Dear WIT members,

It is my great pleasure to serve as the President for Women in Toxicology (WIT) this year. In my first President's message, I would like to encourage members to become even more involved in WIT initiatives.

More than a decade ago when I entered the University of Louisiana's PhD program and joined Harithara Mehdendale's lab, I was relatively shy because of the new environment. I remember attending my very first SOT meeting less than a year after I had moved to the US. I was very homesick, and when I saw a jet passing by in the sky over the small town of Monroe, Louisiana, I wondered if that plane was going to China. At that first SOT meeting, Hari asked my lab mates and I to head over to the registration desk, introduce ourselves, and ask whether there was anything we could do to help. Homesick and shy, I hesitated, but because it was a mandate from the Big Boss, I had to do it. We ended up helping with the Continuing Education (CE) courses. We checked the tickets at the door and distributed the course materials. I felt like I belonged for the first time since arriving from China. That is what SOT did for me back then.

From then on, our group volunteered to help with the CE courses - until the SOT CE Committee started to organize student volunteers. As a student in Hari's lab, we attended four or five national and local meetings each year. For every meeting, not only did we need to present new data, but we also volunteered in any way we could. These early experiences have really taught and inspired me and others to actively contribute to our field by engaging both fellow colleagues and the general public. I personally have learned that such contributions are critical for the success of the Society of Toxicology as a whole. In recent years, I have been actively involved in various committees through the SOT. I also see that other students from Hari's lab are quite active. I often hear their voices or see their names on various SOT leadership conference calls or committee meetings. Earlier this year, I was elected to serve on the SOT Council. During my campaign, one of my goals for SOT was "to promote the participation of women in SOT, not only as members, but also as active participants in the Society. [To] further work to enhance opportunities for leadership and active participation for these members...". One of the major priorities of the WIT Executive Committee is to find ways to further recognize and promote the accomplishments of female toxicologists. If you have good ideas, please let us know. WIT always welcomes the input of those who truly want to be involved in WIT activities and make a difference -- just like those students from Hari's group so long ago. And while serving the society, you will find that you grow personally and professionally. You may even find yourself smiling when you hear a jet fly overhead.

Sincerely,

Tao Wang, PhD, DABT
Tao.Wang@novartis.com
President, Women In Toxicology SIG

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President, Women In Toxicology SIG
Catching up on gender buzz…
I mean bias.

By Drs. Marie C. Fortin & Shaun D. McCullough

As toxicologists, we often feel the need to state the obvious: “a mouse isn’t a small human”; “the dose makes the poison.” But what if we were to talk about the differences between men and women? We share 98% of our chromosomes. So, are we really that different? Differences between men and women and gender bias have been discussed from many angles for decades. However, they are still at the heart of key issues, particularly in sciences. From former Harvard President Dr. Laurence Summers’ comments on women in science just over a decade ago that led to his ouster to more recent articles on women in science from popular media outlets such as Scientific American and the New York Times, it is clear that issues surrounding women in science continue to draw attention. More recently, a twitter flare came out about an article authored by two women that was rejected from PloS ONE by a sole reviewer indicating that they should include a male author. Without firsthand access to the article it is difficult to pass judgment from Twitter alone, but ironically the article discussed gender differences in the PhD.-to-postdoc transition. Additionally, Nobel laureate Tim Hunt sparked both outrage and satire after a poor attempt at a “self-deprecating joke” about the “trouble with girls” in the lab. He suggested that men and women should be segregated in the lab to avoid romantic distractions and that women cry when criticized. Clearly, the topic is abuzz in the sciences.

When it comes to gender perceived or quantifiable differences, what is attributable to bias and what is due to biology? Are women tougher on each other as some have implied? Should peer-reviewers be blinded on the identity of the authors? Do expectations towards trainees vary based on gender? Maybe it’s time to read more about it (follow the links above)!

Faculty, postdocs, and grad students: Interested in adding value to your academic mentor-mentee relationship? By Dr. Marie C. Fortin

Women in Cell Biology, a sister organization, recently published a short article on the dos and don'ts of the art of evaluation. According to the Merriam-Webster’s dictionary, evaluation is: “an opinion- or the act of placing a value- on the nature, character, or quality of something.” Thus, it is clearly more of an art or judgement than an empiric, quantifiable, and equitable process. So then, the question for graduate students and postdocs is how can I, as an individual, improve the way I am rated? Similarly, mentors should strive to make a conscious effort to deliver fair evaluations towards all of their mentees and look beyond personal affinities. This article outlines a few practical strategies you can start implementing right away… a good read for everyone.

