

***In Vitro* and Alternative Methods Specialty Section
ANNUAL REPORT: May 1, 2016 to April 30, 2017
August 1, 2017**

I. Officers/Committees:

<u>Officers</u>	<u>2015-2016</u>	<u>2016-2017</u>
President:	John (“Jack”) R. Fowle III	Amy J. Clippinger
Vice President:	Amy J. Clippinger	Barbara A. Wetmore
Vice President-Elect:	Barbara A. Wetmore	Warren Casey
Secretary/Treasurer:	Abigail C Jacobs	Jill Merrill
Past President	Hans A. Raabe	John (“Jack”) R. Fowle III
Councilors:	Haitian Lu	Catherine E. Willett
	Catherine E. Willett	Katie Paul Friedman
PDA Representative:	David Pamies	Susanne Ramm
GSLC Representative:	Troy David Hubbard	Troy David Hubbard
Vice Student Representative:	Georgina Harris	Georgina Harris

PROGRAM COMMITTEE

2016-17 = Amy Clippinger (Chair), Barbara Wetmore (Vice-Chair), Jack Fowle, Warren Casey, Susanne Ramm, Troy Hubbard, Georgina Harris

COMMUNICATIONS COMMITTEE

2016-17 = Catherine Willett (Chair), Katie Paul Friedman (Vice-Chair), Jack Fowle, Amy Clippinger, Barbara Wetmore, Jill Merrill, Susanne Ramm, Troy Hubbard, Georgina Harris

NOMINATING COMMITTEE

2016-17 = Catherine Willett (Chair), Jack Fowle, Amy Clippinger

AWARDS COMMITTEE

2016-17 = Warren Casey (Chair), Barbara Wetmore (Vice-Chair), Amy Clippinger, Jack Fowle

MEMBERSHIP COMMITTEE

2016-17 = Jack Fowle (Chair), Amy Clippinger (Vice-Chair), Susanne Ramm, Troy Hubbard, George DeGeorge

II. 2016 – 2017 Activities:

Summary: In early 2016 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 2016-2017 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. With this in mind, IVAM sponsored a networking mixer held at the 2017 SOT Annual Meeting. More details are provided below.

2017 SOT Annual Meeting Activities:

The IVAM Annual Business Meeting was held at the Hilton Baltimore, Holiday Ballroom 4, at the Convention Center in Baltimore, MD on March 14, 2017.

Approximately 130 people were in attendance.

IVAM members participated in an organized networking session for the first 20 minutes of the meeting while eating lunch. This networking opportunity was held to meet an IVAM member need identified in a 2016 poll of members.

Dr. Clippinger began the business portion of the meeting at 12:35 pm by thanking members for participating in a successful IVAM networking event the night before and by highlighting key IVAM activities over the past year, including items listed below. Dr. Wetmore then announced the incoming IVAM officers and thanked the outgoing officers. The student and post-doctoral report was presented by Mr. Hubbard and Dr. Ramm. Dr. DeGeorge presented the IVAM membership statistics and the MB research award. Dr. Casey presented the IVAM student and post-doctoral awards and Dr. Willett presented the door prizes before closing the meeting.

1. IVAM officers provided letters of nomination for David Allen for the 2017 SOT Animal Welfare award. Ultimately he was selected as the 2017 winner of this award.
2. IVAM officers facilitated table discussions at the Colgate Palmolive In Vitro luncheon held at the 2017 SOT meeting
3. IVAM officers participated in SOT's "Chat with an Expert" program
4. Presented several webinars (listed below)
5. IVAM student and postdoc reps were active participants in the GSLC and helped plan and conduct meetings
6. Reviewed 31 session proposals submitted in 2016 for the 2017 Annual Meeting. IVAM was tied for second with the Risk Assessment Specialty Section regarding the 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 2017 program.
7. Revised and modernized the IVAM logo and webpage

IVAM Mentoring Event

In response to IVAM's 2016 poll to members and request for additional networking opportunities, we hosted an evening networking mixer on Monday, March 13, 2017 from 7:30-9:00PM, in addition to our annual luncheon.

