

**2024 Pittsburgh International Lung Conference:
From Smog to Social Equity: How the Exposome Shapes Our Respiratory Health**

September 19-20, 2024, University Club

Thursday, September 19, 2024

7:30 AM 8:15 AM **Registration, Refreshments, and Poster Viewing**
(LOBBY AND BALLROOM A, FIRST FLOOR)

MAIN MEETING SESSION: BALLROOM B, SECOND FLOOR

8:15 AM 8:30 AM Welcome and Introduction

8:30 AM 8:55 AM **Keynote Presentation – What is the Exposome?
Unraveling the Impact of the Environment on Lung Health**
Gary W. Miller, PhD
Columbia University Mailman School of Public Health

SESSION 1: INDOOR AND OUTDOOR AIR POLLUTION

Session Chairs: *Jessica Bon, MD, MS; University of Pittsburgh*
Marc Gauthier, MD; University of Pittsburgh
Fernando Holguin, MD; University of Colorado

8:55 AM 9:00 AM **Session Chair Introduction**

9:00 AM 9:20 AM **The Interplay of Air Pollution, Diet, and COPD**
Nadia Hansel, MD, MPH
Johns Hopkins School of Medicine

9:20 AM 9:40 AM **Air Quality and Public Health: Strategies for Mitigating the
Impact on Lung Disease**
Jonathan Samet, MD, MS
Colorado School of Public Health

9:40 AM 10:00 AM **Clearing the Air: Addressing Local Air Quality Challenges in the
Pittsburgh Region**
James Fabisiak, PhD
University of Pittsburgh

10:00 AM 10:10 AM **Early Career Presentation #1**

10:10 AM 10:30 AM **PANEL DISCUSSION**

10:30 AM 10:55 AM **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)

SESSION 2: MICROBIOME AND THE ENVIRONMENT: THE ROLE IN ASTHMA AND COPD

Session Chairs: Charles Dela Cruz, MD, PhD; University of Pittsburgh
Barbara Methé, PhD; University of Pittsburgh
Keven Robinson, MD; University of Pittsburgh
Lokesh Sharma, PhD; University of Pittsburgh

10:55 AM	11:00 AM	Session Chair Introduction
11:00 AM	11:20 AM	The Built Environment, the Microbiome, and Lung Health <i>Peggy Lai, MD, MPH</i> Harvard Medical School
11:20 AM	11:40 AM	The Impact of the Microbiome and Air Pollution in COPD <i>Josiah Radder, MD, PhD</i> University of Pittsburgh
11:40 AM	12:00 PM	Beyond Genetics: The Interplay of Infections and Environment in Pediatric Asthma <i>Erika von Mutius, MD</i> Helmholtz Munich, Germany
12:00 PM	12:10 PM	Early Career Presentation #2
12:10 PM	12:30 PM	PANEL DISCUSSION
12:30 PM	1:30 PM	Lunch (BUFFET PROVIDED, GOLD ROOM, SECOND FLOOR)
1:00 PM	1:50 PM	Poster Session (BALLROOM A, FIRST FLOOR)
PANEL SESSION: TRANSFORMING THE EXPOSOME: THE POWER OF PERCEPTION, POLICY, AND PUBLIC OPINION <i>Moderators:</i> Ian Barbash, MD; University of Pittsburgh Stephanie Maximous, MD, MS; University of Pittsburgh Rachel Wojcik, MD; University of Pittsburgh		
1:50 PM	2:00 PM	Introduction
2:00 PM	2:50 PM	PANEL DISCUSSION -Peter Adams, PhD; Carnegie Mellon University -Beth Hoffman, PhD, MPH; University of Pittsburgh -Matt Mehalik, PhD; Breathe Project -Jaime Sidani, PhD, MPH, CHES; University of Pittsburgh
2:50 PM	3:05 PM	Refreshment Break and Poster Viewing (BALLROOM A, FIRST FLOOR)

SESSION 3: THE INHALED EXPOSOME: SMOKING AND VAPING

Session Chairs: Kambez Benam, DPhil; University of Pittsburgh
John Evankovich, MD; University of Pittsburgh
Tomeka Suber, MD, PhD; University of Pittsburgh

3:05 PM	3:10 PM	Session Chair Introduction
3:10 PM	3:30 PM	From Smoking to Vaping: The Immunologic Response in the Lung <i>Laura Crotty Alexander, MD</i> <i>University of California, San Diego</i>
3:30 PM	3:50 PM	Cannabis Vaping: Emerging Modalities and Pulmonary Toxicology <i>Irfan Rahman, PhD</i> <i>University of Rochester, New York</i>
3:50 PM	4:10 PM	E-cigarette Flavorings and Their Impact on The Lungs <i>Divay Chandra, MD, MSc</i> <i>University of Pittsburgh</i>
4:10 PM	4:30 PM	E-cigarettes and the Airway Epithelium <i>Ilona Jaspers, PhD</i> <i>University of North Carolina at Chapel Hill</i>
4:30 PM	4:40 PM	Early Career Presentation #3
4:40 PM	5:00 PM	PANEL DISCUSSION
5:00 PM		Adjournment
5:15 PM	5:45 PM	Travel Time to Banquet Reception
<i>Banquet Reception Location – Phipps Conservatory Special Events Hall & Tropical Forest</i>		
5:30 PM	6:30 PM	Cocktails
6:30 PM	7:30 PM	Dinner Served
7:30 PM	8:00 PM	Keynote Presentation during dessert <i>Introduction - Sally Wenzel, MD; University of Pittsburgh</i> <i>Science Alone Will Not Save Us: Lessons from Covering Environmental Health and Science</i> <i>Presented by:</i> <i>Reid R. Frazier</i> <i>Energy Reporter</i> <i>The Allegheny Front; State Impact Pennsylvania</i> <i>90.5 FM WESA - Pittsburgh's NPR News Station</i>
8:30 PM	9:00 PM	Transportation back to hotels

