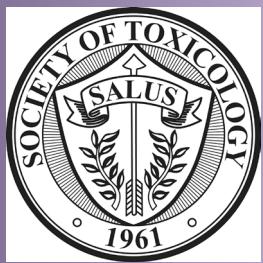


IMMUNOTOXICOLOGY

Specialty Section

Spring Edition



2022-2023 Executive Committee

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President's Message



Dear ITSS members,

The 2023 SOT meeting is only days away. The Executive Committee has been working hard to prepare for the meeting and is looking forward to seeing everyone soon. Our annual reception will be held on Wednesday, March 22, from 6:00 PM to 7:30 PM at the Omni Nashville Hotel, Legends Ballroom F. Please plan to attend to hear about our past year's activities, award announcements, and the introductions of the 2023–2024 elected officers, as well as to connect with your friends and colleagues. Of course, there will be plenty of time to network and discuss your research ideas, future collaborations, and career opportunities. Please note that this event is open to all meeting attendees, regardless of their current membership status. So, please feel free to bring your colleagues who may be interested in joining the ITSS. This is a great opportunity for them to get to know our specialty section better and ask any questions they may have.

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- ITSS Member Spotlight (p. 4)**
- 2023 SOT & ITSS Sponsored Events (p. 5-6)**
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- Special Honorary Membership of JSIT (p. 9-10)**

ITSS has an exciting presence at this year's SOT meeting, including three symposia and one CE course. We also look forward to an excellent immunotoxicology poster session, with over 70 posters slated to be presented. You can find more information about these events elsewhere in the newsletter. I would like to acknowledge those ITSS members who will be presenting at the meeting and encourage you to support our colleagues through your attendance and active participation in their sessions/presentations. Also, if you have program ideas for the 2024 annual meetings, please bring them to the meeting, as this is a great platform to discuss these ideas with ITSS officers. Remember, the deadline to submit proposals will rapidly be upon us after the meeting and we are happy to help!

We will also host a mentoring event, which will be held right before the reception (see page 6). We encourage all students and postdocs to attend, as this is a great opportunity to get science and career advice from established immunotoxicologists in different career sectors. If you plan to attend but haven't registered yet, please remember to do so at your earliest convenience! This [link](#) will take you to the SOT registration page.

As usual, ITSS will have a poster that captures all the key information about our Specialty Section. This poster will be displayed throughout the entire meeting. I encourage you to stop by and check it out!

Thanks to the support of our sponsors for providing funds to continue our tradition of supporting students and postdocs. Your contribution is vital to helping them stay engaged and to the growth of our discipline and the Specialty Section. We also thank those who took the time to nominate their trainees or colleagues for the various awards and Executive Committee positions.

Finally, I would like to reiterate that we continue to seek membership participation for our various committees. Please visit our [website](#) and consider how you might want to get involved. Your involvement will make a difference and ensure the continued success of our Specialty Section. If you have questions, please contact any of the Executive Committee members for assistance.

With that, I wish everyone an enjoyable and productive meeting. See you in Nashville!

With kindest regards,

*Berran Yucesoy, PhD
President ITSS, 2022-2023*



The 2022-2023 ITSS Executive Committee



BERRAN YUCESOY
President



MARIE-SOLEIL PICHE
Vice President



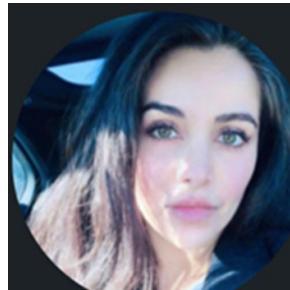
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Vice President-Elect



ANDREW GOW
Secretary
and Treasurer



FLORENCE BURLESON
Past President



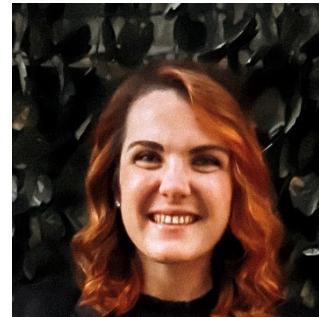
AMY SHARMA
Sr. Councilor



THEA GOLDEN
Jr. Councilor



CASSANDRA HOUSER
Graduate Student
Representative



MELISSA WILKINSON
Postdoctoral
Representative

ITSS MEMBER SPOTLIGHT

Congratulations, Dr. Nikolay Filipov

Dr. Nikolay Filipov was appointed as the new
Interdisciplinary Toxicology Program (ITP)
Director at the University of Georgia

Congratulations Dr. Nikolay Filipov!



