Abstract

The health burdens of legacy contaminants, and the continuing global health burdens of current pollution, are crippling both global health and well-being. Much of the exposure science on these relatively well-known pollutants is known, as is the general toxicity of past pollutants. Much is still not known about pollutants in mixtures, and we are a long way from identifying the myriad exposure sources, constraining the processes of exposure, and mapping out pathways to limit exposure. This presentation addresses these shortcomings by taking a multi-sphere approach, including analyzing critical exposure pathways in soil and dust and assessing the relative impacts from exposure to these. A focus of this will also be analysis of exposure inequity and social structure to highlight that not all populations respond similarly to exposure potential, and that some populations are indeed inordinately burdened by contamination.

Host: Dr. Ellen Wells