IVAM Student Awards:

1st Place (tie) - Rachel Schaffer, University of Washington, "Lifestage-Specific Modeling Platform for Adverse Outcome Pathways of Male Reproductive and Developmental Processes"

1st Place (tie) - Johanna Nyffeler, University of Konstanz, "Non-dioxin-like polychlorinated biphenyls modify gap junctions to specifically disturb human neural crest cell migration"

IVAM Postdoctoral Award:

1st Place – Fabian Grimm, Texas A&M University, “Diversity in a dish: A population-based organotypic human *in vitro* model for cardiotoxicity testing”

The 1st IVAM Networking Social was held at the Sheraton Inner Harbor, Chesapeake Ballroom 1, in Baltimore, MD on March 13, 2017 (7:30-9pm).

2016 SOT Annual Meeting Courses/Sessions:

Reviewed 31 session proposals submitted in April, 2016 for the 2017 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 2017 program.

Endowment Fund Details:

None

Newsletters:

Published a newsletter in September 2016.

Webinars:

- 1) Webinar held May 18, 2016 - by Jenna Currier, PhD, 2016 IVAM Postdoc Award Recipient, titled "What's in a tipping point? Using systems biology to characterize adaptive and adverse oxidative responses in human lung cells" and Shih-Yu Chang, 2016 IVAM Student Award Recipient, titled “Microphysiological Systems (MPS) to Identify Organ-Organ Interactions in Toxicology: Hepatic Metabolism Enhances Nephrotoxicity of Aristolochic Acid”.
- 2) Webinar co-hosted by IVAM and the Graduate Student Leadership Committee on October 11, 2016 webinar on “Career Opportunities Related to *In Vitro* and *In Silico* Toxicology” – by Dr. Rhiannon Hardwick, Scientist I, Tissue Applications, Organovo and Mr. Brent Gilbert, Director of Business Development, Personal Care and Chemicals, Cyprotex
- 3) Webinar co-hosted by IVAM and the MDCP SS on April 10, 2017 - by Dr. Kim Li, PhD, DABT, MPH, Amgen Inc., titled “ISO 10993-1 Biological Evaluation – the Risk Management of Unstudied Extractables and Leachables (E&L) Impurities in Medical Devices and Combination Products” and Dr. Marco Viceconti, PhD, Executive Director, Insigneo Institute for in silico Medicine, The University of Sheffield and Sheffield Teaching Hospital NHS Foundation Trust, titled “Animal-specific modelling for the 3Rs in pre-clinical assessment: a bone drugs example”.
- 4) Webinar held May 18, 2017 - by Fabian Grimm, PhD, 2017 IVAM Postdoc Award Recipient, titled "Diversity In a Dish: A Human Population-Based Organotypic *In Vitro* Model for Cardiotoxicity Testing"; Rachel Shaffer, 2017 IVAM Student Award Recipient, titled “Lifestyle-Specific Modeling Platform for Adverse Outcome Pathways of Male Reproductive and Developmental Processes”; and Johanna Nyffeler, 2017 IVAM Student Award Recipient, titled “Development and Application of an *In Vitro* Human Neural Crest Cell Migration Assay.”

5) Webinar held June 7, 2017 on TSCA reform – by Louis Scarano, PhD, US Environmental Protection Agency, titled “TSCA as Amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act: The New Future for Alternative Test Methods” and Catherine Willett, PhD, Humane Society of the United States, titled “The Role of Non-Animal Safety Assessment Methods in Implementation of the New TSCA.”

White Papers:

None.

Contributions to SOT website:

Updated the IVAM logo and revised the IVAM webpage on the SOT website

Other Specialty Section 2016-2017 Activities:

See Annual Meeting Summary