UNIVERSITY OF
GEORGIA
Interdisciplinary
Toxicology Program

2023 SOCIETY OF TOXICOLOGY ANNUAL MEETING NASHVILLE, TN



Continuing Education (CE) Course:

March 19th, 2023 - Immunosafety: Current Considerations and Applications in the Landscape of Immunomodulatory Therapies

Chairs: Tracey Papenfuss and Shermaine Mitchell-Ryan

Time/Location: 1:15 PM - 5:00 PM
CST, Karl Dean Ballroom B1

Symposia:

March 20th, 2023

1. Humanized Mouse Models for Preclinical Evaluation of CAR T Cells

Chairs: Michael Oropallo and Marie-Soleil Piche

Time/Location: 1:15 PM - 4:30 PM CST, Room 209

March 22nd, 2023

2. Human Cells as Nonanimal Alternative Approaches for Immunotoxicity Testing

Chairs: Victor Johnson and Emanuela Corsini

Time/Location: 8:00 AM - 10:45 AM CST, Karl Dean Ballroom B1

2023 SOCIETY OF TOXICOLOGY ANNUAL MEETING NASHVILLE, TN

Informational Session

March 20th, 2023 - Toxicology, Translational, and Regulatory Considerations of Antisense Oligonucleotides and Other RNA-Centric Modalities

Chairs: Tracey Papenfuss and Jessica Grieves

Time/Location: 12:10 PM - 1:30 PM CST, CC Room 8

Immunotoxicology Poster Session

March 21st, 2023 – 2:30 PM - 4:15 PM CST, ToxExpo (Hall C)

Immunotoxicology Reception

March 22nd, 2023 – 6:00 PM - 7:30 PM CST, Legends Ballroom

Immunotoxicology Specialty Section Networking Event



IMMUNOTOXICOLOGY SPECIALTY SECTION
OF THE SOCIETY OF TOXICOLOGY

Who? **OPEN TO ALL!!!!!!**

Graduate students, postdocs, postbacs, undergrads

What?

Mixing, mingling, and a chance to get career and science advice from immunotoxicologists in all sectors

Where?

Legends Ballroom F
Omni Nashville Hotel

When?

Wednesday March 22, 4:45 PM - 5:45 PM (ITSS reception will follow)

Click the link to sign up:

(not mandatory to attend the event, but highly encouraged)

Academia

- Dr. Jamie DeWitt (East Carolina University)
- Dr. Jamie Bonner (NC State U)
- Dr. David Freier (Lynchburg College)
- Dr. Cody Smith (U Conn)

Industry & Contract Research Organization

- Dr. Jorg Blumel (Genentech)
- Dr. Florence Burleson (Burleson Labs)
- Dr. Shermaine Mitchell-Ryan (HESI Global)

Government

- Dr. Peyton Myers (US FDA)
- Dr. Melissa Wilkinson (AAAS Science)

[Register Here](#)

Report on the 29th Annual Meeting of the Japanese Society of Immunotoxicology (JSIT 2022)

Hiroyuki Kojima

President of the 29th Annual Meeting of the JSIT

School of Pharmaceutical Sciences, Health Sciences University of Hokkaido, Japan.

The 29th Annual Meeting of the Japanese Society of Immunotoxicology was held in Sapporo for two days, September 12th and 13th, 2022. Since the spread of coronavirus infections decreased, this meeting was fortunately held on-site after two years' web-meetings. The final number of abstract submissions was more than those in the web-meetings, and was similar to those in the on-site meetings before pandemic of coronavirus. We are really grateful that we were able to hold the annual meeting successfully with the cooperation and support of many people.

