



## Dr. Colin Begg

Member, Memorial Sloan-Kettering  
Cancer Center

# Seminars

## International Speaker

### Distinguishing Second Primary Cancers From Metastases: Statistical Challenges in Testing Clonal Relatedness of Tumors

**Friday**  
**February 4, 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

Colin Begg, PhD, is the incumbent of the Eugene W. Kettering Chair at Memorial Sloan-Kettering Cancer Center in New York, where he also serves as Chair of the Department of Epidemiology & Biostatistics, and Head of the Prevention Control and Population Research Program. Previously he was on the faculty at Harvard School of Public Health for 12 years, and at the State University of New York at Buffalo. He holds a PhD from the University of Glasgow, UK. Over his career Dr. Begg has been interested in statistical methods that support the broad array of disciplines used in cancer research. He has developed many methods relevant for studies in the areas of clinical trials, cancer epidemiology, the assessment of diagnostic tests, health services research and meta-analysis. His work has also involved numerous collaborations with investigators conducting cancer research studies in these fields. In recent years he has been pursuing the idea that cancer risk can be uniquely informed by studying patients with multiple primary malignancies. This work has included the development of efficient designs for case-control studies, methods relevant for cancer risk prediction in carriers of major cancer genes, and models for estimating the distinct cancer risks of rare individual variants within these genes. In related work he has been investigating statistical methods for distinguishing second cancers from metastases using genetic profiling of the tumors.

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.

