

COLLOQUIUM BY MENG WANG

ADVANCED ENVIRONMENTAL EXPOSURE MODELING FOR EPIDEMIOLOGICAL STUDIES

TIME: 11:00AM-12:00PM, WEDNESDAY, 10 MAY 2017

VENUE: ACADEMIC BUILDING 1079

Advanced Environmental Exposure Modeling for Epidemiological Studies

Speaker: Dr. Meng Wang, postdoctoral research fellow in University of Washington



* The event is also a **faculty recruitment seminar for Global Health Program.**

ABSTRAT:

Land use regression (LUR) modeling is one of the most popular approaches to characterize environmental exposure and health effects in environmental epidemiology. Recently, the evolution of LUR modeling techniques is moving towards finer spatiotemporal resolution, larger geographical scale and better prediction ability for large population-based epidemiological studies. This presentation will focus on the promises and challenges of LUR model, new techniques in LUR model development and evaluation, and related health effects of air pollution. The practical implementation of LUR models in two large epidemiological studies in Europe and the United States will also be presented.

BIO:

Dr. Meng Wang is currently a postdoctoral research fellow in University of Washington, and has (co-)authored more than 40 peer-reviewed papers. His main scientific research focuses on the assessment of exposure and human health impacts from air pollution, with specific interests in high quality exposure modeling and chronic respiratory and cardiovascular diseases. To date, he has participated in several large air pollution and epidemiological projects in the United States, Europe and China.

This event is open to all and entry is on a first come, first served basis. For any queries email yg73@duke.edu or call 3665 7149.