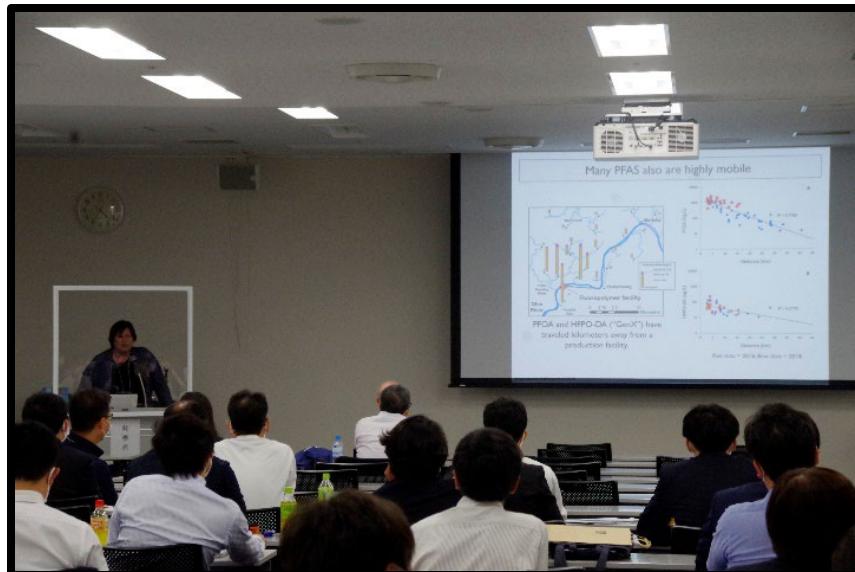
At this meeting, symposium, special lectures and educational lectures were planned with the main theme of "Immunotoxicity and Diseases - Leave our footprint". Symposium was titled "Environment, Immunity and Diseases". Dr. Takehiro Suzuki (National Institute for Environmental Studies) gave a lecture on "Multigenerational effects and epigenetic modification changes by gestational inorganic arsenic exposure", Dr. Naoki Takemura (Graduate School of Pharmaceutical Sciences, Osaka University) gave a lecture on "Understanding and controlling environmental particle-induced inflammatory diseases", Dr. Chikako Shimokawa (National Institute of Infectious Diseases) gave a lecture on "Suppressive mechanisms on autoimmune diseases by helminth infection", Dr. Hiroto Hatakeyama (Graduate School of Pharmaceutical Sciences, Chiba University) gave a lecture on "Exacerbation of an immune checkpoint inhibitor induced anaphylaxis by tumor-associated myeloid cells in tumor-bearing mice models", Dr. Michihiko Aoyama (National Institute of Health Sciences) gave a lecture on "Off-target cytotoxicity of antibody-drug conjugates", and Dr. Shunsuke Ito (Chugai Pharmaceutical Co., Ltd.) gave a lecture on "Involvement of Fc receptors in the immunotoxicity of biopharmaceuticals".

Special lectures of the annual meeting were "Indigo treatment targeting the mucosal healing of ulcerative colitis; Yin and yang" by Dr. Takanori Kanai (Keio University School of Medicine) and "Protecting public health from per- and polyfluoroalkyl substances : Focus on immunotoxicity" by Dr. Jamie C. DeWitt (East Carolina University), who was sent by SOT-ITSS. Educational lectures of the annual meeting were "Understanding efficacy, effectiveness and safety of vaccines: from an epidemiological perspective" by Dr. Wakaba Fukushima (Osaka Metropolitan University Graduate School of Medicine) and "How far can cancer be prevented?" by Dr. Masahiro Asaka (Health Sciences University of Hokkaido).

