

# Statistics Seminar

**Topic:** Supervised and Unsupervised Learning with  
Microarray Data

**Speaker:** Dr. Dawn Wilkins  
Department of Computer & Information Science  
University of Mississippi

## **Abstract:**

This talk will describe how machine learning techniques are commonly used in microarray data analysis. Methods discussed will include unsupervised methods, such as hierarchical clustering, and the general approach for using supervised methods, such as neural networks, support vector machines, nearest neighbor, and others. Examples from past, present and upcoming research projects will be described.

**Date: Wednesday, APRIL 6, 2005**

**Time: 2 PM**

**Location: Hume 201**

**ALL ARE WELCOME.**

Tea/coffee/snacks will be served at 1.45 PM in the faculty lounge.