36th Annual Meeting
of the
Allegheny-Erie Society of Toxicology

Erickson Alumni Center
West Virginia University
Morgantown, WV  May 2–3, 2023
“We Are What We Breathe: Health Effects of Complex Air Pollutants”

The theme for the 2023 Allegheny-Erie Society of Toxicology meeting will focus on the many ways in which mixed air pollutants cause adverse health effects. Keynote speakers will headline each of three scientific sessions. Graduate students, postdoctoral scholars, and young investigators will have the opportunity to meet with our experts and present their research in each session.

Meeting highlights:

1) Graduate and undergraduate student “Lunch with an Expert” meeting.
2) Poster sessions on all toxicological subjects.
3) Poster tours for undergraduate students with expert members.
4) Awards for best presentation, best methodology, best overall poster, and best undergraduate poster.
5) Sponsors & Exhibitors will be present to exhibit state-of-the-art services and scientific equipment.

Undergraduate Researchers and Mentors: Attend, present your current research, network, and benefit from unique programming for students. Travel support is available.

For additional information, please contact Lizzie Bowdridge, PhD, A-E SOT President (ebowdrid@hsc.wv.edu).

A-E SOT Website: https://www.toxicology.org/groups/rc/allegheny/index.asp
PRELIMINARY SCHEDULE

Tuesday, May 2nd

9:00–10:30 Registration
10:45–11:00 Welcome and Announcements

SYMPOSIUM 1:
11:00–1:00 Inhalation and Mixed Combustion Emission Exposures
   10:45 Introduction/Symposium Overview (moderator – Dr. Timothy Nurkiewicz)
   11:00 Keynote Speaker: Yongho Kim PhD; US EPA, Research Scientist; “Key Factors Affecting Chemistry and Toxicity of Wildfire Smoke
   12:00 Md Habibul H Mazumder (Graduate student)
   12:20 Manish Bodas, PhD (Postdoctoral Fellow)
   12:40 Zachary Zimmerman, PhD (Young Investigator)
1:00–1:15 Break

SYMPOSIUM 2:
1:15–3:30 Novel Discoveries in Vaping Research and Health Impacts
   1:15 Introduction/Symposium Overview (Moderator – Dr. Mark Olfert)
   1:30 Keynote Speaker: Alex Carll, PhD, MSPH; Assistant Professor, University of Louisville School of Medicine, “The Role of Ingredients and Autonomic Imbalance in Vaping-Induced Cardiac Dysfunction
   2:30 Amber Mills (Graduate Student)
   2:50 Kent Marshall (Graduate Student)
   3:10 Yaw Twum, PhD (Postdoctoral Fellow)
3:30–6:30 Break - Poster Session – Networking – Refreshments
6:30 Announcements and Adjourn
Wednesday, May 3rd

8:00–9:00  Registration and Breakfast
  A-E SOT Business Meeting

SYMPOSIUM 3:

9:30–11:30  President’s Symposium
  9:30  Introduction/Symposium Overview (moderator – Dr. Lizzie Bowdridge)
  9:45  Keynote Speaker: Meghan Rebuli, PhD; Assistant Professor, University of North Carolina at Chapel Hill; “Sex Differences in Respiratory Responses to Inhaled Toxicants.”
  10:45  Jithin George (Graduate Student)
  11:05  Julie Griffith, PhD (Postdoctoral Fellow)
  11:25  Wan-Yee Tang, PhD (Associate Professor)

  11:45–12:45  “Lunch with an Expert” & Networking. Sign up by contacting Lizzie Bowdridge

12:45–1:00  Awards

1:00  Closing Comments and Adjourn
MEETING REGISTRATION

Please contact Lizzie Bowdridge, PhD, A-E SOT President (ebowdrid@hsc.wvu.edu) if you plan to register late (on-site) so we can plan accordingly for programs.

- $90 - full/associate member
- $150 - non-member
- $45 - member: post-doctoral fellow or graduate student
- $90 - non-member: post-doctoral fellow or graduate student
- $55 - retired
- $165 - late, on-site registration
- $0 - high school or undergraduate student
- $0 - high school or undergraduate chaperone

Credit Card Payment/Registration (SOT login required - member & non-member options exist):

Online Registration

Check Payment/Registration:

Please complete the section below; make checks payable to: ALLEGHENY-ERIE SOT, and mail to:

