

2026 Annual Meeting · Program

The Future of Toxicology: Connecting the Exposome to Human-Relevant Models

November 5–6, 2026
University of Texas at Arlington · Arlington, Texas

REGISTER NOW · EARLY-BIRD REGISTRATION ENDS NOVEMBER 1, 2026

Register through the Society of Toxicology: **https://www.toxicology.org/groups/rc/lssot/meetings.asp**

	Undergraduate Student	Graduate Student	Postdoc / Scientist	PI
Early Bird · through Nov 1	**$50**	**$50**	**$100**	**$150**
Standard/Onsite · Nov 2–6	$100	$100	$150	$200

ABSTRACT SUBMISSION EXTENDED TO NOVEMBER 1, 2026

Abstracts received after the original October 6 deadline will be presented as late-breaking posters.
Submit at: **https://forms.cloud.microsoft/r/WQ3ubQFsWU**

Program at a Glance

Thursday, November 5, 2026 · 3:00–7:00 PM | UTA Library, 6th Floor

3:00–4:00 PM	Registration, Check-In, and Poster Session (14 posters — see page 2)
4:00–4:10 PM	Welcome Remarks — Dr. Morteza Khaledi, Dean, UTA College of Science Dr. Yike Shen, LSSOT President, UTA
4:10–5:00 PM	Poster Session (continued)
5:00–7:00 PM	Dinner and Mentorship Event

Friday, November 6, 2026 · 8:00 AM–3:00 PM | UTA Library, 6th Floor

8:00–9:00 AM	Breakfast
9:00–10:00 AM	Keynote Address — Dr. Peng Gao, Harvard University *"Mapping the Human Exposome: From Population Pattern to Cellular Resolution"*
10:00–11:53 AM	Platform Session I · Talks 1–9 · 5-minute break 11:00–11:05 (see page 3)
12:00–1:00 PM	Lunch
1:00–2:29 PM	Platform Session II · Talks 10–16 · 5-minute break 1:48–1:53 (see page 3)
2:40–3:00 PM	Awards and Adjourn

Thank You to Our Sponsors

UTA College of Science

Shimadzu

Biomedical Solutions, Inc.

We are still accepting sponsors! Contact Dr. Yike Shen (yike.shen@uta.edu) or Dr. Erica Bruce (erica_bruce@baylor.edu).

Poster Session · Thursday, November 5

UTA Library, 6th Floor · 3:00–4:00 PM and 4:10–5:00 PM · Late-breaking posters accepted through November 1 will be added to this list.

P1 **Sini Macheri**
Baylor University
Differential Cytotoxic and Oxidative Stress Responses to PFOS, PFHxS, and 6:2 Fluorotelomer Alcohol in Human Lung Epithelial Cells

P2 **Gustavo Elizondo**
Texas A&M University
Functional Dissection of Epithelial Extracellular Signaling in Airway Epithelial–Fibroblast Communication

P3 **Akhil Satya Sai Cherukuri**
University of Texas at Arlington
The CONNECT Website: A Knowledge Graph Portal with a Locally Hosted AI Assistant for Environmental Health Cohorts

P4 **Vriti Diora**
University of Texas Medical Branch
Quantification of Oral and Conjunctival Absorption of Lead (Pb) from Kajal (Cosmetic) Exposure using a developed in silico PBPK model

P5 **Asha Ashraf**
Baylor University
HIF-1α Regulates AKT Signaling and Antioxidant Gene Expression in Acrolein-Exposed Differentiated Human Airway Epithelial Cells

P6 **Damali Zakers**
Texas A&M University
Maternal Ultrafine Particle Exposure Induces Sex-Specific transcriptomic alterations in the fetal lung

P7 **Maryam Ghalamkari**
University of Texas at Arlington
Exposure to PFAS, PCBs, and Micro- and Nanoplastics in a Flood-Affected Pregnant Cohort: A Post-Harvey Biomonitoring Study

P8 **Tomas Lugo**
Texas Tech University
Synergistic Cytotoxicity Responses to Cisplatin and Tamoxifen in Canine Osteosarcoma Cells

P9 **Chaverle Noel**
Baylor University
Assessing the Cytotoxic Potential of Polypropylene Micro and Nano-Fibers Mix in a Fish Gill Cellular Model

P10 **Kevin W. Porter**
Texas A&M University
Air Pollutants, Developmental Windows, and Asthma Susceptibility: Mapping In Vivo Models

P11 **Mia Sims**
University of Texas at Arlington
Silicone dioxide nanoparticles oral exposure to pregnant rats and its internal accumulation and distribution

