

CCSU  
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 30  
2:00 – 3:00 PM  
Maria Sanford, Room 101

BIOMARKER DISCOVERY

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ABSTRACT

The presentation will outline and discuss current issues in biomarker discovery, especially multivariate approach to identification of biomarkers for genomics, proteomics, medical diagnosis and prognosis, and drug discovery. Examples of identified multivariate biomarkers as well as classification and prediction models will be included. The examples are based on genomic and proteomic data – Affymetrix GeneChip array and SELDI chip mass spectrometry data sets.

**Keywords:** *Biomarkers, Multivariate Analysis, Data Mining, Bioinformatics, Genomics, Proteomics, Differential Diagnosis, Drug Discovery, Pattern Recognition, Classification and Prediction Systems.*

**AFTERMATH:**

Refreshments will follow the colloquium at Castaneda's  
(1590 Stanley St. – across from the administration building)

***For further information:***

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