



Dermal Toxicology Specialty Section OF THE SOCIETY OF TOXICOLOGY



What is Dermal Toxicology?

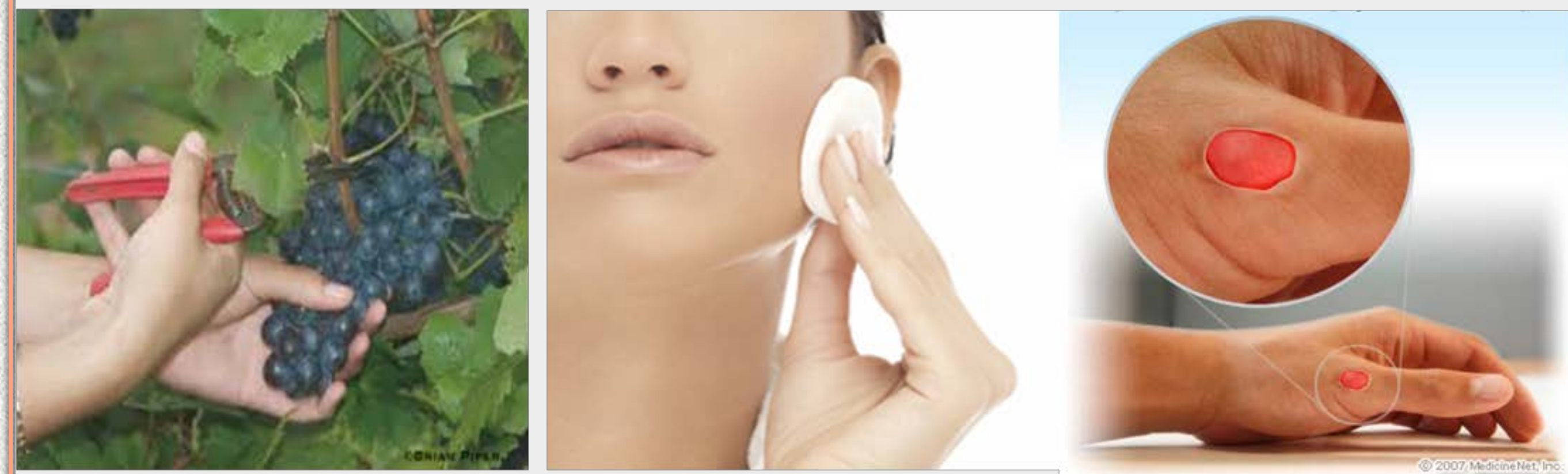
- ◆ Skin is the largest and most visible organ of the body; it protects against different types of insults: natural synthetic, biological, chemical, and physical.
- ◆ Dermal toxicology is the study of the local and/or systemic adverse reactions resulting from dermal exposure to chemicals. Dermal toxicology also studies the skin penetration of toxicants and evaluates potential systemic exposure.

EXAMPLES OF DERMATOTOXIC MATERIALS

Poisonous plants Chemicals Ultraviolet light



Occupational exposure Cosmetics Skin infections



What does a Dermal Toxicologist do?

Basic Research

Risk assessment based on ADME principles

Pharmaceuticals

From topical ointments to transdermal delivery systems

Cosmetic Industry

Risk assessment for perfumes, after-shaves, body lotions, sunscreens

Contact Hypersensitivity

Immunological response to an allergen

Occupational Exposures and Risk Assessment

Occupational exposure in various industries producing chemicals, pesticides, and food.

The Dermal Toxicology Specialty Section (DTSS)

The DTSS serves to promote knowledge in the field of dermal toxicology with specific focus on developing clinically relevant models to study **mechanisms and risk assessment for cutaneous exposure to protect against toxicants.**

Members within this Specialty Section conduct research in many diverse areas including **toxicology, pharmacology, risk assessment pharmacokinetics, dermal penetration and absorption, oncology, hypersensitivity, dermal toxicity, regulatory Toxicology and product safety.**

The DTSS meeting/reception is held every year during the SOT Annual Meeting. In order to promote research within the field the Dermal Toxicology Specialty Section offers **student and post-doctoral awards at the SOT Annual Meeting for accepted abstracts as recognition for exceptional research involving skin toxicology and pharmacology.**

Benefits of DTSS Membership

- Award Opportunities
- Networking with pioneers in academic, industrial, and governmental research organizations

DTSS Sponsored Sessions:

Workshop Session:

1- "Applicability Domains and Future of Nonanimal Tests for Skin Sensitization" .

