Purpose: This symposium will bring together scientists, clinicians, and public health professionals interested in emerging research in the field of children’s environmental health to stimulate scientific collaboration and communication across disciplines.

8:30 Registration

9:00 Welcome and overview

Stephanie Engel, Deputy Director, Center for Environmental Health and Susceptibility and Professor in the Department of Epidemiology, Gillings School of Public Health

9:15 Morning keynote: Temporal Dynamics in Environmental Health

Manish Arora, PhD, BDS, MPH, Professor of Environmental Medicine and Public Health, Icahn School of Medicine at Mount Sinai

10:15 Break

10:30 Environmental Influences on Children’s Neurodevelopment:

Margaret Sheridan, PhD, Assistant Professor of Psychology and Neuroscience, UNC School of Medicine

Understanding pathways of exposure to childhood adversity: Deprivation and Threat

Mark Zylka, PhD, WR Kenan Jr. Distinguished Professor, UNC School of Medicine

Exploiting genetics to identify environmental risks for autism

Ed Norman, MPH, Head, Children’s Environmental Health Branch, NC Division of Public Health, Childhood Lead Surveillance Data’s Effectiveness in Fostering Partnerships, Outreach and Policy

Stephanie Engel, PhD

Moderated panel discussion

12:00 Lunch and Lightning Talks: Suzanne Kennedy, PhD, Director UNC Children’s Research Institute

- Elise Hickman, Graduate Student, School of Medicine – Toxicology and Environmental Medicine, The Effects of E-Cigarette Flavorings on Neutrophil Function
- Giehae Choi, Graduate Student, Department of Epidemiology, Maternal exposure to outdoor air pollution and congenital limb deficiencies in National Birth Defects Prevention Study
- Adam Bryant Miller, Research Assistant Professor, Department of Psychology and Neuroscience, Adolescent suicide as a failure of stress response systems: The contributing role of early life adversity
- Samantha Drover, Graduate Student, Department of Epidemiology, Maternal thyroid hormones at mid-gestation and child IQ at 3.5 years: Effect measure modification by child sex

1:15 Afternoon keynote:

Furthering Air-Health Policies: Extracting Truth from the Cauldron of Environmental Science and Politics

Dan Costa, ScD, former National Program Director, USEPA Air, Climate and Energy Research Program

2:15 Break
2:30  

**Environmental Influences on Children’s Respiratory Health:**

*Samir Kelada*, PhD, MPH, Associate Professor of Genetics, UNC School of Medicine,  
*Understanding Variation in Response to Air Pollution Though Genetics*

*Ilona Jaspers*, PhD, Professor of Environmental Sciences and Engineering, UNC Gillings School of Global Public Health, and Professor of Pediatrics, Microbiology and Immunology, UNC School of Medicine,  
*E-cigarettes: Why This Inhalation Toxicologist is Worried*

*Sally Herndon*, MPH, Head, Tobacco Prevention and Control Branch, NC Division of Public Health,  
*Protecting Young Lungs: How Research Influences Statewide Tobacco Prevention Policy*

*Jeannette Bensen*, PhD, Research Associate Professor, Department of Epidemiology, Director UNC Health Registry/Cancer Survivorship Cohort  
*Moderated panel discussion*

4:00pm  

**Closing comments**

*Michael Sanderson*, MPH, Associate Director, UNC Center for Environmental Health and Susceptibility

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