



# EMERGING SCIENCE FOR ENVIRONMENTAL HEALTH DECISIONS

## AGENDA

### Personal Environmental Exposure Measurements: Making Sense and Making Use of Emerging Capabilities

**NOVEMBER 16–17, 2016 ■ WEDNESDAY, 9:00–5:05, THURSDAY, 9:00–12:15**  
**THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE**  
**KECK CENTER, 500 FIFTH STREET NW, ROOM 100, WASHINGTON, DC**

**THIS WORKSHOP WILL BE WEBCAST**

Advances in personal sensor technologies and increased access to personal biological testing and public web-based information such as pooled community-level data, among other emerging capabilities, increasingly enable people and communities to gather and use data about their own environmental exposures. These trends are enhanced by the growing value that society places on open and transparent data and research. The increased availability and access to personal environmental exposure data raises a wide range of questions about why and how lay publics assess the information they collect to inform personal decisions about their health. Such questions include: What motivates someone to gather their own environmental exposure data? How do these data inform their personal decisions? What are the implications of data gathered in this manner for risk communication and engagement practices of the science community? Do government, academic, or commercial research institutions that provide public access to these new technologies and

capabilities have a responsibility to communicate and engage with individuals or communities about the implications of their data and any potential risks?

**ON NOVEMBER 16–17, 2016**, the Standing Committee on Emerging Science for Environmental Health Decisions will convene a 2-day workshop to explore the nuanced implications of citizen access to individual-level environmental exposure data. The workshop will bring together environmental health researchers, social scientists, business and consumer representatives, and science policy experts, and other professionals at the forefront of emerging technologies, ethics, science communication, and public engagement. Workshop participants will provide an overview of the trends, tests, technologies, and other emerging capabilities that enable access to individual-level environmental exposure data, and discuss their implications for risk communication, public engagement, and decision making, and key considerations for both scientists and citizens.

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**ORGANIZING COMMITTEE:** David Ewing Duncan (freelance science writer), Gary Miller (Emory University), Melissa Perry (George Washington University), Andrew Maynard (Arizona State University), Kimberly Thigpen Tart (National Institute of Environmental Health Sciences), Lindsay Stanek (Environmental Protection Agency), Sara Yeo (University of Utah)

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