



# Partnerships for Environmental Public Health

## PEPH 2020: Past, Present, and Future

**February 12-13, 2020**

Durham Convention Center  
301 West Morgan St., Durham, NC 27701

### Agenda

#### Wednesday, February 12, 2020

<b>8:00 a.m.</b>	<b>Registration</b>	<i>Jr. Ballroom C Foyer</i>
<b>9:00 a.m.</b>	<b>Pre-Meeting Workshops – Round 1</b>	
	• Low-Cost, High Reward: Community-Based Air Quality Monitoring for Environmental Justice (Archer and Wilson) <i>Topic: Air Sensors</i>	<i>Jr. Ballroom D3</i>
	• Vaping Materials, Resources, and Communication (Backus, et al.) <i>Topic: Vaping</i>	<i>Meeting Room 4</i>
	• Using Interactive Maps to Make Invisible Air Pollution Visible for Community Residents (Wong) <i>Topic: Mapping</i>	<i>Meeting Rooms 1/2</i>
	• Assessing and Strengthening Environmental Health Literacy: Approaches From the Field (Hoover and Gray) <i>Topic: EHL</i>	<i>Jr. Ballroom C</i>
	• Youth Engagement in Environmental Citizen Science and Advocacy Training in Rural and Urban Areas (Hahn, et al.) <i>Topic: Youth CitSci</i>	<i>Meeting Room 3</i>
<b>10:15 a.m.</b>	<b>Break</b>	
<b>10:45 a.m.</b>	<b>Pre-Meeting Workshops – Round 2</b>	
	• Translating Sensor Air Pollution and Health Data to Action with Communities, Youth, and Health Care (Roy and Craft) <i>Topic: Air Sensors</i>	<i>Meeting Room 3</i>
	• Building Educators' Capacity to Explore the Health Effects of E-cigarettes With K-12 Students (Haine and Hayward) <i>Topic: Vaping</i>	<i>Meeting Room 4</i>
	• Using Maps to Introduce Environment and Health Data to Youth (Chang and Morton) <i>Topic: Mapping</i>	<i>Jr. Ballroom D3</i>
	• Social Media: An Important Tool for Environmental Public Health Outreach and Engagement (Koester, et al.) <i>Topic: Social Media</i>	<i>Jr. Ballroom C</i>
	• Natural Disaster Response and Recovery as an Environmental Justice Issue (Hughes and Beard) <i>Topic: DR and EJ</i>	<i>Meeting Rooms 1/2</i>

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<b>Noon</b>	<b>Lunch on your own</b>	
<b>1:00 p.m.</b>	<b>PEPH2020 Opening Session</b> <ul style="list-style-type: none"><li>• J. Patrick Mastin, Ph.D., Acting Division Director, Division of Extramural Research and Training (DERT), NIEHS</li><li>• Rick Woychik, Ph.D., Acting Director, NIEHS and NTP</li><li>• Liam O'Fallon, PEPH Coordinator, NIEHS</li><li>• Gwen Collman, Ph.D., Acting Deputy Director, NIEHS</li></ul>	<i>Jr. Ballroom C</i>
<b>2:00 p.m.</b>	<b>Session 1: Research</b> <p><i>Moderators: Beverly Watkins, Ph.D., New York University and Robin Fuchs-Young, Ph.D., Texas A&amp;M University</i></p> <p>In this opening panel presentation, speakers will set the stage for the variety of research related to the PEPH vision. They will touch upon the importance of community-engaged research approaches to address local concerns and ensure relevant research. They will highlight the value of research to understand and address environmental health disparities. They will touch upon the need for exposure science and the use of new tools and approaches to fully understand what community residents are being exposed to and what it means for their health. Each presenter will briefly discuss the state of the science and posit some ideas, questions, and/or opportunities to stimulate ideas for the breakout sessions.</p> <ul style="list-style-type: none"><li>• Robin Fuchs-Young, Ph.D., Texas A&amp;M University <i>Topic: Environmental Health Disparities</i></li><li>• Erin Haynes, DrPH, University of Kentucky <i>Topic: Technology</i></li><li>• Jane Hoppin, Sc.D., North Carolina State University <i>Topic: Exposure Science</i></li><li>• Beverly Watkins, Ph.D., New York University <i>Topic: Community Engaged Research</i></li></ul>	<i>Jr. Ballroom C</i>
<b>2:30 p.m.</b>	<b>Listening Session With Dr. Woychik</b> <p>During this listening session, participants are invited to share ideas with Dr. Woychik to inform the next year or so of his tenure as Acting Director of NIEHS.</p>	<i>Jr. Ballroom C</i>
<b>3:00 p.m.</b>	<b>Break and transition to breakout rooms</b>	
<b>3:30 p.m.</b>	<b>Breakout Sessions</b> <p>The purpose of the breakout is to discuss research opportunities and gaps that can be addressed through the PEPH Network. While such recommendations will be grounded in research being done by participants in the room, the goal is for each breakout to make recommendations that NIEHS can use to inform the PEPH 2030 vision.</p> <ul style="list-style-type: none"><li>• Environmental Health Disparities</li><li>• Technology (Monitoring Devices and GIS)</li><li>• Exposure Science (Air, Land, and Water)</li><li>• Community Engaged Research (including CBPR)</li></ul>	<i>Jr. Ballroom D3</i> <i>Meeting Rooms 1/2</i> <i>Meeting Rooms 3/4</i> <i>Jr. Ballroom C</i>

