CIHR **STAGE**

Strategic Training for Advanced Genetic Epidemiology

Dr. Terri H. Beaty

Professor and Deputy Chair
Department of Epidemiology
Bloomberg School of Public Health
Johns Hopkins University

Impact of Study Design in Genome Wide Association Studies

Friday
May 6, 2011
12:00–1:00 p.m.

The Hospital for Sick Children
CDIU Multimedia Theatre
Room 4132, 4th Floor, Elm Elevators
555 University Avenue, Toronto, ON

Terri H. Beaty, PhD, is professor and deputy chair in the Department of Epidemiology in the Bloomberg School of Public Health at Johns Hopkins University. She holds a PhD in Human Genetics from the University of Michigan. Over her career Dr. Beaty has been interested in developing and implementing statistical methods to identify genetic factors contributing to the etiology of complex diseases, where both genes and environmental risk factors control risk. This scientific work falls into the field of genetic epidemiology, and draws on both the tools of statistical genetics and the study designs of epidemiology. Dr. Beaty has worked on a wide variety of disease topics (pulmonary disease, asthma, diabetes, cancer), but has a long-standing interest in birth defects, particularly oral clefts (the most common form of craniofacial malformation in humans). She has also recently developed a research interest in methods to detect genes controlling risk to infectious and parasitic diseases. Dr. Beaty will use examples from an international consortium to illustrate how complex and heterogeneous disorders can be approached in genome wide studies of association.

Housed at the University of Toronto Dalla Lana School of Public Health, CIHR **STAGE** is a training program in genetic epidemiology and statistical genetics funded by the Canadian Institutes of Health Research through the Strategic Training Initiative in Health Research program. Seminars are sponsored by The Hospital for Sick Children, the Samuel Lunenfeld Research Institute of Mount Sinai Hospital, the Ontario Institute for Cancer Research, the Department of Statistics of the University of Toronto, the Ontario Cancer Institute of the University Health Network, and the CIHR Institute of Genetics.

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