



Fall Newsletter 2020

2020-2021 DTSS

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President's Message

Dear colleagues,

Greetings to all the Dermal Toxicology Specialty Section (DTSS) members and welcome to the fall 2020 newsletter! I was looking forward to meeting you all this year at Anaheim for the 2020 Annual Society of Toxicology (SOT) Meeting; however, I was disappointed on the meeting cancelation. This year has been hard for each one of us with new challenges, different strategies for working, communicating, and mentoring. I hope you and your loved ones are staying safe and healthy. Although, we all missed the SOT meeting this year, I am hopeful that you were able to attend the meeting sessions made available virtually by SOT. Along with the DTSS Executive Committee, I am committed to work in this new situation and continue to improve our support for DTSS members in receiving and communicating dermal toxicology information.

It is an honor to serve you all as President of the DTSS. I take this opportunity to thank all the members of the DTSS Executive Committee for all their time, commitment, hard work and efforts. Our Executive Committee includes Michael Hughes, PhD, DABT (Past President), Sara Farahmand, PhD (Vice President), Yoke-Chen Chang, PhD (Secretary/Treasurer), Jeffrey D. Moehlenkamp, PhD, DABT (Senior Councilor), Gabriel Knudsen, PhD, DABT (Councilor), Ana Ferragut Cardoso, PhD (Postdoctoral Representative) and Careen Khachatoorian (Graduate Student Representative). Unfortunately, one of our council members, Vijay Kannappan, had to resign for personal reasons. We will be looking for a member of DTSS to replace him. In addition, we are seeking nominations for officer elections in early 2021. The DTSS Executive Committee will continue to explore innovative ideas of keeping our DTSS members connected in current times.

There has been a sustained effort by the Executive Committee to increase the DTSS membership, especially students and postdoctoral fellows, and increase the visibility of the Specialty Section to other members of SOT. DTSS is in the second year of a two-year program to increase graduate student membership via special funding mechanism whereby donations can be directed to graduate student DTSS membership fees. I would like to thank our past president Michael Hughes for donating to these funds for sponsoring students for DTSS membership. If any of you have further suggestions or ideas, especially to reach graduate students and postdoctoral fellows in the dermal field, please contact us.

DTSS has a number of awards that help participation of the research community, especially the student and postdoctoral awards. Congratulations to all the 2020 award winners!! I would like to thank Charles River for sponsoring the Graduate Student and Postdoctoral Travel Awards, Stratacor for the Postdoctoral Award for skin-related research, and Informa Healthcare, the publisher of the journal *Cutaneous and Ocular*

Toxicology, for sponsoring the Informa Healthcare Award. I would also like to thank Tom Lewandowski and Gradient Corp for their monetary support for the travel awards. We are planning to have awards for the 2021 (Virtual) Annual Meeting. Be on the lookout for information on how to apply for those awards.

To increase DTSS visibility and interest as well as interaction with SOT members, we would like to increase the number of sessions endorsed by DTSS at the Annual Meeting and strengthen and support communications with our members through webinar(s). DTSS is sponsoring one session for the 2021 meeting. Ideas and topics on the proposals for the 2022 SOT meeting are welcome! Contact Sara Farahmand as she is the DTSS Meeting Program Chair for the 2021 Annual Meeting.

Thank you all for your support and being a part of the DTSS.

Best regards,
Neera Tewari-Singh, MS, PhD
DTSS President

New Officers

Welcome to our new officers: **Sara Farahmand, Vice President**, and **Gabriel Knudsen, Junior Councilor**. Thank you for helping lead our specialty section.

DTSS Trainee Newsletter Section

Hello students and postdoctoral members! We hope this unique 2020 has been a good year for you so far. With this year's Annual Meeting going virtual, the Dermal Toxicology Specialty Section (DTSS) was not able to display the poster we prepared. However, you can find the DTSS 2020 poster and this year's awardees on our website. Check it out!

For the 2021 Virtual Meeting DTSS has several trainee-specific awards; submission information can be found at: <https://www.toxicology.org/groups/ss/dtss/award.asp>. Award deadlines are January 10, 2021, so don't forget to apply!

The DTSS is offering a membership program to graduate students for free membership to the specialty section. If you have a lab colleague who might be interested in becoming a DTSS member, encourage them to reach out to us. You can find more information about this program under "*Special Program to Recruit Graduate Student Members*" in this newsletter.

It is our honor to serve as your representatives and we welcome any questions, comments, or suggestions regarding our service of DTSS.

Financial Report (as of June 2020)

Income	
Contributions	\$ 1,750
Membership Dues	\$ 2,380
Misc income	\$ 500
Interest	\$ 396
Total Income	\$ 5,026
Expenses	
Awards	-
Reception	-
Total Expense	-
Excess (Deficiency)	\$ 5,026
Net Assets beginning of the Year	\$ 3,280
Net Assets End of the Year	\$ 8,306

DTSS thanks the sponsors of our awards



Informa Healthcare Award:

In recognition of the best paper in dermal toxicology published in the journal *Cutaneous and Ocular Toxicology*.

