



Department of Mathematics and Statistics  
St. John's, NL Canada A1C 5S7  
Tel: (709) 864-8783 Fax: (709) 864-3010

# *Colloquium Announcement*

## **Candidate for Tenure-Track Position in Statistics**

Speaker: Dr. Juli Atherton  
Affiliation: Department of Epidemiology, Biostatistics and Occupational Health,  
McGill University  
Date: Friday, November 4, 2011  
Time: 11:00 a.m.  
Room: SN-2018

Title: Optimal design for clinical trials with an unknown delay in treatment effect

Abstract: In clinical trials, if there is an unknown delay before a treatment takes effect or if the treatment does not take effect, the subject specific times-to-effect can be viewed as the unknown change-points in a multipath change-point setting. Once the data are collected, i) they may be used to estimate the size of each treatment effect, and ii) to estimate the proportion of subjects that will experience a treatment effect. By introducing a design measure, we consider, optimal design for multipath change-point problems, focusing on problems motivated by i) and ii) above.

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**Teaching Demonstration: Thursday, November 3, 2011 @ 11:00 a.m. in HH-3026**