GET INVOLVED!

We Need Your Help for the Endowment Fund to Succeed!

The Celebrating Women in Toxicology Award Fund was inspired by the generosity of Ms. Anne Wolven Garrett, one of the early leaders in the SOT. Let us all be inspired to support the future generation of female leaders in toxicology by supporting this new endowment fund. We have less than two years left to reach our goal of raising $25,000 for this fund. When we reach this goal, the matching funds from SOT will allow WIT to offer another award in perpetuity to recognize and reward WIT members in the early stages of their career.

Thank you to those who have donated to this fund thus far. In 2014 we had 16 donors (with two company matching gifts). To date in 2015, only 4 donors contributed to the fund. WIT has over 600 members...if each member gave just $15, we would reach our goal.

Please consider making a donation to this important endowment fund. You can find more information and download the donor form here. Be sure to indicate the Celebrating Women in Toxicology Award Fund as the named fund. Also, please apply for a matching gift if your company has such a program. The SOT tax ID No. is 52-605-7050.
Congratulations to the 2015 Women in Toxicology SIG Award Winners!

Pictured with Brenda Faiola & Charles River Labs Representative Dr. Aurore Varela

Mentoring Award

Judith T. Zelikoff, PhD
Department of Environmental Medicine
New York University School of Medicine

Vera W. Hudson and
Elizabeth K. Weilsburger Scholarship Fund Student Award

Andrée-Anne Hudon Thibeault
INRS-Armand-Frappier Institute

Jessica M. Sapiro
(Honorable Mention)
University of Arizona

Graduate Student Achievement Award

Alexandra Colón-Rodriguez
Michigan State University

Kristin M. Bircsak
Rutgers University

Postdoctoral Achievement Award

Melissa A. Badding, Ph.D.
National Institute of Occupational Safety and Health

Jaime E. Mirowsky, Ph.D.
(Honorable Mention)
University of North Carolina

2015 Women in Toxicology SIG Award Winners

Awardees from left to right: Dr. Jaime E. Mirowsky, Ms. Andrée-Anne Hudon Thibeault, Ms. Alexandra Colón-Rodriguez, Dr. Brenda Faiola (WIT President), Dr. Judith T. Zelikoff, *Dr. Aurore Varela, Dr. Melissa A. Badding, Ms. Jessica M. Sapiro, Ms. Kristin M. Bircsak, Dr. Alexandria G. Lau, *representing Charles River Laboratories, which provided some of the funding for the Mentoring Award.

Special Thanks to Charles River Labs for Sponsoring WIT awards!!

Highlights from the 2015 WIT reception

Approximately, 200 members and friends attended the WIT reception at the 2015 Annual Meeting in San Diego! The evening started off with a networking game geared at meeting new members from different employment sectors. Brenda Faiola, the WIT 2014-2015 President, kicked off the business part of the reception by providing a summary of WIT activities throughout the year. These included an update on the Celebrating Women in Toxicology Award fund (see page 2— for current status), bylaws amendment, the addition of the Celebrating Your Success section to the WIT newsletters, WIT member participation in the SOT Mentor Match program, and several outreach events attended or organized by WIT members. Tao Wang, WIT 2014-2015 President-Elect, then described the goals for the new SOT Awards Nomination Committee. A highlight of the evening was the presentation of the WIT awards (see page 3— for details) recognizing our outstanding students, post-docs, and mentors who strive to promote women in science. A large thank you goes out to Charles River Laboratories for sponsoring the Mentoring Award. The WIT reception provides an excellent opportunity to network with other empowering women in toxicology and learn more about WIT’s mission, WIT sponsored events, and opportunities to get more involved. Be sure to mark your calendars for the WIT reception at the 2016 Annual Meeting in New Orleans. Stay tuned for details in a future newsletter!

Attendee record set by WIT at the Student/Post-doc Mixer!