Impaired skin barrier function caused by reactive oxygen species in mice with colonic tumours

Satoshi Yokoyama, Keiichi Hiramoto, Yurika Yamate

Cutan Ocul Toxicol. 2019 Dec;38(4):349-355

DTSS Paper of the Year Award:

In recognition of an exceptional publication in the field of skin toxicology and pharmacology

***In Vitro* Skin Penetration of Dendrimer Nanoparticles**

Margaret EK Kraeling, PhD

Applied In vitro Toxicology, 2019 Sep; 5(3): 134-149

Stratacor Postdoctoral Award:

In recognition of outstanding postdoctoral candidates for their contribution to skin-related research

Alternative Splicing as a Key Mechanism in Arsenic-Induced Squamous Cell Carcinoma: Evidence from RNA-Seq and Proteomic Analysis

Ana Cardoso, PhD (University of Louisville)

Student Research Award:

In Recognition of an Outstanding Graduate Student Proposal for Skin-related Research

Role of Aryl Hydrocarbon Receptor ligands in allograft rejection
Bryan Holloman (University of South Carolina, School of Medicine)

Charles River Student and Postdoctoral Fellow Travel Award:

In recognition of outstanding students for their contribution to skin-related research

Satyendra Singh, PhD (Michigan State University)

Toxicologic pathology and related mechanism following cutaneous exposure of phosgene oxime

Rachel Baur (West Virginia University)

Alterations in the Mouse Skin and Gut Microbiome and Skin Integrity Following Dermal Exposure to the Antimicrobial Chemical Triclosan

Angeliki Lykoudi (University of Louisville)

Overexpression of hsa-miR-186 induces anchorage-independent growth and chromosomal alterations in arsenic exposed human keratinocytes: A preliminary study

DTSS Webinar

We are planning to hold a webinar for our 2020 award winners to present their research in early 2021. Be on the lookout for registration.

SOT 2021

This year DTSS will be sponsoring one workshop at SOT 2021. Congratulations to **Victor Johnson** and **Marc Pallard** for the selection of their workshop by SOT's Scientific Program Committee. The title of this workshop is "**Applicability Domains and Future of Nonanimal Tests for Skin Sensitization**".

DTSS Business Meeting and Reception

Wednesday, March 17, 2020

More Information to come!

Call for Candidates!

DTSS is looking for candidates for the upcoming election of our Section's Executive Committee. We need candidates for **Vice President-Elect, Junior Councilor, Postdoctoral Representative, and Graduate Student Representative**. The terms begin May 1, 2021. This is an opportunity to develop your leadership skills, serve the interests of the Section, learn the workings of SOT, and meet fellow scientists.

Contact Neera Tewari-Singh at: tewarisi@msu.edu for more information. A description of the officer roles and responsibilities is posted within the [Officers page](#) of the DTSS website.

Special Program to Recruit Graduate Student Members

Our SS has approximately 140 members, yet our graduate student membership is quite low. A quick analysis of our membership reveals we have only 4 graduate student members. To help increase our student membership, SOT Council has allowed us to initiate a two-year program whereby donations to our SS can be made to sponsor the membership of a graduate student. Please consider making a tax-deductible donation to SOT to increase our student members. **Contact Belinda Inscho at belinda@toxicology.org** for more information.

DTSS Awards for 2021

We have several awards that will be presented at our reception during the Annual Meeting. These awards include DTSS Paper of the Year Award, Stratacor Post-doctoral Award, Informa Healthcare Award, and Charles River Student and Postdoctoral Fellow Travel Grants. Deadline for submission is January 10, 2021.

Contact **Gabriel Knudsen at gabriel.knudsen@nih.gov** for the Informa Healthcare Award and **Jeffrey Moehlenkamp at jmoehlenkamp@aclairo.com** for all other awards. Additional information is available on the DTSS website under [Awards](#).

Session Proposals for SOT 2022

One way to enhance the visibility of our Specialty Section is to sponsor sessions at the Annual Meeting. Chairing (or co-chairing) a session at the Annual Meeting is also an excellent way to develop your own career. Session proposals for the 2022 Annual Meeting will be solicited soon after the 2020 meeting. Start making plans to work with your colleagues to submit session proposals. There are number of session types at the Annual Meeting. Contact **Sara Farahmand** at Farahmand.s@gmail.com or **Neera Tewari-Singh** at tewarisi@msu.edu for more information.

See you at the Virtual meeting in 2021!

<https://www.toxicology.org/events/am/AM2021/index.asp>