Friday, September 20, 2024

8:00 AM 8:30 AM **Registration, Refreshments, and Poster Viewing**
(LOBBY AND BALLROOM A, FIRST FLOOR)

MAIN MEETING SESSION: BALLROOM B, SECOND FLOOR

SESSION 4: CLIMATE CHANGE AND THE LUNG

Session Chairs: Naftali Kaminski, MD; Yale School of Medicine
Corrine Kliment, MD, PhD; University of Pittsburgh
Maureen Lichtveld, MD, MPH; University of Pittsburgh

8:30 AM 8:40 AM **Welcome and Session Chair Introduction**

8:40 AM 9:00 AM **From Pollen to Pollution: How Climate Change Amplifies Respiratory Allergens**
Kari Nadeau, MD, PhD
Harvard T.H. Chan School of Public Health

9:00 AM 9:20 AM **A Double-edged Sword: The Environmental Impact of Inhaler Therapy**
Alexander Rabin, MD
University of Michigan

9:20 AM 9:40 AM **The Exposome During Military Deployments: A Look into a Climate Change Future?**
William G. Bain, MD
University of Pittsburgh School of Medicine

9:40 AM 9:50 AM **Early Career Presentation #4**

9:50 AM 10:10 AM **PANEL DISCUSSION**

10:10 AM 10:25 AM **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)

SESSION 5: BASIC TO CLINICAL TRANSLATION IN THE EXPOSOME

Session Chairs: Peng Gao, PhD; University of Pittsburgh
Melanie Königshoff, MD, PhD; University of Pittsburgh
Sally Wenzel, MD; University of Pittsburgh

10:25 AM 10:30 AM **Session Chair Introduction**

10:30 AM 10:50 AM **How Environmental Factors Contribute to Chronic Lung Diseases**
Mary Berlik Rice, MD, MPH
Massachusetts General Hospital

10:50 AM 11:10 AM **Understanding the Complexities of the Atmosphere**
Coty Jen, PhD
Carnegie Mellon University

11:10 AM 11:30 AM **Epigenetics, Asthma, and Air Pollution**
Wan-Yee Tang, PhD
University of Pittsburgh School of Public Health

11:30 AM 11:40 AM **Early Career Presentation #5**

11:40 AM 12:00 PM **PANEL DISCUSSION**

12:00 PM 1:00 PM **Lunch**
(BUFFET PROVIDED, GOLD ROOM, SECOND FLOOR)

12:30 PM 1:25 PM **Poster Session**
(BALLROOM A, FIRST FLOOR)

PANEL SESSION:

FROM LAB COATS TO LEADERSHIP: CULTIVATING TOMORROW'S PHYSICIAN SCIENTISTS

Moderators: Divay Chandra, MD, MSc; University of Pittsburgh
Georgios Kitsios MD, PhD; University of Pittsburgh
Mark Snyder MD; University of Pittsburgh
Eleanor Valenzi MD; University of Pittsburgh

1:25 PM 1:30 PM **Introduction**

1:30 PM 2:30 PM **PANEL DISCUSSION**
-Jason Christie, MD, MSCE; University of Pennsylvania
-Nadia Hansel, MD, MPH; Johns Hopkins
-Bruce Levy, MD; Brigham and Women's Hospital
-Alison Morris, MD, MS; University of Pittsburgh

2:30 PM 2:45 PM **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)

SESSION 6: THE ROLE OF SOCIAL DETERMINANTS OF HEALTH IN LUNG DISEASE

Session Chairs: Daniel Kass, MD; University of Pittsburgh
Seyed M. Nouraei, MD, PhD; University of Pittsburgh
Sanjay R. Patel, MD, MS; University of Pittsburgh
Mohamed Seedahmed, MD, MPH; University of Pittsburgh

2:45 PM 2:50 PM **Session Chair Introduction**

2:50 PM 3:10 PM **Social Determinants of Chronic Disease**
Tiffany Gary-Webb, PhD, MHS
University of Pittsburgh

3:10 PM	3:30 PM	Race and PFTS: How Should We Adjust? <i>Meredith McCormack, MD</i> <i>Johns Hopkins Bloomberg School of Public Health</i>
3:30 PM	3:50 PM	From Genes to Geography: The Multi-faceted Role of Ethnicity in Asthma and COPD <i>Juan Celedón, MD, DrPH</i> <i>University of Pittsburgh School of Medicine</i>
3:50 PM	4:10 PM	Neighborhood Deprivation and Interstitial Lung Disease <i>Gillian Goobie, MD, PhD</i> <i>The University of British Columbia</i>
4:10 PM	4:20 PM	Early Career Presentation #6
4:20 PM	4:40 PM	PANEL DISCUSSION
4:40 PM	4:50 PM	Abstract Awards <i>Announcer:</i>
4:50 PM	5:00 PM	Summary and Final Announcements
	5:00 PM	Adjournment