Monday, March 16th, 8:00-10:45 am in CC Room 204B

Chair(s): Victor J. Johnson, Burleson Research Technologies; and Marc Pallardy, Université Paris-Sud, France

2- "Impacts on Human Health of Sunscreen Active Ingredients Used to Filter Ultraviolet Light".

Monday, March 16th, 11:00 am-12:30 pm in CC Room 204C

Chair(s): Michael F. Hughes, US EPA; and Barry S. McIntyre, NIEHS/NTP

3- Career Exploration through Speed Informational Interviews: "Exhibitor-Hosted Session: The Application of In Vitro GARD Assays for Skin and Respiratory Sensitization Assessment of "Difficult-to-Test"

Tuesday, March 17th, 1:30-2:30 pm, CC Room 206B (Tickets Required)

Substances. Presented by: SenzaGen AB

Poster Session:

1- Skin and Dermal Toxicity

Chair(s): Yoke-Chen Chang, Rutgers, The State University of New Jersey; and Xiaoying Hui, University of California San Francisco.

March 17th (9:00 am-10:45 am), CC Exhibit Hall (P783-P803)

2- Alternatives to Mammalian Models II

Chair(s): Lauren A. Lewis, Texas A&M University; and Michael Madden, US EPA

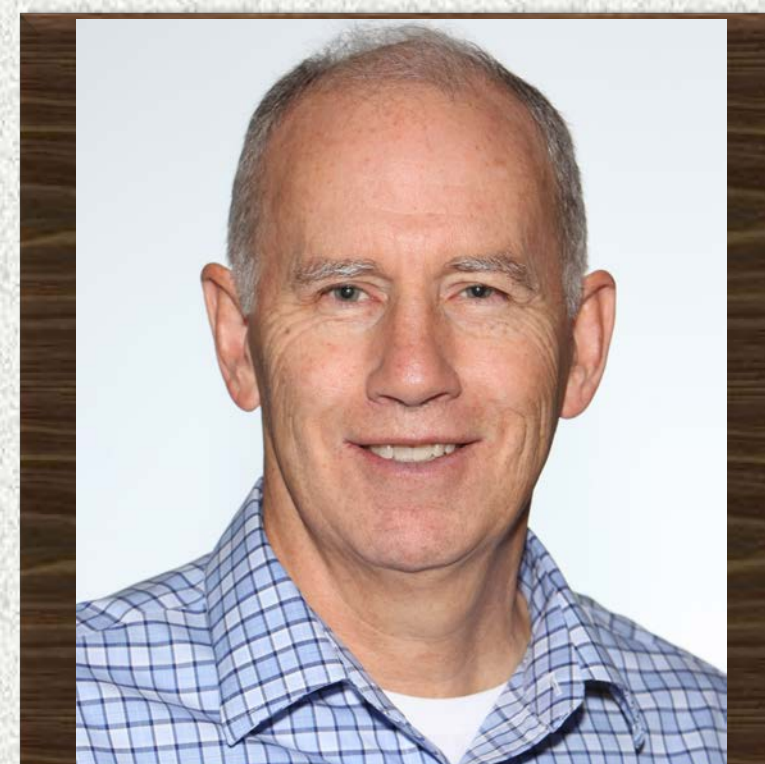
Monday, March 16th, 2:15 -4:30 PM, CC Exhibit Hall (P473-P508)

DTSS Reception:

DTSS Annual Meeting/Reception

Wednesday, March 18th (6-7:30 pm), Anaheim Marriott Platinum 3

Officers



President

Michael F. Hughes, Ph.D., DABT

U.S. Environmental Protection Agency
ORD/CCTE/CCED

Interests: Dermal Toxicology and Absorption
hughes.michaelf@epa.gov



Vice President-Elect

Vijay Kannappan, PhD, ERT

Manager, Regulatory Toxicology Georgia Pacific LLC.

