



32nd Annual Conference of the International Society for Environmental Epidemiology



Advancing Environmental Health in a Changing World



**ISEE
2020**
August 24-27, 2020

Lianne Sheppard

**University of Washington, Environmental and Occupational Health Sciences,
United States**

Lianne Sheppard, Ph.D. is Professor of Biostatistics and of Environmental and Occupational Health Sciences at the University of Washington (UW) Seattle. Her work focuses on understanding the health effects of environmental and occupational exposures, with an emphasis on air-pollution; including study design, measurement error, exposure modelling, and estimation of environmental exposure effects with application to a wide range of health outcomes. Her current research focuses on the role of air pollution exposure in dementia incidence and cognitive decline as well as the related methodological challenges. At UW, she teaches a course on research integrity focused on the collection, analysis and interpretation of data and directs a NIEHS-funded pre- and post-doctoral training grant focused on quantitative methods in the environmental health sciences as well as an undergraduate research experience program to enhance diversity. In 2019, she received the Outstanding Faculty Mentor Award in the UW Department of Environmental and Occupational Health Sciences in recognition for her personal integrity, principled approach to science, and strong mentorship for graduate students. She is a fellow of the American Statistical Association.

Dr. Sheppard's professional service has leveraged her expertise in environmental and air pollution epidemiology. She completed two terms as member of the Health Effects Institute Review Committee. She was a member of EPA's chartered Clean Air Scientific Advisory Committee (CASAC) between 2015 and 2018 and has served on multiple CASAC panels, including the non-EPA Independent Particulate Matter Review Panel, which convened after EPA disbanded its Particulate Matter Review Panel in 2018. She has also served on multiple EPA Integrated Risk Information System panels



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and more recently on a Toxic Substances Control Act panel. In 2016, she joined the EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel for the evaluation of the carcinogenic potential of glyphosate. Motivated by this FIFRA service, Dr. Sheppard published several papers on glyphosate; because of the response in the popular press, she was compelled to counter an attack on her integrity in a Forbes commentary. In 2018, Dr. Sheppard joined the Union of Concerned Scientists in a lawsuit against the EPA in response to its Directive disallowing academic scientists with EPA grants from serving on EPA science advisory committees. Due to this and related lawsuits, in June 2020 EPA declared it will no longer prohibit EPA grantees from this service.

Extra material links:

- Blog posts featuring Dr. Sheppard
 - [Standing up for Science](#)
 - [Leading by example](#)
- Forbes editorial: [Glyphosate Science Is Nuanced. Arguments About It on the Internet? Not So Much](#)
- Independent Particulate Matter Review Panel (IPMRP) Information
 - [Panel Information website](#)
 - UCS blog posts: [About the IPMRP](#) and [a summary of its findings](#)
 - [IPMRP commentary in NEJM](#) about the proposed PM_{2.5} standard
- Blog post on the lawsuit: [Court Hears Challenge to EPA Science Advice Ban](#)