By Jessica Sapiro M.S. and Jaime Mirowsky PhD

The top questions asked at the mixer included:

What current activities do WIT members participate in?
- Serve as chairs or speakers for annual meeting scientific sessions.
- Serve on SOT Award Nomination Committee or recommend nominees to help WIT facilitate SOT Award nominations on behalf of its members.
- Apply for WIT awards or serve on WIT Award Committee.
- Participate in the SOT Mentor Match program
- Participate in local K-12 outreach events

How can I become more involved as a student or post-doc?
- Volunteer to serve on committees for the WIT activities. Details and contact information are found here.
- Suggest or volunteer to author an article for the WIT newsletter.
- Attend the reception at the SOT annual meeting to keep up-to-date with WIT events, news, and meet other WIT members.

- Graduate students can apply for the student representative position and post docs can put their name on the ballot during the annual election. An announcement is made each fall for open position(s). If you are interested in learning more about the positions, we encourage you to contact the current representatives.

What mentoring opportunities does WIT support for its members?
- WIT highly encourages its members to participate in the SOT Mentor Match program. Details can be found here.
- The WIT reception contains a networking game. Participate and introduce yourself to other members and perhaps find a mentor!
- WIT is considering hosting a mentoring event at a future annual meeting and/or sharing mentoring success stories in future newsletters. Please email us with suggestions!

If you have questions, please email the student or post-doc representative.

Student Representative: Jessica Sapiro
Post-Doctoral Representative: Jaime Mirowsky
The workshop session titled *Infant Formula Nutrition: Regulatory & Safety Evaluation of Ingredients* was a great success, drawing more than 90 members who attended the SOT meeting held in San Diego, March 2015. The workshop began with a dedication of the session to Dr. Benson Merle Silverman by Dr. A. Wallace Hayes. Dr. Silverman was scheduled to speak; however, his untimely death was a shock to us all. Dr. Silverman, a physician and scientist, was the Director of the Infant Formula and Medical Foods Staff at the U.S. Food and Drug Administration (FDA). Benson was an exceptional person and made a positive impact on all who knew him.

After a brief introduction by Dr. Brinda Mahadevan, Dr. Carrie Assar from the FDA shared information dealing with the specific requirements for infant formulas regulated by the FDA, including data needed on the composition, product processing conditions, ingredient safety and clinical data. This was followed by Dr. Claire Kruger, who discussed challenges in a risk assessment conducted to evaluate the generally recognized as safe (GRAS) status of an infant formula ingredient by identifying those issues that must be addressed to meet the burden of proof that satisfies regulatory standards. The ingredient must be shown to be reasonably certain to be safe for its intended use. Case studies were presented that illustrated specific examples of the types of documentation needed for different types of ingredients including issues related to genetic modification, ingredient characterizaiton, allergenicity, anticipated exposure level, metabolic fate, appropriate animal models, and clinical studies. Dr. Bjorn Thorsrud then elaborated on one preclinical approach—the neonatal piglet as a research model for infant formula safety assessment. Such innovation spurs the development of new approaches. The final speaker, Dr. Roger Clemens, shared an overview of fundamental research approaches that underlie innovation and advances in the development of new and better infant formula ingredients that should contribute to improved health outcomes among infants and throughout their growing years.

**Toxicological Epigenomics: The Interface Between the Environment and Human Health**

*By Drs. Shaun D. McCullough and Dana C. Dolinoy*

In addition to genetic make-up, the intrinsic mechanisms regulating gene expression exert a great influence on the way in which individuals and populations respond to toxicant exposure. These epigenetic regulators, such as chromatin modifications, DNA methylation, and non-coding RNAs, function as critical and dynamic mediators of gene expression that shape the way that cells, tissues, and organisms respond to toxicant exposure. It is becoming increasingly clear that the epigenome plays a major role in modulating the response to toxicant exposure. This workshop, co-chaired by WIT members Dr. Shaun D. McCullough (U.S. Environmental Protection Agency) and Dr. Dana C. Dolinoy (University of Michigan), brought together toxicologists with diverse interests to discuss cutting-edge research focused around the role of the epigenome in environmental exposures.

The workshop was opened with an introduction to the epigenome given by Dr. Ronald N. Hines, the Associate Director for Health within the National Human and Environmental Effects Research Laboratory at the U.S. Environmental Protection Agency. Dr. Hines discussed the different components of the epigenome and its role in gene regulation. Dr. Hines highlighted the need to gain a better understanding of the contributions of the epigenome to adverse outcomes and the role that the epigenome plays in susceptibility to exposure effects.