Interests: Consumer Product Safety & Regulatory Toxicology
vijay.kannappan@gapac.com

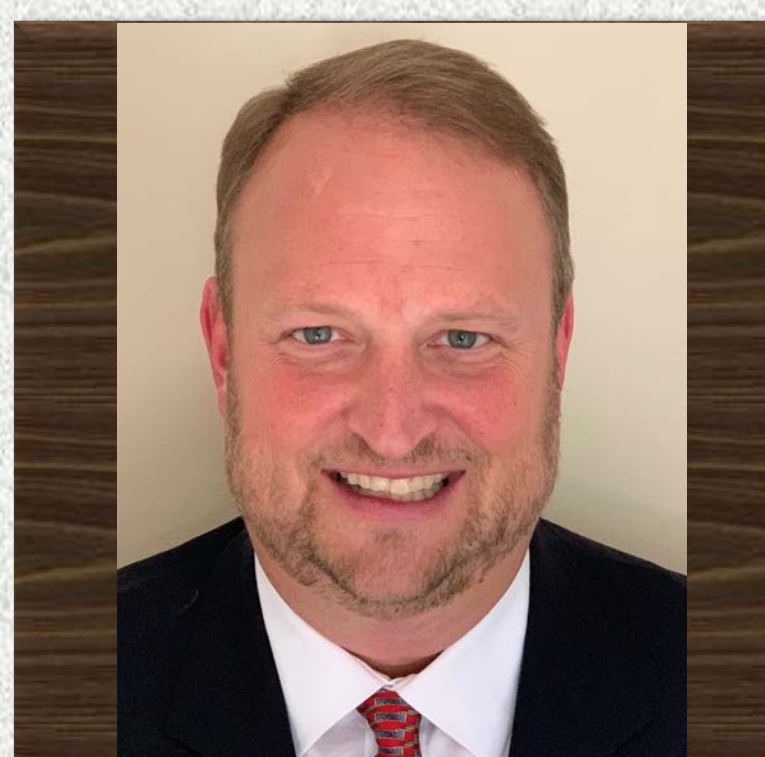


Secretary-Treasurer

Tom Lewandowski, PhD, DABT

Principal, Gradient

Interests: Product Safety, Alternative Assessment, Risk Assessment, Developmental Toxicology, Pharmacokinetic Modeling, Metals Toxicology
tlewandowski@gradientcorp.com

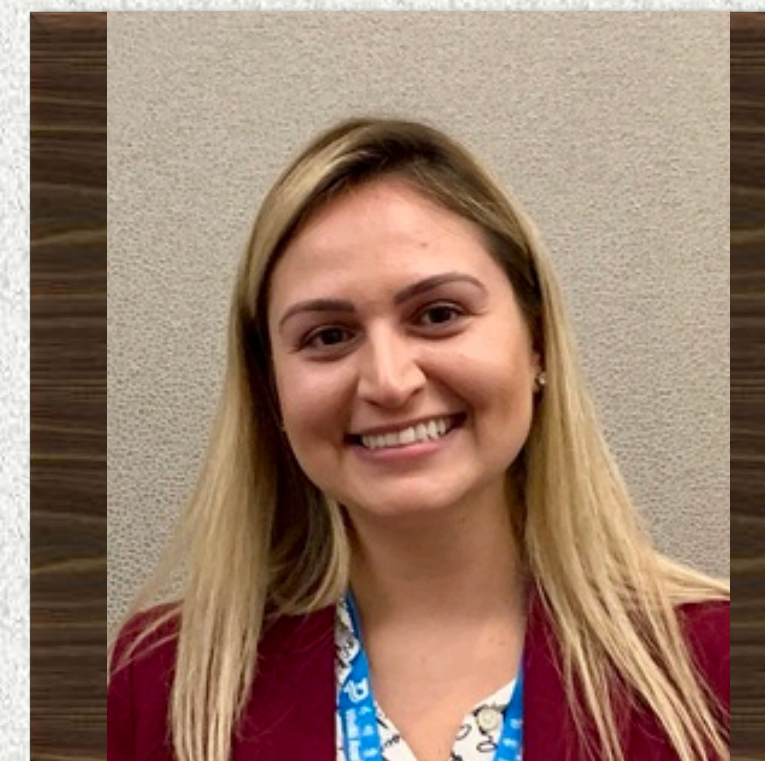


Junior Councilor

Jeffrey Moehlenkamp, PhD, DABT

Senior Consultant, Aclairo Pharmaceutical Development Group

Interests: Dermal Drug Development; Regulatory Toxicology, Drug Development and CRO Monitoring
jmoehlenkamp@aclairo.com



Post Doctoral Vice Representative

Ana Ferragut Cordoso, PhD

Department of Pharmacology and Toxicology, University of Louisville

Interests: Dermal Toxicology and Arsenic induced Skin cancer
ana.cordoso@louisville.edu



