DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

<u>Departmental Seminar</u>

Professor Robert MAKUCH

Department of Biostatistics
Yale School of Public Health
USA

will give a talk
entitled

TREATMENT EFFECTS ASSESSMENT IN MULTI-REGIONAL CLINICAL TRIALS (MRCTs) USING BAYESIAN METHODS

Abstract

Multi-regional clinical trials (MRCTs) help to synchronize drug development globally, whereby the time lag in marketing authorization among different countries is minimized. However, there are statistical concerns associated with analysis and interpretation of MRCTs. The results of certain countries/ regions could vary significantly from the overall results. In this case, controversy exists regarding the extent to which country-specific result should be minimized/ ignored and medical scientists / regulators should defer to the overall global treatment effect. Rather than analyzing data separately in each region, our discussion today focusses on developing a Bayesian framework for assessing heterogeneity of regional treatment effects that leverages data collected in other regions. The goal is to make scientifically valid judgements about the play of chance versus real regional differences when comparing results to the overall trial outcome.

on

Tuesday, June 18, 2019

(Refreshments will be served from 2:15 p.m. <u>outside Room 301 Run Run Shaw Building</u>)

2:30 p.m. – 3:30 p.m.

at

Room 301, Run Run Shaw Building

<u>Visitors Please Note</u> that the University has limited parking space. If you are driving please call the Department at 3917 2466 for parking arrangement.

All interested are welcome