Dr. Dolinoy, Associate Professor of Environmental Health Sciences at the University of Michigan, followed by discussing her multi-pronged approach to studying the role of DNA methylation, one of the core epigenomic mediators, to elucidate the impact of environmental exposures to bisphenol A (BPA) and lead (Pb) and dietary interaction on metabolic homeostasis. Dr. Dolinoy’s translational studies demonstrated that exposures to BPA and Pb alter DNA methylation patterns at specific target genes as well as across the genome and that these patterns can be modified by diet.

Then, Dr. Ivan Rusyn, Professor of Veterinary Integrative Biosciences at Texas A&M University, discussed the role of the epigenome, specifically chromatin modifications, in inter-individual differences in the carcinogenic effects of 1,3-butadiene. Dr. Rusyn’s findings demonstrated a mechanistic linkage between the genome, epigenome, and molecular initiating events in a population-based model of carcinogenesis.
Dr. Kari Nadeau, Director of the Sean N. Parker Center for Allergy Research and Associate Professor of Asthma, Allergy, and Immunology at Stanford University School of Medicine, presented her work on the role of the epigenome in polycyclic aromatic hydrocarbon (PAH)-mediated asthma and allergy severity. Her findings demonstrated that an increased average PAH exposure in children was linked to persistent immunomodulatory effects that were mediated by changes in DNA methylation. Dr. Nadeau’s presentation highlighted the role of epigenetic changes as mediators of long-term immunomodulatory effects and the exacerbation of atopic diseases.

Dr. Christopher Faulk, Senior Fellow in the Department of Environmental Health Sciences at the University of Michigan, closed the workshop by presenting his work on the effects of developmental exposure to bisphenol A (BPA) on the epigenome. Specifically, Dr. Faulk presented data indicating that BPA exposure altered DNA methylation patterns within transposons and other repetitive regions of the genome.

Overall, this was a great workshop that drew such a crowd that the fire marshal had to limit access to the session. These exceptional presentations showcased work that is at the forefront of mechanistic and molecular toxicology. The data presented in this session highlighted the importance of the epigenome as a modulator of health effects associated with environmental exposures and as a potential tool in the next generation of risk assessment.

Challenges in the Life Cycle of a Toxicologist

By Dr. Tina Levine

This session brought together toxicologists from varying sectors and career stages, as well as a former President of American Women in Science, to cover womb to tomb career issues from getting your first job to figuring out if and how to retire, as well as how to fit your personal life into all of this.

The session began with a focused discussion on getting a toxicology job with the Federal government by Tina E. Levine, the former Director of the Health Effects Division in the Office of Pesticide Programs, EPA. Tips included looking at a broader range of job titles, explaining your transcript very carefully to make sure you get credit for all of your toxicology courses, and being generous in your self-evaluation when answering the required multiple choice questions. There was considerable discussion after this talk about the availability of Staff Fellowship positions at the FDA, where non-citizens are able to hold a broad range of positions similar to full Federal positions, which are closed to non-citizens.

Following this talk, Jeffrey Moffitt, from Forum Pharmaceuticals, Inc., discussed aspects of starting your career in the private sector. This included discussing the range of organizations available to the newly minted toxicologist, but focusing on big pharma and small biotech. Both he and Drew Badger, from Amgen, Inc., compared mid-career toxicologists in large and small companies on a variety of scales including compensation, the breadth of the toxicologist’s role, daily work environment, and the titles used to describe people, being a generalist versus a specialist, and whether geography matters. Also discussed were the benefits of networking and becoming active in the scientific community, as well as the importance of deciding whether to move into regulatory affairs.

Donna J. Dean gave an overview of a workshop entitled, “Improving Your Work-Life Satisfaction” developed by the American Women in Science under a grant from the Elsevier Foundation. She pointed out that work-life satisfaction does not mean work-life balance and that these issues are not just about women, children and parenting, rather, types of work-life balance conflicts. Conflicts vary over time. In fact, over a third of us report conflicts between work and personal life 2-3 times per week. She suggested questions to ask before taking on new tasks, learning how to say no by saying yes, and delineating what you are able to do rather than doing everything. Learning to do this is a very important skill as you work your way up the corporate ladder. In this process, it is common to be reluctant to turn down a request/opportunity that could affect career trajectory, as discussed by previous speakers. Dr. Dean also discussed strategies for establishing guilt-free boundaries, the importance of becoming better at asking for what you want or need, planning and prioritizing, and finding ways to recharge.

