DIVISION OF STATISTICS
NORTHERN ILLINOIS UNIVERSITY

Colloquium

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TITLE: Statistics in Pharmaceutical Science
DATE: Friday September 13, 2013
TIME: 2:00 p.m.
PLACE: DUSABLE HALL 212
COFFEE: Following the talk, in DU 359

Abstract

In pharmaceutical industry, the statistical research/analysis is a major key to drug application and approval. This presentation addresses two quantitative aspects of pharmaceutical science. In part 1, we introduce a few applications of mathematics to pharmacology, including characterizing the drug concentration and dose selection. In part 2, we demonstrate the utility of statistics in pharmaceutical science, which takes into account the differences from individual to individual, from one occasion to another, and among treatment conditions. Topics in pharmaceutical statistics will be addressed.