled obscurant materials. These new studies have greatly enhanced our understanding of the threats the soldier may face on the battlefield with broad application to other occupational exposure scenarios.

MONDAY
MARCH 23rd
0600 - 0800 AM
Room 30A;
Convention Center

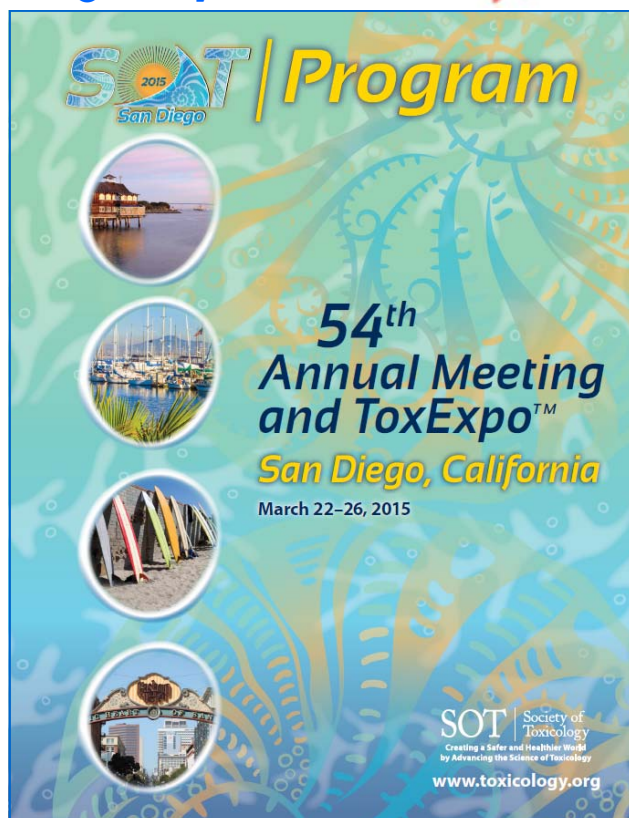


Mr. John Whalan, Environmental Protection Agency

Iris Camacho and John Whalan participated in the drafting of the OECD inhalation test guidelines (TGs 403, 436, 412, and 413) and GD 39 several years ago. They were recently assigned to co-chair another OECD project to revise the guidelines and GD 39 for the testing of manufactured nanomaterials (NMs). John Whalan will provide a brief overview of this project.



DOWNLOAD THE 2015
PROGRAM SIMPLY BY
CLICKING IT!





A Message from Annemoon van Erp

IRSS Secretary / Treasurer



.....to our
Sponsors!

At the IRSS Reception in March 2014, it became clear that the finances of the Specialty Section were not in good shape, as evidenced in the rather meager food offering for IRSS members to enjoy. Although the IRSS Mary Amdur Endowment Fund has been doing very well, the core budget has been on a downward trajectory due in large part to the increasing costs of the Reception hosted at the conference hotel. This led to the decision by IRSS officers to cut back on spending for the 2014 Reception.

Following an urgent plea by the IRSS for companies to consider sponsoring the Specialty Section, three companies graciously stepped up to the challenge and have provided sponsorship to the IRSS for a combined total of \$2,550. We are very grateful for their contributions, which have nursed our budget back to a healthy level. This makes it possible to hold a proper reception again during the 2015 Annual Meeting in San Diego. We know you will all look forward to that.

Here, we would like to thank and acknowledge our sponsors (in alphabetical order):



Click each
company logo to
visit their webpage

We invite you to join us in thanking them during the Reception and encourage you to visit their booths during the Tox Expo. Without them, the Reception might again be featuring chips and dips. In addition, a healthy budget makes it possible for the

IRSS to consider additional ways to benefit the membership, for example by increasing the number of awards or stipends given in the future, if the budget continues to stay healthy. That is very good news indeed.

A Very Big **Thank You** to
DSI, EMKA, and Vitrocell!



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Society of Toxicology 55th Annual Meeting and ToxExpo

*New Orleans, Louisiana
March 13-17, 2016*



Mark Your Calendar!

