



Colloquium Series Seminar

DATE:

Thursday,
April 24, 2008

LOCATION:

Kresge Building
Room G2

TIME:

4:00 pm-5:00 pm

Coffee Reception at
3:45 pm

David Banks, Ph.D.

Department of Statistical Science
Duke University

will present a lecture on

***“Statistical Issues in
Metabolomics”***

Abstract:

Metabolomics is an emerging area of bioinformatics that uses measurements on metabolites in tissue samples to assess health status, evaluate drug toxicity, and learn about key biochemical pathways. The area has several advantages over proteomics and genomics, but from a statistical perspective it poses five significant problems: error modeling, signal extraction, cross-platform comparisons, inference with large p and small n , and network modeling. This talk focuses on all but the last of these.

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