P12 **Grant Wupperman**
University of Texas at Tyler
Targeting the Telomerase Active Site: High-Throughput Screening and Mechanistic Toxicology of Canonical and Noncanonical Roles

P13 **Sabrina Shahjabeen Alam**
Baylor University
Advancing Nicotine Analog Toxicology: Comparative Assessment of S-Nicotine and 6-Methylnicotine Using a 3D Human Lung Spheroid Model

P14 **Wei Xu**
Texas A&M University
Hidden Threat from the Sun: Developmental Toxicity of UV-Degraded Plastic Leachates in a Marine Model

Platform Sessions · Friday, November 6

UTA Library, 6th Floor · 12 minutes per talk (10-minute presentation + 2 minutes Q&A and changeover)

Platform Session I · 10:00 AM–12:00 PM · talks end 11:53, lunch at 12:00

Time	Presenter	Presentation title
10:00–10:12	**1. Shashwat Dhayade** University of Texas at Arlington	*Investigating the mechanisms of emerging and legacy contaminants bioconcentration in fish tissues using machine learning models*
10:12–10:24	**2. Madusha Malalage** Baylor University	*Inflammatory effects and tight junction protein dysregulation in bronchial epithelial cells exposed to diacetyl, a flavor enhancer used in e-cigarettes*
10:24–10:36	**3. Felix Ampadu** Texas A&M University	*Oral exposure to polyethylene microplastics aggravates steatosis and metabolic dysfunction*
10:36–10:48	**4. Semi Park** University of Texas at Arlington	*Indoor Air Quality, Housing Characteristics, and Asthma Outcomes in Dallas–Fort Worth Homes: Pre-Intervention Results from the AIRVAC Study*
10:48–11:00	**5. Prathibha Nirmani** Baylor University	*Population and genotype-specific variation in benzo[a]pyrene metabolism in pollution-adapted Gulf killifish (Fundulus grandis): Mechanistic insights and possible fitness costs*
11:00–11:05	*5-minute break*	
11:05–11:17	**6. Angela Ontanon** University of the Incarnate Word	*Decynium-22 as an adjuvant to risperidone may improve social behavior deficits in female mice corresponding to autism spectrum disorders (ASD)*
11:17–11:29	**7. Yidan Zhang** University of Texas at Arlington	*Multi-Omics Gut Microbiome Species Communities and Functional Modules linking Metal Exposures to Children's Neurodevelopmental Health in a Canadian Birth Cohort*
11:29–11:41	**8. Chi Huang** Texas A&M University	*Development of a novel human melanoma xenograft model in zebrafish for assessment of nanoplastic carcinogenesis*
11:41–11:53	**9. Rafia Afroze Rifa** Baylor University	*Mitochondrial and Endoplasmic Reticulum Stress Responses to Bisphenols in Human Intestinal and Hepatic Spheroids*

Platform Session II · 1:00–2:40 PM · talks end 2:29, awards at 2:40

Time	Presenter	Presentation title
1:00–1:12	**10. San Jin** University of Texas at Arlington	*Residential Mold Exposure, Housing Conditions, and Asthma-Related Health Outcomes in Dallas–Fort Worth Homes*
1:12–1:24	**11. Nikki Barlow** Texas A&M University	*Evaluation of Extraction Methods for Biomonitoring of Diverse Environmental Contaminants in Human Serum*
1:24–1:36	**12. Gracen Collier** Baylor University	*Exposure to Short Chain PFAS Modifies Membrane Transport Through Alterations to ABC Expression and ATPase activity*
1:36–1:48	**13. Meredith Wendland** University of Texas at Arlington	*AI-Agent Assisted Environmental Health Knowledgebase Curation in Project Viva Cohort*
1:48–1:53	*5-minute break*	
1:53–2:05	**14. Madison McFarland** Texas A&M University	*Utilizing Clay Sorbents as a Novel Intervention for Reducing Aflatoxin M1 Contamination in Milk: A Proof-of-Concept Study*
2:05–2:17	**15. Alisha Janiga-MacNelly** Baylor University	*Toxicological Evaluation of Emerging Phthalate Alternatives in Human Cell Models*
2:17–2:29	**16. Faria Jahan** University of Texas at Arlington	*Maternal-Fetal Transfer and Internal Distribution of Polystyrene Nano Plastics in an In-Vivo Rat Model*

Please share the LSSOT 2026 meeting information with students, colleagues, and partners with an interest in toxicology.