Workshop on the test methods was titled “Challenges of immunotoxicity assessment for diverse pharmaceutical modalities”, Drs. Yoshihiro Takahashi (Shin Nippon Biomedical Laboratories, Ltd.), Tetsuo Aida (Daiichi Sankyo Co., LTD.), Chiyomi Kubo (Chugai Pharmaceutical Co., Ltd.), and Shogo Matsumura (Astellas Pharma Inc.) presented on several issues of *in vivo* and *in vitro* test methods for immunotoxicity evaluation of biopharmaceuticals and so on. The comprehensive discussion had a precious time to improve our understanding.

General session included 7 oral presentations and 19 posters, and Young Scientist Session included 13 presentations which were to be presented as oral presentations and/or posters. In general session, fifteen minutes was given for each talk to ensure enough discussion time as previous annual meetings. As a result, Dr. Toshinobu Kuroishi (Graduate School of Dentistry, Tohoku University) received the Best Presenter Award. In addition, Mr. Issei Omori (Graduate School of Engineering, Kyoto University) and Mr. Shin-Ichiro Yamaguchi (Graduate School of Pharmaceutical Sciences, Ritsumeikan University) received the best Student and Young Scientist Presentation Award.

We would like to express sincere appreciation for attendants who actively discuss both oral and poster presentations. Totally over 110 people attended this on-site meeting. After all, I felt a lot of advantages of on-site meeting, the so-called “face to face”. We wish the further development of the Society.



Photo, Situation of presentation by Dr. Jamie C. DeWitt at the meeting room.

Special Honorary Member of JSIT

Dr. Jack H. Dean

It was a great pleasure to learn that I had been elected a Special Honorary Member of the Japanese Society of Immunotoxicology (JSIT). I will start by thanking Professor K. Nakamura for my nomination and this honor. For the past 25 years I have watched and been impressed with the growth, direction, and development of the JSIT from a small research group into an important national society that helped shape the direction of Immunotoxicology both in Japan and Internationally. I am grateful for both Professors K. Nakamura and T. Yoshida and others JSIT leaders for their continued cooperation with the Immunotoxicology Specialty Section (ITSS) of the Society of Toxicology (SOT). This cooperation encouraged joint symposium and exchange of researcher at both groups' national meetings.

As a founding member and first President of the ITSS (1988) it has been a great pleasure to watch the maturation of Immunotoxicology from an observational science describing chemical and drugs that produced immunotoxicity into a science defining molecular pathways targeted by these agents. These studies have also focused on the relevance of these observations in animals for man. The JSIT has been a significant contributor to this maturation and molecular focus in Immunotoxicology. Thank you again for this special honor.

Jack H. Dean, PhD, ScD (Hon.), Diplo. ABT, Fellow ATS



Special Honorary Member of JSIT

Dr. Michael I. Luster

I am humbled and deeply grateful for your invitation to be an honorary member of the Japanese Society of Immunotoxicology. I look with great fondness when recollecting upon the development of the ITSS in the US, which only had a few members in the 1970s and was tenaciously spearheaded by my friend, Dr. Jack Dean and then later the formation of the JSIT in 1994 and the hard work of your first president, Dr. Hiroshi Nagura. Both societies not only have thrived but have interacted well over the years and have been instrumental in the continued development of Immunotoxicology as an important subdiscipline in toxicology. Over the past 25 years the JSIT has made many outstanding international contributions in both basic and applied research to help protect human health and the environment and I am sure will continue to do so. Between the JSIT and ITSS there are now well over 500 members.

I am also very grateful to the many Japanese scientists that I had the honor to work with in the laboratories at NIEHS/NIH and then later at NIOSH/CDC including Drs. Tadaki Sugawara, Wataru Toriumi and Yasuhide Kouchi. I particularly want to thank my good friends and long-time colleagues Drs. Takahiko Yoshida and Fujio Kayama for the many excellent scientific collaborations and friendly dinners we had over many years. I would also like to pay tribute to Dr. Motoyasu Ohsawa, who I first met in the 1980s when he was working on cadmium immunotoxicity and I was working with dioxins. Over the years we shared the stage at numerous conferences and had many wonderful conversations.

Again, thank you very much for this honor.

ありがとうございました

Mike Luster

