

NEWSLETTER

Inhalation and Respiratory Specialty Section

of the Society of Toxicology

Message from the president



Although it looks as if the changes in the executive committee took place during the reception at the SOT Annual Meeting in New Orleans, effectively the new EC members started on the 1st of May. We can look back at a very successful Annual Meeting for which IRSS members have initiated several well-attended sessions. In the meantime, proposals for the 2017 meeting have been submitted and the program committee has informed the authors about the provisional selections. I'd like to remind our members that the IRSS will celebrate its 35th anniversary in 2017 and you are encouraged to suggest special activities either during the Annual Meeting or during the rest of the year. Please send these to our secretary Laura Van Winkle at lvwinkle@ucdavis.edu. Meanwhile, I hope you all will submit abstract for the upcoming SOT Annual Meeting.

Flemming Cassee

The IRSS Meeting at the 55th SOT Annual Meeting on Monday March 14th was called by Jake McDonald to provide members the most relevant information of the activities taken place and to introduce the new IRSS SOT officers and representatives:



■ Debra Laskin VP elect



■ Sarah Carratt graduate student representative



■ Jaime Mirowsky postdoctoral representative



■ Councilors Irfan Rahman and Andrea De Vizcaya Ruiz join continuing councilors Dan Conklin and Patti Erdely.



Michelle Hernandez & Jake McDonald

During the IRSS Meeting recognition was given to the outgoing counselors Matthew Reed and Mehdi Hazar and the outgoing postdoctoral and graduate student representatives Jonathan Shanahan and Michelle Hernandez, who said a few words about their SOT duties as part of the Specialty Section and SOT. Urmila Kodavanti was the outgoing past president.

The Inhalation and Respiratory Specialty Section provides a focus for members of the Society of Toxicology interested in the impact of airborne chemicals and particles on the body. Issues of interest include indoor and outdoor air pollution, occupational exposure to airborne contaminants, therapeutic drug delivery by inhalation, deposition and pharmacokinetics of agents delivered by the inhalation route, and interactions between inhaled materials and infectious allergic stimuli.

www.toxicology.org/groups/ss/IRSS



SESSIONS

It was announced by Jake McDonald that the technical committee would only meet on an as needed basis. Recognition and acknowledgement to **Harry Salem** for work in the technical committee and efforts on the newsletter was mentioned. Historically, IRSS was formed in 1982 and the technical committee and their accomplishments including the Newsletters have happened since.



Also during the Meeting Flemming Cassee presented the status of IRSS supported sessions for the SOT Meeting. Fifteen sessions requested IRSS support; we endorsed 8 and 5 of those were included in the program:

Proposals:

- 8 Symposia
- 4 Workshops
- 1 Roundtable
- 1 CE Advanced
- 1 Regional Interest/Historical Highlights.

- Symposium: The Promise and Reality of Alternative Methods in Inhalation Toxicology and the Development of Inhaled Therapeutics
- Symposium: Health and Environmental Hazard Assessments of Nanomaterials Along Their Lifecycle
- Historical Highlights: Toxicologic Legacies of Major 21st Century Man-Made/Natural Disasters.
- Workshop: Maternal Exposure to Nanoparticles—How Does It Affect the Fetus? Status, Mechanisms, and Future Directions
- Workshop: Transient Receptor Potential A1 (TRPA1) Cation Channels: Fluttering Hearts, Headaches and Hot Flashes—Can One “Environmental Sensor” Be the Cause of All the Pain?.

The Section meets at the SOT Annual Meeting to promote a better understanding of inhalation and respiratory tract toxicology, to recognize students and colleagues for notable contributions to research, and to address issues of importance to this field. Committees within the Section meet regularly to write issue papers and discuss topics for Symposia, Workshops and Continuing Education Course.

FINANCES



Finance update was presented by the Secretary/Treasurer **Laura Van Winkle** confirming the financial stability of the IRSS. Starting balance was \$11,344.04. Annual Meeting expenses were \$8,585.09 with an anticipated balance after the annual meeting of \$2,758.05.

IRSS membership numbers are up: 322 active members. IRSS members should encourage Specialty Section membership for students and colleagues.

Also, there is an SOT initiative offering Supplemental Training for Education Program (STEP) for graduate students. This pilot program will enable outstanding doctoral students to pursue training in identified areas of professional/scientific development that are necessary for them to achieve their career goals but outside the immediate scope of their graduate training and research program. See [SOT website](#) for details, deadline October 9.



Debra Laskin in discussion with Ilona Jaspers

AWARDS



John Hotchkiss presented the awards:

- **Paper of the Year:** Kazuyoshi Kumagai et al and accepted by co-author Jim Wagner.

The paper was published in the American Journal of Respiratory Cell and Molecular Biology in 2015 titled “Ozone-induced nasal Type 2 Immunity in Mice is Dependent on Innate Lymphoid Cells” and was co-authored by K. Kumagai, R Lewandowski, D Jackson-Humbles, N Li, S Van Dyken, J Wagner and J Harkema.

- **Student Awards:**

- ⇒ **Graduate Student Award - Dilshan Harischandra** from Iowa State University mentored by Anumantha Kanthasamy.
- ⇒ **Mary Amdur Student Award - Matthew Marshall** from New York University (NYU) mentored by Lung-Chi Chen.
- ⇒ **Mary Amdur Student Award - Parker Duffney** from University of Rochester mentored by Patricia Sime.
- ⇒ **Postdoctoral Award - Sridhar Jaligama** from the University of Tennessee Health Science Center mentored by Stephania Cormier
- ⇒ **Donald E. Gardner Award** went to **Katherine Zychowski** from University of New Mexico, mentored by Matt Campen, for travel to Michigan State University for training on use of a mobile air pollution laboratory.

- **Young Investigator Award** winner was **Aaron Erdely** from Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (CDC-NIOSH).

AWARDS (cont..)

Terry Gordon presented the **career achievement award**:



- **Lung-Chi Chen** from New York University. Lung-Chi was recognized for his outstanding productivity and influence on the science of inhalation toxicology and his “Renaissance” approach to life. Several of Dr. Chen’s current and past students were present, as well as present students.

NEW BUSINESS AND ANNOUNCEMENTS



Dan Costa proposed a re-envisioning the technical committee as a communications committee that would create summary papers from IRSS symposia, CE etc. from SOT to be published. The example given was this year’s *In Vitro* Symposium on approaches to respiratory toxicology. Action for the EC



Terry Gordon introduced the concept that we should advocate for only one membership category in SOT. Action for the EC

NOTES



Flemming Cassee, new IRSS president, recognized the immediate past president **Jake McDonald** although changes officially take place by the 1st of May.

IRSS members are encouraged to develop a webinar or a Continuing Education Course and are reminded that planning should be done promptly since deadlines are soon. Please contact any IRSS officer to begin development of your ideas and to receive feedback.

Your contributions for the next Newsletter (fall 2016) can be send to **Andrea De Vizcaya-Ruiz** at avizcaya@cinvestav.mx

IRSS members are reminded of important upcoming International Meetings:

- 11th International Particle Toxicology Conference - September 26 to 30, 2016 in Singapore (<http://iptc2016.sg/>).
- International Congress of Toxicology – October 2 to 6, 2016 in Mérida Yucatán, México (<http://ict-mexico2016.org>).

AWARD WINNERS

