GIS-Based Assessment of Social and Environmental Exposures for Large Cohorts and Clinical Trials

Jane Ellen Clougherty, ScD
Assistant Professor/ Director of Exposure Science
University of Pittsburgh

Thursday, December 19th, 2013
12:00 PM to 1:00 PM
UPMC Shadyside
Hillman Cancer Center
Cooper Classroom C

Light lunch provided.
Please contact Dolores Oliver (oliverdo@upmc.edu) if you plan to attend, need directions, or need more information.

BRAIN, BEHAVIOR, AND CANCER Seminar Series
Sponsored by
The Biobehavioral Medicine in Oncology Program
University of Pittsburgh Cancer Institute

Abstract: Fine particulate air pollution has been associated with respiratory, cardiovascular, and cancer outcomes, and recent epidemiologic and toxicologic evidence indicates that chronic social stress may modify susceptibility to pollution exposures. Dr. Clougherty will review recent evidence on social-environmental interactions in chronic disease, and describe GIS (Geographic Information Systems)-based methods for quantifying exposures to social and environmental exposures, including urban air pollution and social stressors. Finally, she will discuss the application of GIS-based social and environmental exposure metrics in clinical trials for asthma and other chronic disease outcomes, to investigate the differential efficacy of treatments by underlying chronic exposures.

The Cooper Classrooms are located on the ground level of the Hillman Cancer Center, 5115 Centre Avenue, Shadyside. After entering the building walk to the left past the elevators. Facing the gift shop turn right down the hallway. Room C is the 3rd door in the lobby area on the left.

Parking is available in the garage at the UPMC Cancer Pavilion across the street from the Hillman Cancer Center (~$6 cash/credit for 1-2 hours). There are also parking meters along Centre Avenue, Cypress Street and Baum Boulevard in the blocks surrounding the Cancer Center. The 71A & 71C both travel from Oakland and stop at Cypress Street just beyond the Cancer Center entrance. UPMC shuttles also run between Oakland and Shadyside (http://www.nursing.pitt.edu/elite/docs/Shuttle%20Bus%20Service%20at%20School%20of%20Nursing.pdf).