The final speaker, William Allaben, talked about the challenges at the end of a career. He discussed the drivers that lead people to make the decision to retire and many of the practical financial considerations in retirement. He shared his experiences on retirement which included having a “decompression” period, followed by an active career in consulting, followed by a research job overseeing contract studies at the University of Arkansas Medical School similar to his pre-retirement government job at National Center for Toxicology Research. He acknowledged that he is about to have another “decompression” period as he considers his next phase of retirement.

The session was very well attended, especially the sessions focused on early career strategies and development. The session ended with many questions and a lively discussion.
Another Successful Year at the Mentoring Breakfast

By Drs. Marie Fortin and Erica Bruce

The San Diego Annual SOT meeting was also the host of the 4th Annual Mentoring Breakfast. This event is endorsed by the Career Resource and Development (CRAD) committee, the Graduate Student Leadership Committee (GSLC) and the Postdoctoral Assembly (PDA) and was chaired by Dr. Erica Bruce. The main objective of the breakfast is to facilitate the “matching” of junior toxicologists, typically graduate students and postdocs, with more senior mentors from the different sectors.

The breakfast was “sold-out” with all the tickets gone well before the end of the registration period! The lucky attendees benefited from a very high Mentee-to-Facilitators ratio. During the networking time of the breakfast, the Facilitators interacted with the mentees to understand their mentoring needs and preferences then used this information to identify possible mentors from the CRAD-maintained Mentor Match Database as well as other resources and their own networks.

In addition to finding a mentor for each mentee, the Facilitators also help the mentees in establishing a successful mentoring relationship by providing them with guidance on how to reach out and points on proper mentee etiquette. At the time of writing of this article, the “matches” were in progress. It is expected that they will be distributed in May. Mentees from the past years have expressed their satisfaction with the relationships they have built.

The mentees attending the Mentoring Breakfast also had the opportunity to hear an inspiring mentoring story. This year, Dr. Myrtle Davis (National Cancer Institute), kindly provided a thoughtful and touching story about the reciprocal nature of the mentoring relationship. The mentor-mentee relationship is often perceived as unidirectional but it is most effective when the relationship becomes reciprocal in nature where both parties benefit. Overall the Mentoring Breakfast was a resounding success and the planning committee looks forward to another successful breakfast in New Orleans!

If you have participated in a previous Mentor Match Breakfast and would like to be considered for sharing your success story at the next annual breakfast, please contact Kevin Merritt.

SOT Fun Run Top Female Athletes!!

WIT would like to congratulate Gwen Osborne and Jessica David for placing in the top three women contestants at the SOT Fun Run held this past March during the SOT Annual Meeting.

1st (11th overall): SOT Member, Gwen Osborne – 19:40
2nd (15th overall): Non-SOT member, confidential – 20:20
3rd (26th overall): SOT Member, Jessica David – 22:18
Just prior to the start of the 2015 Annual Meeting in San Diego, a couple dozen SOT members enjoyed a warm sunny day in the ToxTown booth at the annual San Diego Festival of Science and Engineering grand finale event, EXPO Day, at Petco Park stadium. The goal of the festival is to raise awareness of the importance of STEAM (Science, Technology, Engineering, Arts, and Math) education and to encourage San Diego’s K-12 students to pursue education and careers in these exciting fields. Over 20,000 attendees participated in EXPO Day’s 130 booths and SOT was well-represented in ToxTown. The Southern California Regional Chapter of SOT (SCCSOT) hosted and funded the booth through a SOT Regional Chapter Strategic Funding grant and through corporate K-12 sponsor funds, with support of the SOT K-12 Education Subcommittee, co-chaired by ToxTown “mayor” and SCCSOT and WIT member Virunya Bhat. The students toured ToxTown by first watching a Risk Bites episode on YouTube (www.riskbites.com) produced by 2015 SOT Communications Award winner Dr. Andrew Maynard, who was on hand in the flesh! Students then progressed to a caffeine module learning about dose-response and that caffeine is not always bad for you. Folding Handangos (www.scrubclub.org) to learn about proper hand washing and germs captivated the younger crowd. By far, the favorite activity was Tic-Tac-Tox, in which students spun the cubes to answer toxicology True or False questions hoping to get three-in-a-row to win an SOT-captioned Einstein. Many students entered having never heard of risk or toxicology, but left quite intrigued, with the last stop on the tour being a participant survey, which provides SOT education committees with valuable metrics. Many thanks to SCCSOT and our global slate of SOT members, several WIT members, and Annual Meeting attendee volunteers who ensured the event was a tremendous success, as evidenced by the non-stop traffic all day and the multiple social media tweets and “likes”! Special thanks also to Betty Eidemiller and Michelle Werts from the SOT HQ for logistical and media support. For further information on the event activities or other SOT K-12 initiatives, please email Virunya.
Celebrating YOUR Success!

