

**HUMAN TOXICOLOGY AND EHSRC  
RESEARCH SEMINAR (TOX:7180) FOR SPRING 2026**

Time: Friday 11:00 am

Location: 2189 MERF (unless otherwise noted)

- January 30      ***ApoE4 – The genetic risk factor for Alzheimer’s disease and its association with hypertension***  
Nusaira Beenta Shahab, MS  
Human Toxicology Program, University of Iowa
- February 6      ***When signaling becomes toxic: The pathogenic role of catecholamine metabolism in the heart***  
Rachel Crawford  
Human Toxicology Program, University of Iowa  
**Note different location: 2117 MERF**
- February 13      ***The replication of damaged DNA: A biochemical and structural perspective***  
Todd Washington, PhD  
Professor in Biochemistry and Molecular Biology  
Carver College of Medicine, University of Iowa
- February 20      ***The application of modern imaging technologies to the study of toxicology***  
Thaddeus Wadas, PhD  
Associate Professor of Radiology – Division of Nuclear Medicine  
Carver College of Medicine, University of Iowa
- February 27      ***Regulation of Diabetic Peripheral Artery Disease: Insights from Limb Salvage QTL-1***  
Ayotunde Dokun, MD, PhD, FACE  
Professor of Internal Medicine – Endocrinology and Metabolism  
Carver College of Medicine, University of Iowa
- March 6      ***From Airborne Hazard Assessment to Extracellular Vesicle–Mediated Mechanisms of Pulmonary Injury***  
Andrea Adamcakova-Dodd, PhD  
Research Assistant Professor  
Department of Occupational and Environmental Health  
College of Public Health, University of Iowa

- March 13      ***Enhancing lentiviral vector tropism and transduction efficiency in airway epithelial cells for cystic fibrosis gene therapy***  
Priyanka Kailas Newase, MS  
Human Toxicology Program, University of Iowa
- March 20      ***Spring Break***  
No Seminar
- March 27      ***SOT 65th Annual Meeting and ToxExpo, San Diego, California***  
No Seminar
- April 3        ***Multisystem effects of polychlorinated biphenyls: A cross-species approach to neurotoxicity and molecular disruption***  
Nicole Breese  
Human Toxicology Program, University of Iowa
- April 10      ***Respiratory hazard identification of polyamide-12 microplastic aerosol exposures: An exploratory-driven approach***  
Milica Pavlovic, MPharm  
Human Toxicology Program, University of Iowa
- April 17      ***IHGG Genomics Division: Services and Resources to Support Current and Future Genomics-based Research***  
Kevin Knudtson, PhD  
Director, Genomics Division  
Iowa Institute of Human Genetics (IHGG)  
Carver College of Medicine, University of Iowa
- April 24      ***Pattern Recognition Signals and the Hygiene Hypothesis: Bridging Toxicology and Population Health to Uncover the Mysteries of Endotoxin***  
Peter S. Thorne, MS Engr, PhD  
University of Iowa Distinguished Chair and Professor  
Director, Human Toxicology Program
- May 1         ***Geospatial analysis of livestock facilities in Iowa and their impacts on public health***  
Anne Schechinger, MS  
Midwest Director  
Environmental Working Group  
Minneapolis, MN  
**Note different location: 2117 MERF (Speaker will present by Zoom)**