Michigan Regional Chapter of the Society of Toxicology

MISOT FALL 2022 MEETING

Friday October 14, 2022

"Recent Developments in Environmental Chemical Mixtures Research"

8:00-8:45 AM — Registration, Breakfast, and Poster Setup

8:45-9:00 AM — Welcome and Introduction

9:00-10:00 AM — **Dr. John Meeker,** University of Michigan: *Approaches and Challenges for Studying Exposure to Chemical Mixtures in Human Populations.*

10:00-11:00 AM — **Dr. Cynthia Rider,** NIEHS Toxicology Branch: Virtual presentation: *The Devil is in the Details: Evaluating the Toxicity of Complex Mixtures.*

11:00-11:15 AM — Coffee Break

11:15-12:15 PM — **Trainee Platform Presentations** (SESSION 1)

- Platform 1: Oluchukwu Okoyeocha, Michigan State University. *Role of the Nrf2 pathway in chloropicrin induced ocular toxicity in human corneal epithelial cells and mice.*
- Platform 2: Maria Kloboves, Michigan State University. *Associations of phthalate metabolites and mixtures with ovarian volume in midlife women*.
- Platform 3: Samantha Heldman, Wayne State University*. Identification of liquid crystal monomers and their mixtures as novel metabolic disrupting chemicals.*
- Platform 4: Zimu (Christine) Wei, Michigan State University. *Dichotomous effects of tissue transglutaminase deficiency on liver regeneration after partial hepatectomy.*

12:15-1:30 PM — Lunch Break; Networking Discussion for Trainees

- Jodi Flaws, University of Illinois, Urbana-Champaign
- Rich Cook, US EPA, National Vehicle and Fuel Emissions Laboratory (NVFEL)
- Brian Hughes, Michigan Department of Environment, Great Lakes, and Energy (EGLE)
- Kelly Magurany, NSF International

1:30-2:30 PM — **Dr. Jodi Flaws,** University of Illinois, Urbana-Champaign: *The Effects of Phthalates on Female Reproduction.*

2:30-3:40 PM — **Trainee Platform Presentations** (SESSION 2)

- Platform 5: Amelia Grant-Alfieri, University of Michigan. *Changes in adipose tissue and circulating concentrations of persistent organic pollutants in midlife women.*
- Platform 6: Laimar Garmo, *Wayne State University. Alterations in bone marrow microenvironment from per- and polyfluoroalkyl substance exposure create a suitable niche for metastatic prostate cancer growth.*
- Platform 7: Diana Pacyga, *Michigan State University. Joint associations of phthalate/replacement biomarkers with gestational weight gain through late pregnancy.*
- Platform 8: Mathia Colwell, University of Michigan. *Intergenerational arsenic exposure on the mouse epigenome and metabolic physiology.*
- Platform 9: Rebekah Petroff, University of Michigan. *Neonatal DNA methylation and hydroxymethylation mediates the relationship between early life exposures to per- and polyfluoroalkyl substances (PFAS) and birth outcomes.*

3:40-4:30 PM — **Poster Session and Afternoon Snacks**

4:30-4:45 PM — Closing Comments and Award Announcements