

**Early Career Researchers Environment, Climate and Cancer
Virtual Satellite Session**

Friday October 27, 2023

8:00am – 1:00pm EST

Organizing committee:

Hari Iyer, ScD (Rutgers)
Benjamin Bates, MD (Rutgers)
Cassie Clark, PhD (Yale)
Honghyok Kim, PhD (University of Illinois, Chicago)
Jessical Madrigal, PhD (National Cancer Institute)
Camille Lassale, PhD (ISGlobal)

Agenda (Tentative)

Moderators	Topic	Time (EST)
Hari Iyer, Camille Lassale	Welcome/Overview	8:00-8:10
Benjamin Bates	Panel: Linking climate change-related exposures to disruption of clinical care — presenters will discuss projects using climate data sources and clinical/medical claims databases, with Q&A	8:10-9:10
Hari Iyer, Camille Lassale, Cassie Clark	Scientific Abstracts: Session 1 – Environmental exposure and cancer risk <ol style="list-style-type: none"> 1. Stajanko - Prenatal toxicant exposure and risk of childhood cancer 2. Ma - Ambient fine particulate matter exposure and risk of incident liver cancer in the NIH-AARP Diet and Health Study 3. Sharma - Air pollution and cancers of the Central Nervous System (CNS): A scoping review 4. Rhee - Serum concentrations of per- and polyfluoroalkyl substances and risk of renal cell carcinoma in the Multiethnic Cohort Study 5. Moon - The risk of basal and squamous cell carcinoma and melanoma for outdoor workers with sunlight exposure: a meta-analysis 6. Palomar – Exposure to artificial light-at-night and cancer risk in the GCAT cohort study 	9:10-10:00
	Break	10:00-10:10
Honghyok Kim	Training: Designs for epidemiologic studies of climate change and health — overview of time series and natural experiments, and applications for climate change/environmental epi studies, with Q&A	10:10-11:00
Hari Iyer, Camille Lassale, Cassie Clark	Scientific Abstracts: Session 2 – Indices, -omics and complex biomarkers of carcinogenic environmental exposures <ol style="list-style-type: none"> 1. Thacher - Transportation noise and breast cancer: DNA methylation in four core circadian genes 2. Bonvicini - Environment and Climate change, cancer, risk factors: the exposome approach - in search of knowledge 	11:00-11:50

	<p>3. <i>Remigio</i> - Applying a hydroclimatological index to assess nitrate contamination in private drinking water wells across Iowa from 1991-2011</p> <p>4. <i>Daramola</i> - Exploring the Nexus of Microbiology and the Psychological Implications of Environment, Climate Change, and Cancer: A Multifaceted Analysis</p> <p>5. <i>Rhee</i> - A metabolomic investigation of serum perfluorooctane sulfonate and perfluorooctanoate</p>	
	Break	11:50-12:00
Jessica Madrigal	<p>Training: Overview of climate change-related data sources - how to find, what is available, considerations for spatial/temporal coverage, with Q&A</p> <ul style="list-style-type: none"> • <i>Remigio</i> - Geographic patterns in wildfire exposures and county-level lung cancer mortality in the United States 	12:00-12:50
Hari Iyer, Camille Lassale	Closing remarks	12:50-1:00