Kohinoor Dasgupta

Senior Biostatistician at Novartis

will give a talk on

Bayesian Dose Escalation in Phase I Oncology Trials

This presentation provides an overview of Bayesian dose-escalation procedures for phase I clinical trials and describes a systematic approach to their implementation. The methodology focuses on studies in which each patient is administered a single dose of an experimental drug and provides a single binary response, referred to as toxic or non-toxic. It is assumed that the probability of toxicity increases with dose of drug according to a logistic regression model.

Possible safety concerns and stopping rules are described. Under this scenario, the recommended doses for the different cohort of subjects can be determined. Once their responses become available, subjective distributions can be updated, and the recommended doses for the second cohort can be determined. The procedure is repeated until a stopping rule is reached, or until some maximum number of subjects has been observed.

1:00 PM - 2:00 PM
Thursday, May 2nd, 2013
Location: 411 West Hall

Refreshments will be provided. Please sign up at:

http://www-personal.umich.edu/~yzhanghf/signup.htm

For questions please contact canle@umich.edu, mjing@umich.edu or yzhanghf@umich.edu.