Abstract:

Coming into public health research field from a combined background of chemistry, environmental engineering and environmental sciences, where she studied how chemicals were distributed, transported and transformed in the environment, Dr. Liu has a strong interest in how human health is affected by exposure to toxic chemicals and how to control this exposure to mitigate public health risks. In this seminar, we will focus on exposure assessment methods used in our recent studies to discuss how exposure assessment contributes to a better understanding of exposure-disease relationship and informs public health decision making and policy changes. We will also discuss the challenges we face in assessing exposures for occupational and environmental health studies and how to improve exposure assessment.