Environmental health science is broadly the study of how human health is influenced by their environment and encompasses many disciplines. In addition to understanding how the environment results in human health issues, the study of environmental health lends itself naturally to solutions. The forms that these solutions take range across disciplines from engineering and basic science to economics and epidemiology.

This seminar discusses a few environmental health problems that have spanned my career in several vignettes: How does a household air pollution intervention mitigate vector-borne disease and climate change? How can engineering and epidemiology serve a community organized against a polluting company? Is the biomarker that we measure in blood a cause of disease or an outcome? And, finally, who is at the center of our solutions?