Vice President

Neera Tewari-Singh, MS, PhD

Assistant Professor, Department of Pharmacology & Toxicology, Michigan State University

Interests: Dermal and Ocular Injury Models, Mechanisms and Medical Countermeasures for Toxic Chemical Agents Including Vesicants.
tewarisi@msu.edu



Past President

Jeffrey A Klein, PhD, DABT

Director of Toxicology and Dermatology, Sinclair Research Center

Interests: Dermal Toxicology, Drug Development and Regulatory Toxicology
JKlein@sinclairresearch.com



Senior Councilor

Yoke-Chen Chang, PhD

Assistant Research Professor, Rutgers University, Ernest Mario School of Pharmacy

Interests: Understand the Basic Structure of Skin, and Wound Repair
chang@eohsi.rutgers.edu

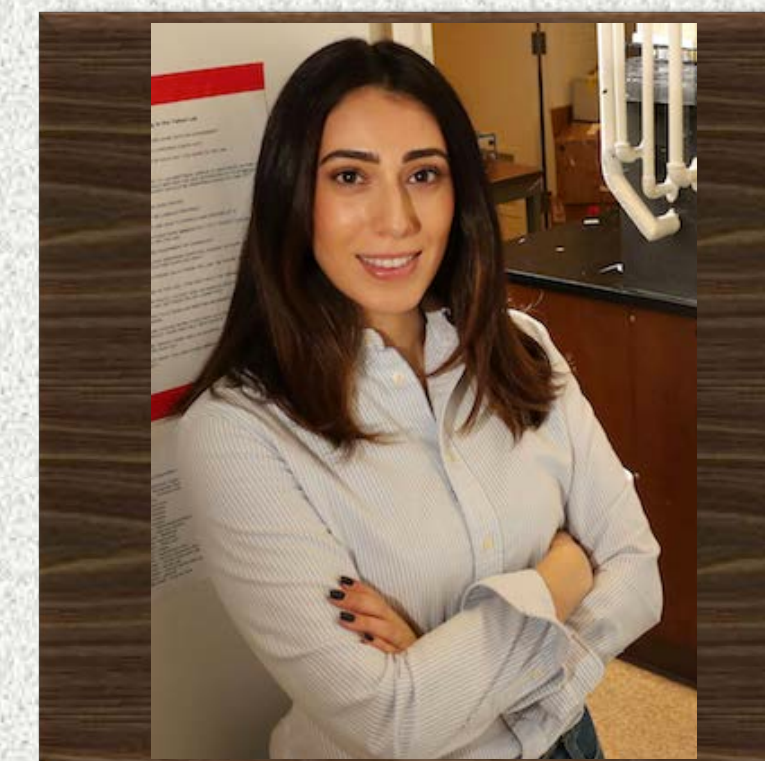


Post Doctoral Representative

Laila Al-Eryani, PharmD, MSc, PhD

National Cancer Institute/NIH

Interests: Dermal Toxicology and Inherited Skin Diseases
laila.al-eryani@nih.gov



Graduate Student Representative

Caren Khachatoorian

Department of Molecular, Cell & Systems Biology, University of California

Interests: Dermal Toxicology, Electronic Cigarette Toxicity
ckhac001@ucr.edu

Samsung Galaxy Tab GIVEAWAY!



Participate in the Samsung Galaxy TAB A 7 giveaway by DTSS sponsored by MB Research Labs!! Provide your contact information during the Student Postdoc mixer on Sunday March 15th or at the DTSS Reception on Wednesday, March 18th at 6 pm at the Anaheim Marriott Platinum 3.

All participants will be entered into a drawing and the winner will be announced at the DTSS Reception on.

You must be present at the DTSS Reception to win!

2020 DTSS AWARDS TO BE PRESENTED AT THE DTSS RECEPTION

Dermal Toxicology SS Student Research Award

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

Winner: Bryan Holloman

Dermal Toxicology SS Student & Postdoctoral Travel Grants

- In recognition of outstanding student and postdoc abstracts

Winners: Grad Students: Angeliki Lykoudi
Rachel Baur

Postdoc: Satyendra Singh, PhD

Stractor Postdoc Award

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

Winner: Ana Ferragut Cordaso, PhD

DTSS Paper of the Year Award

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

Winner: Margaret Kraeling, MS