

NAME OF SPECIALTY SECTION *In Vitro* and Alternative Methods

ANNUAL REPORT: 2017-2018

May 1, 2017 to April 30, 2018

I. Officers/Committees:

<u>Officers</u>	<u>2016-2017</u>	<u>2017-2018</u>
President:	Amy J Clippinger	Barbara A Wetmore
Vice President:	Barbara Anne Wetmore	Warren M Casey
Vice President-Elect:	Warren M Casey	Pamela J Spencer
Secretary/Treasurer:	Jill C Merrill	Jill C Merrill
Past President	John “Jack” R Fowle	Amy J Clippinger
Councilors:	Catherine E Willett	Agnes Karmaus
	Katie Paul Friedman	Katie Paul Friedman
PDA Representative:	Susanne Ramm	Huan Wang
GSLC Representative:	Georgina Harris	Georgina Harris
Vice Student Representative:		Robert G Nichols

PROGRAM COMMITTEE

2017-18 = Warren Casey (Chair), Barbara Wetmore (Vice-Chair), Amy Clippinger, Agnes Karmaus, Pamela Spencer, Jill Merrill, Katie Paul-Friedman, Susanne Ramm

COMMUNICATIONS COMMITTEE

2017-18 = Katie Paul-Friedman (Chair), Agnes Karmaus (Vice-Chair), Warren Casey, Barbara Wetmore, Jill Merrill, Huan Wang, Georgina Harris, Robert Nichols

NOMINATING COMMITTEE

2017-18 = Katie Paul-Friedman (Chair), Amy Clippinger, Barbara Wetmore

AWARDS COMMITTEE

2017-18 = Barbara Wetmore (Chair), Pamela Spencer (Vice-Chair), Amy Clippinger

MEMBERSHIP COMMITTEE

2017-18 = Amy Clippinger (Chair), Barbara Wetmore (Vice-Chair), George DeGeorge

II. Activities:

2018 SOT Annual Meeting Reception was combined with the Business Meeting and held in San Antonio, Texas on Wednesday, March 14, 2018 from 6:00 PM to 7:30 PM.

Approximately 130 people were in attendance.

Dr. Wetmore called the business meeting to order at 6:46 PM.

Business Meeting Speaker: summarized below under “2018 SOT Annual Business Meeting”

Meeting Minutes: (see Attachment I)

II. 2017 – 2018 Activities:

Summary: In early 2017 the IVAM SS polled its membership for input on the ongoing activities of the specialty section. Based on this feedback, many of the events and activities in the 2017-2018 term were responsive to this polling, particularly with regard to providing more networking opportunities to the graduate student and postdoctoral members and in providing more webinars. Based on member input, IVAM will contribute \$500 to a mentoring reception being hosted by IVAM and two other SS (Mechanisms and Molecular & Systems Biology) during the annual meeting held Tuesday, March 13, 2018 at 6:30-8:30 pm. The IVAM business meeting was also combined with an evening reception (Wednesday, March 14 at 6:00-7:30 pm).

2018 SOT Annual Meeting Activities:

The IVAM Annual Business Meeting was held at the Grand Hyatt Texas C conference room, in San Antonio, TX on March 14, 2018.

Approximately 130 people were in attendance.

IVAM members participated in an organized networking session for the first 45 minutes of the meeting followed by the IVAM business meeting.

Dr. Wetmore began the business portion of the meeting at 6:46 pm by providing IVAM community updates for the past year, including items listed below. The student and post-doctoral report was presented by Dr. Harris and Dr. Nichols. Dr. DeGeorge presented the IVAM membership statistics and the MB research award. Dr. Spencer presented the IVAM student and post-doctoral awards and Dr. Casey then announced the incoming IVAM officers and thanked the outgoing officers.

1. IVAM officers provided letters of nomination for Anna Lowit for the 2018 SOT Animal Welfare award. Ultimately, she was selected as the 2018 winner of this award.
2. Presented several webinars (listed below)
3. Reviewed 40 session proposals submitted in 2017 for the 2018 Annual Meeting. IVAM was tied for second with the Risk Assessment Specialty Section regarding the number of requests for endorsement. Of the 40, the SOT Scientific Program Committee selected 17 sessions for inclusion in the 2017 program.

IVAM Mentoring Event:

In response to IVAM's 2017 poll to members and request for additional networking opportunities, we cohosted an evening networking mixer on Tuesday, March 13, 2018 from 6:30-8:00PM, in addition to our annual reception. IVAM officers served as table mentors for various sectors (i.e. academia, government, industry).

IVAM Student Awards:

1st place student: Modeling Toll-like receptor 4-mediated apoptosis resistance in lung fibroblasts to investigate pulmonary fibrosis pathogenesis – Kelly Hanson, University of Rochester

IVAM Postdoctoral Award:

1st Place – Diesel Exhaust Particles Downregulate PI3K/Akt/mTOR Signaling and Mitochondrial Bioenergetics in A Novel Organotypic Model of the Airway Microenvironment. -- Samantha Faber, UNC at Chapel Hill/U.S. Environmental Protection Agency

2018 SOT Annual Meeting Courses/Sessions:

Reviewed 31 session proposals submitted in April, 20167 for the 2018 Annual Meeting. IVAM was tied for second with the Risk Assessment Specialty Section for the highest number of requests for endorsement. Of the 31, the SOT Scientific Program Committee selected 6 of the 18 symposia, 5 of the 9 workshops, and 3 of the 4 Continuing Education courses for inclusion in the 2018 program.

Endowment Fund Details:

None

Webinars:

Webinar presented by the Graduate Student and Postdoctoral Winners of the 2017 IVAM Specialty Section Awards on May 18, 2017:

Fabian Grimm, PhD, Texas A&M University presented “Diversity in a Dish: A Human Population-Based Organotypic *In Vitro* Model for Cytotoxicity Testing”

Rachel Shaffer, University of Washington presented “Lifestage-Specific Modeling Platform for Adverse Outcome Pathways of Male Reproductive and Developmental Processes”

Johanna Nyffeler, University of Konstanz presented “Development and Application of an In Vitro Human Neural Crest Cell Migration Assay”

Webinar presented by IVAM SS June 7, 2017 by Louis Scarano, PhD, USEPA, titled “TSCA as Amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act: The New Future for Alternative Test Methods” and by Kate Willett, PhD, Humane Society of the United States titled “The Role of Non-Animal Safety Assessment Methods in Implementation of the New TSCA”.

Webinar presented by IVAM SS October 25, 2017 by Warren Casey, PhD, NICEATM, titled “The “V” Word: Ongoing efforts to assess the validity of *In Vitro* and Alternative Methods for chemical safety assessment”; Patience Brown, PhD, OECD, titled “Performance Based Validation Approaches at OECD”; Raja Settivari, PhD, Dow Chemical Co., titled “Evaluation of Alternative Methods for Assessing Acute Toxicity of Mixtures”

White Papers:

None.

Contributions to SOT website:

None

Other Specialty Section 2017-2018 Activities:

None