By Dr. Brenda Faiola

WIT is pleased to present the third installment of Celebrating Your Success! This is a great way for our membership to “toot their own horns” and for all of us to recognize the achievement and advancement of WIT members in the field of toxicology.

This information was gathered from the online survey that was announced via email to all WIT members on 10 April 2015. Please keep your eye open as WIT will issue a survey again to allow you the chance to share your career success with others. Please take action to fill out the survey the next time it is announced. WIT wants to help you celebrate your recent achievements!

For those who know of WIT colleagues who might be reluctant to share their achievements, please send them the email and link to the survey and encourage them to fill it out. All accomplishments entered into the survey will be published in our newsletter. The accomplishments below were earned between July 2014 and May 2015. CONGRATULATIONS!!!

### Career Advancement / Transitions

**Mary Ellen Cosenza, PhD**
MEC Regulatory & Toxicology Consulting
Retired from Amgen and created consulting LLC (www.mecregtox.com)

**Alycia Halladay, PhD**
Autism Science Foundation
Hired as the first Chief Science Officer for the Autism Science Foundation

### Awards (non-employer)

**Kristin Bircsak, BS**
Rutgers University
Graduate Student Achievement Award, SOT WIT Special Interest Group; American Society for Pharmacology and Experimental Therapeutics
Graduate Student Travel Award

**Mary Ellen Cosenza, PhD**
MEC Regulatory & Toxicology Consulting
Career Achievement Award, SOT Biotechnology Specialty Section

**Marlene Kim, BS**
Rutgers University - Camden
Jean Lu Scholarship Award, SOT American Association of Chinese in Toxicology Special Interest Group

**Debra Laskin, PhD**
Rutgers University
Career Investigator Award, SOT Inhalation and Respiratory Specialty Section

**Erin M. Quist, DVM, MS, DACVP**
NTP/NIEHS
Roger O. McClellan Student Award, SOT TEP and CV Specialty Sections

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MEC Regulatory & Toxicology Consulting
Retired from Amgen and created consulting LLC (www.mecregtox.com)

**Alycia Halladay, PhD**
Autism Science Foundation
Hired as the first Chief Science Officer for the Autism Science Foundation

### Awards (employer)

**Kelly Almond, Doctoral Candidate**
St. John's University
University Research Scholarship Recipient

**Marlene Kim, BS**
Rutgers University - Camden
Best Student Paper Award from Rutgers Center for Computational and Integrative Biology

**Jean F. Regal, PhD**
University of Minnesota Duluth Medical School
Linda Larson Woman of the Year Award - to honor women at UMD who go above and beyond in making a difference in the lives of women at UMD

### Grants/Funding

**Michelle Hernandez, MS**
New York University
NIH Ruth L. Kirschstein National Research Service Award (NRSA)

**Debra Laskin, PhD**
Rutgers University
Competitive renewal for years 21-26 of NIEHS grant ES004738, Role of macrophages in ozone toxicity

### Elected / Appointed Leadership

**Kelly Almond, Doctoral Candidate**
St. John's University
Chair, Graduate Student Leadership

**Debra Laskin, PhD**
Rutgers University
Chair, Toxicology Division, ASPET

**Divinia Ries, MS EnvSc, MPH, PhD**
Michigan Department of Environmental Quality
Chairman, Michigan Toxics Steering Group - this group consists of all state toxicologists

### Other

**Janis E. Hulla, PhD, DABT, ATS, ERT**
US Army Corps of Engineers
Co-authored article titled "A Standard of Knowledge for the Professional Practice of Toxicology" in Environmental Health Perspectives

**Natalie E. Scholpa, PhD**
University of Georgia
Society for Experimental Biology and Medicine Young Investigator Award