

Drug Discovery Toxicology Specialty Section

ANNUAL REPORT: 2020-2021

May 1, 2020 to April 30, 2021

I. Officers/Committees:

Officers	<u>2020-2021</u>	<u>2021-2022</u>
President:	Yu Zhong	Marie Lemper
Vice President:	Marie Lemper	Brandon D. Jeffy
Vice President-Elect:	Brandon D. Jeffy	Jonathan M. Maher
Secretary:	Satoko Kiyota	Satoko Kiyota
Treasurer:	Satoko Kiyota	Satoko Kiyota
Past President	Dinah Lee Misner	Yu Zhong
Councilors:	Dinah Lee Misner Pankajini Mallick Kai Wu	Yu Zhong Kai Wu Saurabh G. Vispute
PDA Representative:	Monica R. Langley	Souvarish Sarker
Grad Student Representative:	Siennah Rebecca Miller	Raymond Kin Hau

Committees:

N/A

II. 2020 Membership total: 312

III. Key Outcomes in 2020-2021:

- A. 2021 SOT Annual Meeting Virtual Activities:
 - DDTSS was the primary endorser for the Continuing Education (CE) course and the secondary or tertiary endorser for 3 CE courses, 3 Symposiums, and 2 Workshops.
 - DDTSS hosted a virtual reception. There was a brief business meeting which included an award ceremony for outgoing officers and a session that featured presentations from winners of recent competitions (the “Paper of the Year” competition and poster competitions for graduates and postdoc researchers) of 2020 and 2021.
 - Also see the information in *A. 2021 SOT Virtual Annual Meeting Activities* and *B. 2021 Awards Information* under *IV. Activities*.
- B. DDTSS hosted the webinar in 4Q, 2020 and 2Q, 2021. See the detail information in *C. Other Educational Activities Conducted* under *IV. Activities*.
- C. DDTSS Newsletter was published in 4Q, 2020.

IV. Activities:

- A. **2021 SOT Virtual Annual Meeting Activities (e.g., courses, scientific sessions, or virtual receptions):**

Type	Title	Date and Time (EDT)	
CE	Navigating New Modalities: A Preclinical Roadmap for Developing Novel Oligonucleotide Safety Strategy	March 19 th , 2021 11:00 AM – 2:45 PM	Primary endorser
CE	Establishing Confidence in Organ-on-a-Chip Systems for Toxicity Testing: Lung-on-a-Chip as an Example	March 26 th , 2021 11:00 AM – 2:45 PM	Secondary endorser
CE	Chemical Probes: New Tools to Identify Molecular Targets	March 12 th , 2021 9:30 AM – 10:30 AM	Secondary endorser
CE	Guidelines for Developing and Implementing Organ-on-a-Chip/Microphysiological Systems for Toxicity Evaluation of Drug Candidates in Drug Development	March 19 th , 2021 11:00 AM – 2:45 PM	Secondary endorser
Symposium	Application of Computational Genomic Approaches to Address Toxicity Mechanisms and Prediction	March 24 th , 2021 11:45 AM – 2:30 PM	Tertiary endorser
Symposium	Industrial Applications of Artificial Intelligence in Toxicology	March 15 th , 2021 11:15 AM – 2:00 PM	Secondary endorser
Symposium	Controlling the Message: Safely Navigating the Development of Novel Oligonucleotide Therapeutics	March 25 th , 2021 11:30 AM – 2:15 PM	Tertiary endorser
Workshop	Using Human Genetics to Aid in Safety Assessment of Therapeutics	March 15 th , 2021 11:15 AM – 2:00 PM	Tertiary endorser
Workshop	Bile Acids Profiling as Biomarkers for Hepatobiliary Toxicity and Disease	March 13 th , 2021 11:15 AM – 2:00 PM	Tertiary endorser
Reception	DDTSS Virtual Reception	March 16 th , 2021 4:15 PM – 5:45 PM	Host

B. 2021 Awards Information:

1st place Student Poster Competition – Shengjie Xu

2nd place Student Poster Competition – Kayla L. Frost

3rd place Student Poster Competition – Minhong Huang, Durgesh Dwivedi

1st place Postdoc Poster Competition – Preeti S Chauhan

2nd place Postdoc Poster Competition – Nivedita Banerjee Chakrabarty

3rd place Postdoc Poster Competition – Kumaravel Mohankumar

Paper of the Year – Karbowski, C., Goldstein, R., Frank, B., Kim, K., Li, C., Homann, O., Hensley, K., Brooks, B., Wang, X., Yan, Q., Hernandez, R., Adams, G., Boyle, M., Arvedson, T., and Lebrec, H. *TOXICOLOGICAL SCIENCES*, 177(1), 2020, 94–107; *Nonclinical Safety Assessment of AMG 553, an Investigational Chimeric Antigen Receptor T-Cell Therapy for the Treatment of Acute Myeloid Leukemia*

C. Other Educational Activities Conducted (e.g., webinars, in person meetings):

DDTSS Webinar: Insightful Tips for Career Planning

Date: October 19, 2020

Duration: 1 hour

Speaker 1: Lauren Celano, CEO and Founder of Propel Careers

Speaker 2: Dr. Lorna Ewart, Emulate Bio

Speaker 3: Dr. Sucheta Mukherjee, Aligos Therapeutics, Inc.

Attendees: 38

DDTSS Webinar: Understanding Neurotoxicology Assays and Interspecies Differences to Address Attrition in Drug Discovery

Date: April 15, 2021

Duration: 1 hour

Speaker 1: Thomas Hartung, MD, PhD, Johns Hopkins

Speaker 2: Remco Westerink, PhD, Utrecht University, The Netherlands

Attendees: 184

D. Communication Activities:

1. Newsletter publication frequency: Fall 2020

2. New or Significant Announcements/blogs: [DDTSS Linkedin Account](#)

3. Highlight of Website enhancements: The DDTSS website has been maintained and updated as needed.

E. Mentoring activities: N/A

V. Feedback and Ideas:

A. In what ways is your group fostering and maintaining an inclusive environment?

DDTSS has focused on quality and strength of scientific discussions when reviewing applications for awards and session proposals but not affiliations or demographic aspects (race, ethnicity) based on applicant names and countries.

B. How might SOT better support your group's activities (perhaps something the Society should be doing that we currently do not do, or do not do effectively, that would be of importance/benefit to the members of your component group?) Note: If funding is listed, please provide detail on the membership need that the funding would support.: N/A

C. What is one thing that the Society is currently doing that impacts your component group that should be changed (e.g., stopped, modified, etc.)? N/A

D. What changes do your component group anticipate making in the way in which it operates in the coming year? N/A