

## Environmental Health Disparities

**Date: September 28, 2012**

**Time: 1:00-2:30 p.m. EDT**

Please register at: [http://bit.ly/PEPH\\_EHD](http://bit.ly/PEPH_EHD)

(registration required)

**Description:** Racial and ethnic minority populations, low socioeconomic status populations, and rural and inner-city populations are disproportionately burdened by many diseases and conditions, resulting in health disparities. According to Healthy People 2020, a health disparity is “a particular type of health difference that is closely linked with social, economic, and/or environmental disadvantage.” Expanding this definition, environmental health disparities is the **unique contribution of the environment to health differences**. In this webinar, presenters will highlight projects that have employed community-engaged research approaches to address environmental health disparities. In addition, they will address the importance of capacity building for all research partners.

**“Community Mapping of Environmental Hazards and Barriers in an Immigrant Population”** – Peggy Reynolds, Ph.D., and Thu Quach, Ph.D., Cancer Prevention Institute of California



Peggy  
Reynolds



Thu Quach

In this presentation, the speakers will describe the community-based participatory research (CBPR) process they used in their study of neighborhood-level environmental hazards in Vietnamese communities in California. They will discuss their mixed-methods approach, which included focus groups and a quantitative and qualitative community audit. The audit included a survey to collect observational neighborhood characteristics data; photovoice documentary; and the wearing of a personal, real-time black carbon aerosol monitor. The speakers will present some of the descriptive findings from the audits. In describing community engagement in environmental research, Reynolds and Quach will emphasize leadership development, co-learning, shared ownership of data, and social change.

**“Exposure Gradients and Local Effects: Examining the Effect of Air Pollution on Cardiovascular Outcomes in Diverse, Near-Highway Populations”** – Wig Zamore, Somerville Transportation Equity Partnership and Christina H. Fuller, Sc.D., Georgia State University



Wig Zamore



Christina  
Fuller

This presentation will discuss how an omnipresent mixture like transportation-related air pollution can vary spatially and result in differences in population exposure. The presenters will give an overview of the Community Assessment of Freeway Exposure and Health study, a CBPR study of ultrafine particles and biomarkers of cardiovascular disease. The presentation will discuss (1) the community origins of — and contributions to — the study, (2) what is known about transportation emissions and cardiovascular health, (3) how detailed participant information can elucidate variations in exposure and the degree of environmental health disparities, and (4) preliminary results.



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### PEPH Webinar Series

The Partnerships for Environmental Public Health (PEPH) Program established the PEPH Webinar series to promote interactions among PEPH grantees and to increase awareness of common issues and approaches. The webinars facilitate consideration of emerging issues. While the primary audience is grantees within the PEPH network, anyone interested in environmental public health is welcome to register.

If you have any questions about this webinar or future webinars, please contact Liam O’Fallon ([ofallon@niehs.nih.gov](mailto:ofallon@niehs.nih.gov), 919-541-7733).

Individuals with disabilities who need accommodation to participate in this event should contact Liam O’Fallon ([ofallon@niehs.nih.gov](mailto:ofallon@niehs.nih.gov), 919-541-7733). TTY users should contact the Federal TTY Relay Service at 800-877-8339. Requests should be made at least 5 business days in advance of the event.

### Upcoming Webinar Topics:

- Children’s Environmental Health (October)

