

NAME OF SPECIALTY SECTION: Biotechnology

ANNUAL REPORT: 2016-2017

May 1, 2016 to April 30, 2017

I. Officers/Committees:

| <u>Officers</u> | <u>2015-2016</u> | <u>2016-2017</u> |
|-----------------------|------------------------------------|------------------------------------|
| President: | Mary Jane Masson Hinrichs | Thomas R Gelzleichter |
| Vice President: | Thomas R Gelzleichter | Janice A Lansita |
| Vice President-Elect: | Janice A Lansita | Jorg Blumel |
| Secretary/Treasurer: | Diann L Blanset | Mary Jane Masson Hinrichs |
| Past President | Robert V House | Amy Sharma |
| Councilors: | Timothy Scott Manetz | Joseph Francisco |
| | Joseph Francisco | Jacintha M Shenton |
| PDA Representative: | Amy M Sharma | Prathap Kumar S Mahalingaiah |
| GSLC Representative: | Adhithiya Charli Manohar Charle | Adhithiya Charli Manohar Charle |

II. Activities:

2017 SOT Annual Meeting Reception was held in Baltimore, Maryland on March 14th, 2017

Approximately 100 people were in attendance.

Dr. Tom Gelzleichter called the meeting to order at 6:30 PM

Business Meeting Speaker:

Guest Speaker: Benjamin Reed of the local NASA Satellite Servicing Projects Division gave a well-received talk on Evolution of Satellite Servicing

Awards for 2017

Best Paper Award: Small airway-on-a-chip enables analysis of human lung inflammation and drug responses in vitro, *Nature Methods* 13 (2016), 151-157 AAPS Journal 17(5):1055-6412 (Sept 2015). Kambez Benam, Remi Villenave, Carolina Lucchesi, Antonio Varone, Cedric Hubeau, Hyun-Hee Lee, Stephen E Alves, Michael Salmon, Thomas C Ferrante, James C Weaver, Anthony Bahinski, Geraldine A Hamilton & Donald E Ingber.

Student Achievement Awards

Adhithiya Charli, PhD Candidate, Iowa State Univ. Mitochondrial-Impairing Pesticide Promotes PKC δ Activation That Functions as a Lamin B1 Kinase to Induce Nuclear Membrane Damage in Dopaminergic Neuronal Model of Parkinson's Disease

Logeswari Ponnusamy, PhD Candidate, Texas Tech Univ. Epigenetic Aberrations during Acquisition of Doxorubicin Resistance in Breast Cancer Cells

Outstanding Young Investigator Award: Yu Shrike Zhang, PhD, Instructor of Medicine
Harvard Medical School

Battelle Postdoctoral Award in Biotechnology: Prathap Kumar Mahalingaiah, PhD
Postdoctoral Fellow, Abbvie

Career Achievement Award: Ann Pilaro, Supervisory Toxicologist, CBER, FDA

2017 SOT Annual Meeting/Courses and Sessions

Workshop: Monday afternoon, March 13
Bispecific Molecules: Nonclinical and Clinical Development Challenges

Workshop: Wednesday morning, March 15
Challenges and Novel Approaches Evaluating Developmental and Reproductive Toxicity of
Biotherapeutics

Workshop: Thursday morning, March 16
Biological Advances to Help Navigate the Nonclinical Safety Assessment Strategy in Cancer
Immunotherapy: Utility, Limitations, and Future Direction

Other Specialty Section 2016-2017 Activities:

BTSS-Sponsored Mentoring Activities

- **Lunch and Learn Student Event at SOT**
 - Pros/Cons of postdoctoral fellowship
 - 25 registrants
- **Coffee with a Mentor**
 - Match students with BTSS full member
 - 25 registrants
- **BTSS-Sponsored Webinar**
 - Spring, 2017