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## 4:15 p.m. Poster Session and Sensor Fair

- Posters 1-28
- Posters 29-54
- Sensors

Jr. Ballroom B  
Jr. Ballrooms D1/D2  
Foyer

## 5:45 p.m. Adjourn for the day

## 6:00 p.m. Walking Tour of Durham (30 minutes)

Meet at front door of the Marriott

## Thursday, February 13, 2020

## 7:30 a.m. Registration

Jr. Ballroom C Foyer

## 8:30 a.m. Session 2: Communication

*Moderators: Brenda Koester, University of Illinois at Urbana-Champaign and Judith Zelikoff, Ph.D., NYU School of Medicine*

In the Session 2 panel presentation, speakers will discuss and highlight PEPH-related communication efforts. They will touch upon new communication topics that were either not around when PEPH was established or were just in their developmental stages, noting how we have advanced in those areas. They will also emphasize the importance of using culturally appropriate communication approaches to ensure the greatest public health impact. In addition to describing the state of the science, the presenters will offer new ideas, questions, and/or opportunities to stimulate ideas for the breakout sessions.

- Katie Boronow, Silent Spring Institute  
*Topic: Reporting Back*
- Matthew Dellinger, Ph.D., Medical College of Wisconsin  
*Topic: Culturally Appropriate Messaging*
- Kathleen Gray, Ph.D., University of North Carolina at Chapel Hill  
*Topic: Environmental Health Literacy*
- Brenda Koester, University of Illinois at Urbana-Champaign  
*Topic: Social Media and Emerging Approaches*

Jr. Ballroom C

## 9:00 a.m. Transition to breakout rooms

## 9:15 a.m. Breakout Sessions

The purpose of the breakout is to discuss communication opportunities and gaps that can be addressed through the PEPH Network. While such recommendations will be grounded in communication efforts being done by participants in the room, the goal is for each breakout to make recommendations that NIEHS can use to inform the PEPH 2030 vision.

- Reporting Back
- Culturally Appropriate Messaging
- Environmental Health Literacy
- Social Media and Emerging Approaches

Jr. Ballroom C  
Jr. Ballroom D3  
Meeting Rooms 1/2  
Meeting Rooms 3/4

## 10:00 a.m. Break

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## 10:30 a.m. **Session 3: Capacity Building**

*Jr. Ballroom C*

*Moderators: Benjamin Richmond, University of Arizona; Kathleen Vandiver, Ph.D., Massachusetts Institute of Technology; and Aubrey Thompson, University of California, Davis*

In this panel presentation, speakers will describe the importance of capacity building for all partners in community-engaged research projects and programs. The panelists will touch upon different audiences and aspects of capacity building including community-based organizations, health care professionals, educators, and academics. Prior to the establishment of PEPH, there has been a recognized need for partners to possess the right skills to work together, and while we have made important strides, gaps remain. After briefly discussing the state of the science, the presenters will offer new ideas, questions, and/or opportunities to stimulate ideas for the breakout sessions.

