

Medical Device and Combination Product

ANNUAL REPORT: 2022–2023

May 1, 2022 to April 30, 2023

I. Officers/Committees

<u>Officer</u>	<u>2022–2023</u>	<u>2023–2024</u>
President:	Shelby Skoog	Mansi Krishan
Vice President:	Mansi Krishan	Xiaoling (Sharlene) Dai
Vice President-Elect:	Xiaoling (Sharlene) Dai	Ju Young Park
Secretary/Treasurer:	Hiromi Hosako	Hiromi Hosako
Past President:	Jan Oberdoerster	Shelby Skoog
Councilors:	Bhaves Ahir	Bhaves Ahir
	Mercedes Salvador-Silva	William Wustenberg
Postdoctoral Representative:		
Graduate Student Representative:	Deniz Emul	Deniz Emul

Committees:

Nominating Committee:

Jan Oberdoerster, Co-Chair
Shelby Skoog, Co-Chair

Mercedes Salvador-Silva, Co-Chair

Program Committee:

Mansi Krishan, Chair
Bhaves Ahir
Xiaoling (Sharlene) Dai
Mercedes Salvador-Silva
Shelby Skoog

Membership Committee:

Hiromi Hosako, Co-Chair
Jan Oberdoerster, Co-Chair

Awards Committee:

Hiromi Hosako, Co-Chair
Mercedes Salvador-Silva, Co-Chair
Deniz Emul
Jan Oberdoerster
Shelby Skoog

Outreach Committee – Newsletter:

Xiaoling (Sharlene) Dai, Co-Chair
Bhaves Ahir, Co-Chair
Deniz Emul
Mercedes Salvador-Silva

Mentoring Committee:

Bhaves Ahir, Co-Chair

Outreach Committee – eBlast/Website:

Deniz Emul, Chair
Hiromi Hosako
Xiaoling (Sharlene) Dai
Deniz Emul
Shelby Skoog

I. 2022 Membership total: 229

II. Key Outcomes in 2022–2023:

- A. We hosted a webinar in collaboration with CTSS and sponsored an SOT Annual Meeting workshop with significant membership attendance.
- B. We published a newsletter reviewing MDCPSS activities.

III. Activities

- A. SOT Annual Meeting Activities (e.g., courses, scientific sessions, receptions):

Medical Device and Combination Product Specialty Section Poster Session

Date and Time: March 22, 2022, from 9:00 AM – 4:30 PM

Summary: Authors presented a variety of poster topics related to the safety and evaluation of medical devices and combination products.

Medical Device and Combination Product Specialty Section Mentoring Event

Date and Time: March 20, 2022, from 5:00 PM – 6:00 PM

Summary: In-person event providing students, postdocs, and early-career scientists the opportunity to learn about toxicology career paths from mentors in diverse job sectors (government, academia, industry, contract research organizations, non-profit organizations). A small, social-friendly environment provided ample opportunity for those who participated to learn career insights and to network.

Medical Device and Combination Product Specialty Section Meeting/Reception

Date and Time: March 22, 2022, from 6:00 PM– 7:30 PM

Summary: The MDCPSS Executive Committee provided an annual activity update and announced award recipients. The student award winner presented their abstract.

Medical Device and Combination Products Specialty Section Sponsored Workshop:

“Biocompatibility Assessment of Absorbable/Degradable Materials Employed in Medical Devices: Challenges, Pitfalls, and Emerging Testing Methods”

Date and Time: Monday, March 20, 9:15 AM to 12:00 PM

Chairs: Daysi Diaz-Diestra, North American Science Associates LLC

Teresa Palacios-Hernandez, US FDA/CDRH

Primary Endorser: Medical Device and Combination Product Specialty Section

Summary: The session discussed challenges associated with biological evaluation of absorbable medical devices and methodologies that may be useful for safety assessments.

- B. 2023 Awards Recipients:

Best Overall Abstract Award:

“Development of an *In Vitro* Test Method for Irritation of Medical Devices Used in the Oral Cavity”

Marek Puskar, Jennifer Molignano, Christian Pellevoisin, Silvia Letasiova, and Mitch Klausner

Best Published Paper Award:

“A case study: Re-evaluating the biological risk following a processing aid change on a marketed cardiovascular implant device” (Frontiers in Medical Technology)

Frances Hsia, Alessia Stornetta, and Nicole Soucy

Best Poster Award:

“Characterization of the ISO database of reference chemicals for interlaboratory studies to demonstrate the applicability of OECD methods to assess skin sensitization of medical devices”

Christian Pellevoisin, Andrew Nguyen, Ron Brown, Rose-Marie Jenvert, Hervé Groux, Peter Cornelis, Michelle H. Lee, Austin Zdawczyk, Joseph Carraway, Emma Pedersen, Joel M. Cohen, David Waeckerlin, Audrey P. Turley, Sebastian Hoffmann, and Kelly P. Coleman

Student Achievement Award:

“Design of Clinically-Relevant Leachable Studies for Medical Devices with Replacement Schedules”

Deniz Jade Emul

Executive Committee Service Awards:

Past President: Jan Oberdoerster

Councilor: Mercedes Salvador-Silva

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

MDCPSS and CTSS Webinar: Integrating Mass Spectrometry Non-Targeted Analysis and Computational Toxicology to Characterize Chemicals

Date: June 30, 2022

Speaker: Antony Williams, US-EPA, Center for Computational Toxicology and Exposure

Webinar Organizer: Ron Brown, Risk Science Consortium

Moderators: Jan Oberdoerster (MDCPSS Past President) and Nigel Green (CTSS President)

D. Communication Activities:

1. Newsletter publication frequency: Fall 2022 Newsletter
2. Communication Highlights:
 - Information on MDCPSS webinar and activities relevant to MDCPSS members
 - SOT Annual Meeting updates and reminders, including MDCPSS Awards

- Call for MDCPSS officers and election reminders
- 3. Highlights of website enhancements:
 - Posting of webinar recording and slides
 - New job postings
- E. Mentoring Activities: SOT Annual Meeting - Medical Device and Combination Product Specialty Section Mentoring Event

Date and Time: March 20, 2022, from 5:00 PM – 6:00 PM

Summary: In-person event intended to provide students, postdocs, and early-career scientists the opportunity to learn about toxicology career paths from mentors in diverse job sectors.

IV. Feedback and Ideas:

- A. In what ways is your group fostering and maintaining an inclusive environment? Please give examples of any current practices used to support inclusion in processes such as 1) leadership selection and promotion, 2) award descriptions and selection, and 3) endorsement of proposals for the Annual Meetings.

The MDCPSS EC requests feedback and participation from MDCPSS members regarding volunteer opportunities on committees, proposal of topics of interest related to webinars and newsletter articles, presenters for webinars, contributors of newsletter articles, member highlights and achievements, and additional member feedback.

- B. What is one thing 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?

We would like SOT to provide additional assistance with informing SOT members about upcoming MDCPSS webinars, events, and mentoring activities as well as SS membership benefits, especially international members, students, and postdoctoral members.

- 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.)?

We think improvements in the dissemination of MDCPSS membership communications, such as e-blasts and newsletters, would be helpful. Communications are often missed by members through the ToXchange Daily Consolidated Digest. Additionally, we experienced issues with our fall newsletter being posted without the associated communication and multiple MDCPSS members indicated they did not see/receive the newsletter communication(s).