

NAME OF SPECIALTY SECTION \_\_\_In Vitro and Alternative Methods\_\_\_\_\_

## ANNUAL REPORT: 2013-2014

May 1, 2013 to April 30, 2014

### I. Officers/Committees:

<u>Officers</u>	<u>2013-2014</u>	<u>2014-2015</u>
President:	Suzanne Compton Fitzpatrick	Hans A Raabe
Vice President:	Hans A Raabe	John ("Jack") Fowle
Vice President-Elect:	John Fowle	Amy Clippinger
Secretary/Treasurer:	Diane Hardej	Abigail Jacobs
Past President	Sharon A Meyer	Suzanne Compton Fitzpatrick
Councilors:	Teresa A Liberati	Saura Sahu
	Saura Sahu	Haitian Lu
PDA Representative:	Sindhura Ramasahayam	Sridhar Jaligama
GSLC Representative:	Sanket R Gadhia	Sanket Gadhia
Student Representative:	Tejas Lahoti	Tejas Lahoti

#### Committees:

Awards Committee: John Fowle (Chair), Hans Raabe (Co-chair), Suzanne Fitzpatrick, Diane Hardej

Membership Committee: Sharon Meyer, Suzanne Fitzpatrick, Diane Hardej, John Fowle, Hans Raabe, Suzanne Fitzpatrick, Diane Hardej

Program Committee: Hans Raabe (Chair), John Fowle (Co-chair), Suzanne Fitzpatrick, Amy Clippinger

### II. Activities:

**2014 SOT Annual Meeting Reception** was held in Phoenix, Arizona on March 26, 2014

Approximately 115 people were in attendance.

Dr. Suzanne Fitzpatrick called the meeting to order at 12 pm

Meeting Minutes: (see Attachment I- will be Diane's Business meeting minutes)

Phoenix Convention Center (Rm CC 222), Phoenix, AZ

#### Awards:

1st Place Student- Christen Grabinski, Case Western Reserve University

"Design and Validation of Nanomaterial Aerosol Exposure Techniques for In Vitro Toxicology"  
(\$400 award)

2nd Place Student- Ashley Maiuri, Michigan State University

"NSAIDs synergize with inflammatory cytokines to kill hepatocytes: implications in idiosyncratic reactions" (\$200 award)

Post Doc- David Pamies, MD, Ph.D, Johns Hopkins

“Characterization of a brain microphysiological system for studying gene/environment interactions”(\$500 award)

David Pamies was the winner of the MB Student Research Award. The award was presented by George DeGeorge Ph.D., Director and Chief Scientific Officer at MB Research Labs.

New officers for 2014-2015:

Amy Clippinger (Vice President Elect), Abigail Jacobs (Secretary /Treasurer), Haitian Lu (Councilor), Sridhar Jaligama (Post Doctoral Representative)

**E. Proposals Received/Reviewed for 2014 SOT Annual Meeting Courses/Sessions:**

The IVAM leadership is very pleased to have received a total of 19 session proposals for IVAM review and comments. The proposals were all very good, and generally were relevant to the ideals of the IVAM SS. Comments were forwarded to the SOT program committee who subsequently communicated to the chairs/co-chairs/session submitters of the programs. Final acceptance decisions were conducted and communicated to the session submitters by the SOT program committee.

Control ID#	Title	Primary Present'n Type	Principal
1717108	Overview of Three Dimensional (3D) cell culture Models and Their Application to Achieve More Predictive Toxicity Screening	CE Basic	T. Riss / A. Roth
1714029	A History of the 3Rs in Toxicity Testing: From Russell and Burch to 21st Century Toxicology	Historical Highlights	I. Kimber / M. Stephens
1701910	Critical Elements of a High Throughput Risk-based Prioritization Strategy	Symposium	J. Wambaugh / B. Wetmore
1702366	Is “Toxicity Testing in the 21st Century” transforming decision-making in human health assessments?	Symposium	I. Rusyn / R. Thomas
1708910	Mapping the Human Toxome by Systems Toxicology using Endocrine Disruption as a Proof of Concept	Symposium	K. Boekelheide / J. Yager
1709526	Adverse Outcome Pathways Enable Linkage of High Throughput and High Content Cellular and Molecular Data Across Multiple Scales to Predict Toxicological Effects	Symposium	S. Meyer / E. Perkins
1713962	Green Toxicology: Applying 21st Century Toxicology to Design Safer, Healthier and Sustainable Products	Symposium	R. Becker / M. Stephens
1715731	Photosafety Evaluation of Pharmaceuticals without Testing in Animals	Symposium	L. Kinter / A. Jacobs

1715846	The Changing Landscape of Alternative Testing Method Validation: Moving Away From Single Assay-Single Endpoint Replacement	Symposium	N. Kleinstreuer / R. Thomas
1716360	In Vitro Microphysiological Systems: Advancing Regulatory Science through Innovation	Symposium	S. Fitzpatrick / A. Bahinski
1716510	Safer Medicines for the 21st Century: qualification and validation of in vitro toxicity models	Symposium	K. Tsaioun / T. Hartung
1716735	Leveraging Source-to-Outcome Biomarker Research to Enhance 21st Century Toxicity Testing	Symposium	C. Tan / S. Edwards
1716795	Zebrafish as an Alternative Predictive Model in Safety Testing - Bridging the in Vitro-in Vivo Gap	Symposium	C. McGinnis / A. Piersma
1717146	Adverse Outcome Pathways as an Integrative Framework for Predictive Toxicology: Combining Top-down and Bottom-up Thinking	Symposium	C. Corton / I. Shah
1708684	Adverse Outcome Pathways: Addressing the need for transparent mechanistic understanding of chemical hazards in health and environmental assessments	Workshop	I. Rusyn / T. Schultz
1713785	21st Century Validation for 21st Century Tools	Workshop	J. Freeman / M. Stephens
1715529	Stem Cell-Derived Cardiomyocytes: An Alternative Cardiac Toxicity Model for Assessing Drug Safety and Chemical Health Risk	Workshop	S. Pettit / K. Dreher
1716330	In vitro bioaccessibility and in vivo bioavailability of metal contaminated soils and foods	Workshop	M. Hughes / K. Bradham
1716665	Applied Risk and Exposure Assessments Utilizing Animal Alternative Integrated Testing Strategies	Workshop	V. Srinivasan / S. Bhatia

Financials (for the 11 months ending May 31, 2014): At the end of June 2013, IVAM had total Net Assets of \$14,834.

Total income from registrations was \$2581.

Total expenses for the business meeting, reception and awards were \$7070.

At the end of May 2014, IVAM had total Net Assets of \$10,345.

Membership: As of the annual meeting, the membership breakdowns were as follows: Full 68%, Associate 14% and Student 18%. Industry 42%, Academia 27%, Government 14%, Consulting 6%, Research (NP), Research (P) and other 3, 5 and 3% respectively. There are 362 current members projected to be 458 when all members have renewed membership. Membership in Dec 2013 was 436

Endowment Fund Details: N/A

Newsletters: Fall 2013 newsletter is available on the IVAM website

Teleseminars for 2013-14 N/A

White Papers: N/A

Other Specialty Section 2013-2014 Activities:? None

Upcoming Specialty Section Activities: The IVAM SS is planning a first annual Webinar dedicated to sharing in vitro testing methods and techniques to address toxicological endpoints. A planning committee is charged with addressing topic selection criteria and addressing webinar logistics. An expected timeframe for hosting the webinar is November 2014.

---