- Dana Haine, University of North Carolina at Chapel Hill  
*Topic: STEM Education*
- Nicholas Newman, DO, University of Cincinnati/Cincinnati Children's  
*Topic: Environmental Health in the Health Care Curriculum*
- Jamie San Andres, Make the Road New York  
*Topic: Organizational Capacity*
- Sacoby Wilson, Ph.D., University of Maryland  
*Topic: Individual Partner Capacity*

## 11:00 a.m. **Transition to breakout rooms**

## 11:15 a.m. **Breakout Sessions**

The purpose of the breakout is to discuss capacity-building opportunities and gaps that can be addressed through the PEPH Network. While such recommendations will be grounded in capacity-building efforts (such as education and training) being done by participants in the room, the goal is for each breakout to make recommendations that NIEHS can use to inform the PEPH 2030 vision.

- STEM Education
- Environmental Health in the Health Care Curriculum
- Organizational Capacity
- Individual Partner Capacity

*Meeting Rooms 1/2*

*Jr. Ballroom D3*

*Jr. Ballroom C*

*Meeting Rooms 3/4*

## Noon **Lunch on your own**

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1:30 p.m.

## Session 4: Evaluation

Jr. Ballroom C

*Moderators: Kristi Pettibone, Ph.D., NIEHS and Yoshira Ornelas Van Horne, Ph.D., University of Southern California*

In this panel discussion, panelists will respond to questions posed by the moderators. A key opportunity identified by the extramural community in 2008 was the need for metrics to evaluate the success of community engagement work. Since that time, the PEPH network has contributed to the development and promotion of an evaluation metrics manual, as well as the advancement of more robust evaluation efforts in NIEHS-funded projects. The panelists will discuss successes and challenges of evaluation and offer recommendations for evaluation in the future.

- Diana Hernandez, Ph.D., Columbia University
- Joseph Hoover, Ph.D., Montana State University Billings
- Erin Lebow-Skelley, Emory University
- Esther Min, University of Washington
- Tommy Rock, Ph.D., Navajo Nation

2:15 p.m.

## Rapid Rotation Discussion

In this 45-minute rapid rotation discussion, participants are invited to move around the room to a series of flip charts that address a range of evaluation topics, as well as visit the PEPH Timeline board. The purpose of these rapid rotations is to collect ideas and participant responses on a variety of topics to inform the PEPH 2030 vision in the context of evaluation. During this time, there will also be a brief training for attendees who would like a primer on metric development and logic modeling (in Meeting Rooms 3/4).

Flip chart questions will include:

- What are new areas that need metrics?
- What tools or trainings should we develop moving forward?
- How will you incorporate social media into your evaluation efforts?
- What ideas do you have for evaluating translational research activities?
- What other resources or services can NIEHS provide?
- How do you evaluate your data science efforts? Have you and how have you done any assessment of application of FAIR principles?
- How do we facilitate sharing of evaluation practices and findings among grantees?
- Do you have proposed additions to the PEPH Metrics Manual?
- How do you incorporate findings into program improvement?
- How do you incorporate evaluations and evaluators into the program planning process early on? What benefits have you seen from doing this?
- What kinds of activities are evaluated at your program (could help inform future efforts to come up with tools and resources that grantees might need)?  
What kinds of activities might be evaluated in the next 10 years?

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**3:00 p.m.**      **Break**

**3:15 p.m.**      **Session 5: Future – PEPH2030**

*Moderator: Liam O'Fallon, NIEHS*

The purpose of this final session is to begin pulling together the ideas about PEPH 2030. In the context of the recent Translational Research Framework developed by NIEHS staff, the panelists represent some of the intended audiences that benefit from the research and research translation coming out of NIEHS-funded projects that are a part of the PEPH network. In the first 45 minutes, the panelists will share their ideas about needs and opportunities for their audience.

- Doug Farquhar, J.D., National Conference of State Legislatures
- Maida Galvez, M.D., Icahn School of Medicine at Mount Sinai
- Virginia Guidry, Ph.D., North Carolina Department of Health and Human Services

**4:00 p.m.**      **Reporting Back Recommendations**

In the final 45-minutes, we will hear from all the session moderators about the key recommendations that emerged from the breakout sessions. In addition to hearing about them, there will be time for audience engagement and prioritization.

**4:45 p.m.**      **Summary**

- Claudia Thompson, Ph.D., NIEHS

**5:00 p.m.**      **Adjourn**