

Immunotoxicology

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:	Berran Yucesoy	Marie-Soleil Piche
Vice President:	Marie-Soleil Piche	Alessandro Venosa
Vice President-Elect:	Alessandro Venosa	Andrew Gow
Secretary/Treasurer:	Andrew Gow	Allison Ehrlich
Past President:	Florence Burleson	Berran Yucesoy
Councilors:	Thea Golden	Lauren Walker
	Amy Sharma	Thea Golden
Postdoctoral Representative:	Melissa Wilkinson	Brandon Lewis
Graduate Student Representative:	Cassandra Houser	Hannah Lovins

Committees:

- Awards Committee (Chair: Thea Golden)
- Communications & Membership Committee (Chair: Lauren Walker)
- Education Committee (Chair: Andrew Gow)
- Program Committee (Chair: Alessandro Venosa)

II. 2022 Membership total: 324

III. Key Outcomes in 2022–2023:

- A. There was a significant immunotoxicology presence at the 2023 Annual Meeting with respect to sponsored sessions and posters.
- B. We recognized excellence in immunotoxicology through ITSS awards.

IV. Activities

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

CE Course:

Immunosafety: Current Considerations and Applications in the Landscape of Immunomodulatory Therapies.

Chaired by Tracey Papenfuss and Shermaine Mitchell-Ryan

Symposia:

- (1) Human Cells as Nonanimal Alternative Approaches for Immunotoxicity Testing.
Chaired by Emanuela Corsini and Victor Johnson

(2) Humanized Mouse Models for Preclinical Evaluation of CAR T Cells. Chaired by Michael Oropallo and Marie-Soleil Piche

Informational Session:

Toxicology, Translational, and Regulatory Considerations of Antisense Oligonucleotides and Other RNACentric Modalities.

Chaired by Tracey Papenfuss and Jessica Grieves

Immunotoxicology Specialty Section Reception and Business Meeting:

Date and Time: Wednesday, 22 March 2023 from 6:00 pm – 7:30 pm (Central)

Summary: The ITSS annual business meeting was in person and included a networking event/reception. ITSS award recipients were honored (including the Special Honorary Member of the Japanese Society of Immunotoxicology), and the new officers were introduced.

B. 2023 Awards Recipients:

1. Best Presentation by a Student: Ishita Choudhary, Louisiana State University
“IL4R α signaling in myeloid cells cause pathological outcomes associated with allergic asthma in mice”.
2. Best Presentation by a Postdoctoral Trainee: Cody Smith, PhD, Rutgers University
“Ozone inhalation enhances the accumulation of regulatory T lymphocytes in the lung”
3. Best Paper of the Year: Jacklyn Nguyen, Cassandra E Deering-Rice, Brittnie S Armstrong, Christopher Massa, Christopher A Reilly, Alessandro Venosa.
“Parenchymal and Inflammatory Cell Responses to Single and Repeated Ozone Exposure in Healthy and Surfactant Protein-C Mutant Lung”; Toxicol Sci. 2022 Aug 25;189(1):107-123.
4. Mitzi and Prakash Nagarkatti Research Excellence in Immunotoxicology Travel Awards:
Ishita Choudhary, PhD, Louisiana University
Emily Stevenson, Rutgers University
Hannah Lovins, Ohio State University
5. Health and Environmental Sciences Institute (HESI) Immunotoxicology Young Investigator Travel Award: Hinaben Agraval, MS, PhD, National Jewish Health
6. Outstanding Young Immunotoxicologist Award: Thea Golden, PhD, University of Pennsylvania

7. Outstanding Senior Immunotoxicologist Award: Victor J. Johnson, PhD, Burleson Research Technologies

8. Vos Lifetime Career Achievement Award in Immunotoxicology: Gary Burleson, PhD, Burleson Research Technologies

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

Jointly Sponsored Webinar with the In Vitro and Alternative Methods Specialty Section titled “Advancements within the field of predictive immunotoxicity in vitro models for chemical safety”.

Planned during the 2022-2023 term, held in the 2023-2024 term (June 13, 2023).

D. Communication Activities:

1. Newsletter publication frequency: Summer, Fall/Winter, Pre-Annual Meeting and Post-Annual Meeting.
2. Communication Highlights: The loss of our respected and esteemed colleagues and a reminder of our colleagues’ contributions and achievements were communicated to the ITSS membership.
3. Highlights of website enhancements: The ITSS website has been maintained and updated as needed.

E. Mentoring Activities: The 2023 Annual Meeting mentorship event was conducted on March 22, 2023, prior to the ITSS reception. There were four mentors from academia, three from industry, and three from the government. 25 mentees attended this event. ITSS is planning another webinar for Fall/Winter 2023, cohosted with HESI.

V. **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.

We maximize outreach efforts to increase the number of candidates considered for executive committee positions and awards and ensure that both the membership and committee members are encouraged to provide input on ITSS activities so that every voice is heard. We ensure announcements of educational opportunities, award information, and other news of relevance are shared with the ITSS membership through specific communications and newsletters.

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?

None

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.)?

None