SOT Regional Chapters
11190 Sunrise Valley Drive, Suite 300
Reston, VA 20191

__________________________________________________
Name

__________________________________________________
Company

__________________________________________________
Address

__________________________________________________
City, State, Zip

__________________________________________________
Telephone / Email Address
LODGING

A block of rooms has been reserved under the “Allegheny Erie Society of Toxicology” at a local hotel, near the meeting venue. Free parking is also available at the WVU Alumni Center (during the day only). Rooms may still be available at the meeting rate of $119.00/night (plus taxes and incidentals):

Holiday Inn (Morgantown)
1188 Pineview Dr.
Morgantown, WV 26505
PHONE: 304-241-6649

DIRECTIONS TO THE ERICKSON ALUMNI CENTER

From I-79 North or South
1. Take I-79 Exit 155 at Star City. At bottom of exit ramp, bear right if traveling north, left if traveling south.
2. Bear to the right at the traffic light at Sheetz on Route 7
3. Make a left onto Patteson Drive at the traffic light at the Coliseum and merge into the right lane
4. At third traffic light, turn right onto University Ave.
5. Turn left at the first traffic light onto Alumni Dr. (formerly Medical Center Dr.). Parking is available in the lot on the right.

From I-68 East
1. Take I-68 East to Exit 7 (Airport/Pierpont Road) and turn right (Merge into middle lane)
2. Go straight through first traffic light
3. At the second traffic light, turn left onto 119 South
4. Go through traffic light (the airport will be on your left)
5. At the next traffic light, turn right onto 705
6. Go through five traffic lights
7. At the fifth light, turn left onto Van Voorhis Road
8. Go through one traffic light and get in the left-hand lane. Turn left at the next traffic light onto University Ave.
9. Turn left at the first traffic light onto Alumni Dr. (formerly Medical Center Dr.). Parking is available in the lot on the right.
SPEAKER BIOGRAPHIES

**Dr. Yongho Kim, PhD**
US EPA, Research Scientist
Public Health and Integrated Toxicology Division

Dr. Yong Ho Kim is a Research Scientist in the Public Health and Integrated Toxicology Division with over 15 years of experience on air chemistry, generation of complex atmospheric mixtures, and in vitro/in vivo lung models. He obtained a PhD in Chemical Engineering from the University of Southern California. After finishing his PhD, he joined the Cardiopulmonary and Immunotoxicology Branch as a National Research Council Senior Research Associate to study about health effects of various airborne particles in 2013. He later joined the Center for Environmental Medicine, Asthma and Lung Biology at UNC before transitioning to a Principal Investigator at EPA in 2022. He has received a number of awards from the Society of Toxicology and the U.S. EPA, for example, Best Publication Award and Scientific and Technological Achievement Award Level II. He is also the recipient of several research grants from NIEHS, NIH, and EPA as a PI and a Co-investigator. His current research focuses on combustion byproducts and their health effects.

**Dr. Alex Carll, PhD, MSPH**
University of Louisville School of Medicine
Assistant Professor

Dr. Carll has investigated the role of the autonomic nervous system in inhaled toxicant-induced cardiac pathophysiology for the past 18 years. He obtained his PhD at UNC Chapel Hill’s School of Public Health while researching at the U.S EPA’s Cardiopulmonary and Immunotoxicology Branch. After a post-doctoral fellowship at Harvard School of Public Health, he joined the University of Louisville as an assistant professor, expanding his research from air pollutant exposures to inhaled tobacco product aerosols, both in animals and humans. Presently, his laboratory investigates how e-cigarette aerosols impair cardiac electrophysiology and hemodynamic function in mice, while also conducting epidemiologic and clinical studies of the electrophysiologic and autonomic effects of smoking. To this end, Dr. Carll is Principal Investigator of two NHLBI R01s in Tobacco Regulatory Science, and Co-Investigator of the AHA Tobacco Regulation and Addiction Center.
Dr. Meghan Rebuli; PhD
University of North Carolina at Chapel Hill School of Medicine
Assistant Professor

Dr. Meghan E. Rebuli is an Assistant Professor of Pediatrics, Director of Graduate Studies for the Curriculum in Toxicology & Environmental Medicine, and a member of both the Center for Environmental Medicine, Asthma and Lung Biology at the University of North Carolina at Chapel Hill. She earned a Bachelor of Science and a Doctoral degree from North Carolina State University and completed her postdoctoral training at the University of North Carolina at Chapel Hill. Her research focuses on investigating sex specific effects of air pollutants and new and emerging tobacco products on respiratory health. Specifically, she is interested in how the interaction of sex, both genetic and hormonal, and inhaled toxicants can alter respiratory health at the individual level and population level. Dr. Rebuli investigates these questions using in vivo prospective and observational clinical studies and translational cell culture models.