

# Air Pollution and Health Research Symposium

**November 21, 2024**

8:00 am – 6:00 pm

Memorial Art Gallery

500 University Avenue

Rochester, NY 14607

- 8:00-8:30 am Continental breakfast (M&T Bank Ballroom)
- 8:30-9:00 am Welcome & Overview of Air Pollution Research at URMC (Auditorium)  
**Alison Elder, PhD**  
Department of Environmental Medicine  
University of Rochester

## Investigating Air Pollution Health Effects in the Laboratory (Auditorium)

- 9:00-10:15 am *“Vulnerability of Developing Brain to Ambient Ultrafine Particulate Matter Air Pollution”*  
**Deborah A. Cory-Slechta, PhD**  
Department of Environmental Medicine  
University of Rochester
- “Myelosuppressive Effects of E-cigarette Aerosol Exposures and the Associated Risk of Secondary Bacterial Infections”*  
**Matthew McGraw, MD**  
Department of Pediatrics—Pulmonology  
University of Rochester
- “A Transfer Learning Approach Utilizing High-Resolution TEM for Assessing the Impact of Inhaled Environmental Metal Nanoparticles in the CNS”*  
**Uschi Graham, PhD**  
Bio-Innovations Institute
- 10:15-11:00 am *“When Smoke Causes Fire: Delineating the Dynamic Neuroinflammatory Response to Wildfire Smoke”*  
**Matthew Campen, PhD, MSPH**  
New Mexico Center for Metals in Biology and Medicine Health Sciences Center  
University of New Mexico
- 11:00-11:30 am Coffee Break (M&T Bank Ballroom)
- 11:30-12:00 pm *“Sleep Disturbance and Glymphatic Impairment: Uncovering the Missing Link Between Air Particulate Matter Exposure and Alzheimer's Disease”*  
**Rashad Hussain, PhD**  
Center for Translational Neuromedicine  
University of Rochester

*“Subway Iron Exposures and Neurodegenerative Risk”*

**Marissa Sobolewski Terry, PhD**

Department of Environmental Medicine  
University of Rochester

12:00-1:00pm LUNCH (M&T Bank Ballroom)

12:30-1:15 pm *“New York State DEC’s 2022-2023 Community Air Monitoring Initiative”* (M&T Bank Ballroom)

**Joseph Marto, PhD**

NY State Department of Conservation  
Group discussion

1:15-2:00 pm POSTERS, COMMUNITY TABLES\* (Ballroom, Bausch and Lomb Parlor)

*\*Posters and materials on tables need to be removed by 4:00pm due to another event\**

### **Population Based Studies Examining Air Pollution Impacts on Health (Auditorium)**

2:00-2:45 pm *“Air Pollution and Neurodegeneration: Evidence from Epidemiologic Studies of Administrative Datasets”*

**Marianthi-Anna Kioumourtzoglou, ScD**

Department of Environmental Health Sciences  
Columbia University

2:45-3:35 pm *“Changes in Source Specific PM<sub>2.5</sub> Associated with Policy Implementations and Economic Drivers”*

**Philip Hopke, PhD**

Department of Public Health Sciences  
University of Rochester

*“Air Pollution and the Pathogenesis of Respiratory Infection”*

**Daniel Croft, MD, MPH**

Department of Medicine—Pulmonary & Critical Care Unit  
University of Rochester

3:35-4:00 pm Coffee Break (M&T Bank Ballroom)

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4:00-4:45 pm *“Gestational PM<sub>2.5</sub> and NO<sub>2</sub> exposure and associations with measures of maternal, fetal and placental biology: the Rochester UPSIDE Cohort Study”*

**David Rich, ScD**

Department of Public Health Sciences  
University of Rochester

*“Traffic Related Air Pollution and Infant Health: Evidence from Wind Direction, Electronic Tolling, and Construction Projects”*

**Elaine Hill, PhD**

Department of Public Health Sciences  
University of Rochester

- 4:45-5:15 pm Awards and Acknowledgements  
Presentation of the ***Utell-Frampton-Oberdörster*** award for best-poster
- 5:15-6:00 pm Reception (Bausch and Lomb Parlor)  
Museum wander