



Dr. Veronica J. Vieland

Vice President for Computational Research
Battelle Chair in Quantitative and Computational
Biology; Director, Battelle Center for
Mathematical Medicine, The Research Institute
at Nationwide Children's Hospital; Professor of
Pediatrics and Professor of Statistics

The Ohio State University

Calibration of Statistical Evidence using Principles of Thermodynamics

Friday, April 13, 2012
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

Dr. Vieland is a statistical geneticist with more than 20 years of experience in human genetics. The primary focus of her research is the rigorous measurement of statistical evidence in biomedical applications. She is the developer of the PPL framework, a novel class of statistical methods for measuring evidence in gene mapping/gene identification studies and for characterizing the genetic architecture of complex human genetic disorders. She has published widely on statistical genetic methodology, on computational methods in support of new methodology, and on applications to human diseases, particularly but not exclusively psychiatric disorders. She is the Director of the Battelle Center for Mathematical Medicine, which houses investigators from multiple quantitative and computational backgrounds as well as a state-of-the-art parallel computing facility and a staff of dedicated MS-level computer scientists. Over the course of her career she has held multiple NIH grants, including two Career Development Awards in addition to numerous R01s.

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.

SEMINAR
International Speaker