

NAME OF SPECIALTY SECTION: Medical Device & Combination Product

ANNUAL REPORT: 2018-2019

May 1, 2018 to April 30, 2019

I. Officers/Committees:

<u>Officers</u>	<u>2017-2018</u>	<u>2018-2019</u>
President	Barbara J Henry	Taylor L Builee
Vice President	Taylor L Builee	Sherry P Parker
Vice President-Elect	Sherry P Parker	Whitney V Christian
Secretary/Treasurer	Xiaomin Deng	Shelby Skoog
Past President	Kelly P Coleman	Barbara J Henry
Councilor	Megan Hahn	Megan Hahn
Councilor	Whitney V Christian	Melissa Badding
PDA Representative	Monica Pombo	Banu Saritas-Yildirim and Elissa Wong
GSLC Representative	Jie Daniel Luo	Kazi M Tasneem

Committees:

- 1) **Nominating Committee**
Taylor Builee, Chair
- 2) **Program and Awards Committee**
Sherry Parker, Chair
- 3) **Mentoring Committee**
Whitney Christian, Chair
- 4) **Membership Committee**
Sherry Parker, Chair
- 5) **Outreach Committee**
Shelby Skoog, Chair
- 6) **Graduate Student and Postdoc Committee**
Banu Saritas-Yildirim (May – October 2018) and Elissa Wong (November 2018– April 2019),
Chair of Graduate Student Committee
Kazi M Tasneem, Chair of Postdoc Committee
- 7) **Newsletter**
Megan Hahn, Chair
- 8) **Website and ToXchange**
Shelby Skoog, Chair
- 9) **Budget**
Shelby Skoog, Chair

II. Activities:

2019 SOT Annual Meeting Reception was held in Baltimore, MD on Wednesday, March 13, 2019.

Approximately 150 people were in attendance. Taylor Builee called the meeting to order at 6 PM on March 13, 2019 and presided over the business meeting. Recognition of executive committee members were made. Sherry Parker presented on the membership statistics. Melissa Badding and Elissa Wong presented on behalf of the MDCPSS awards committee and moderated the awards section. Kazi Tasneem presented on the mentoring committee and provided an overview of MDCPSS sponsored events at the annual meeting. Megan Hahn presented on the outreach committee. Shelby Skoog presented on past year programming and upcoming events, the website/ToXchange and provided the treasury report. Melissa Badding introduced the student award winner presentations. Student award winner presentations were followed by social networking.

Medical Device and Combination Product Specialty Section Awards for 2018-2019:

Best Overall Abstract: Sireesha Manne, *et. al.* (Iowa State) “Development of circulating exosome-based biomarkers for manganese neurotoxicity in human serum and plasma using RT-QuIC assay and exosomal RNA sequencing analysis”

Best Published Paper: Wim H. De Jong, Sebastian Hoffmann, Michelle Lee, Helena Kandárová, Christian Pellevoisin, Yuji Haishima, Beau Rollins, Austin Zdawczyk, Jamin Willoughby, Michael Bachelor, Timothy Schatz, Shelby Skoog, Sherry Parker, Anita Sawyer, Paolo Pescio, Kristina Fant, Kwang-Mahn Kim, Jae Sung Kwong, Helge Gehrker, Hana Hofman-Hüther, Marisa Meloni, Conrad Julius, Damien Briotet, Silvia Letasiova, Reiko Kato, Atsuko Miyajima, Liset J.J. De La Fonteyne, Christelle Videau, Carine Tornier, Audrey P. Turley, Nicholas Christiano, Thor S. Rollins, Kelly P. Coleman “Round robin study to evaluate the reconstructed human epidermis (RhE) model as an *in vitro* skin irritation test for detection of irritant activity in medical device extracts”

Best Overall Poster Award: David Saylor, Vaishnavi Chandrasekar, David Simon, Paul Turner, Laura Savery, Alan Hood “Color Hazard and RISK Calculator”

Student Travel Award Winners :

Paige Glumac (University of Minnesota) “Development of a Novel CD133-Targeted Antibody for More Selective Monitoring and Treatment of Aggressive Variant Prostate Cancer”

Marisa Pfohl (University of Rhode Island) “An ‘omics approach to unraveling the paradoxical effect of diet on PFOS and PFNA induced non-alcoholic fatty liver disease (NAFLD)”

Malek Toxicology Delaware LLC Student Excellence Award:

Song-Yi Yang (Yonsei University College of Dentistry, Seoul, Korea) “Alternative Tests to Replace Ocular Irritation Animal Test in Medical Device Using Reconstructed Human Corneal Epithelium”

Executive Committee Service Awards:

Postdoctoral Representatives: Banu Saritas-Yildirim and Elissa Wong

Councilors –Megan Hahn

Past President / Councilor –Barbara Henry

Past President: Greg Erexson (2015-2016)

President – Taylor Builee

2019 SOT Annual Meeting Courses/Sessions: (at the Baltimore Convention Center)

Monday March 11, 2019, 1:45 pm – 4:30 pm. Workshop, “A Tale of an In Vitro Method: From Inception to International and Regulatory Acceptance” CC Ballroom IV
Tuesday, March 12, 2019, 8 – 9 am. MDCPSS Executive Officers Meeting (Bistro 3000 Restaurant, Baltimore, MD)
Wednesday, March 13, 2019, 9:15 am – 4:30 pm. MDCPSS Poster Session. Poster Tour from 9:15 – 10:45 am (CC Hall Poster Area 483 - 505)
Wednesday, March 13, 2019, 5 – 6 pm. Mentoring Q&A Session and Mock Interview/CV Review Session (same location as annual reception)
Wednesday, March 13, 2019, 8 – 10 pm. MDCPSS Social Networking Event (Sullivan’s Steakhouse, 1 E Pratt St, Baltimore)

Endowment Fund Details: None

Newsletters: A newsletter was published in Winter 2018

Webinar 1: Dr. Wim De Jong of RIVM shared a webinar on May 9, 2018 11 am to 12 pm, EST "The Application of Reconstructed Human Epidermis (RhE) Models as an In Vitro Skin Irritation Test for Detection of Irritant Activity in Medical Device Extracts."

Webinar 2: Dr. James Morrison, Senior Consultant at Brandwood Biomedical shared webinar on Tuesday, November 14, 2018, 11 am to 12 pm EST on “ISO 18562 biocompatibility evaluation of breathing gas pathways in healthcare applications, what does it cover and how to put it to use.”

Contributions to SOT website: The MDCPSS website was maintained and updated

Other Specialty Section 2018-2019 Activities:

- 1.) MDCPSS worked with corporate sponsor, Malek Toxicology Delaware LLC, to create an additional travel award for students or postdoctoral fellows
- 2.) MDCPSS worked with members of the Ocular Toxicology Specialty Section to collaborate on future programing