

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

Colloquium Announcement

Speaker:	Dr. Juli Atherton
Affiliation:	McGill University
Date:	Friday, November 4, 2011
Time:	11:00 a.m.
Room:	SN-2018
Date: Time: Room:	Friday, November 4, 201 11:00 a.m. 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.