



# Announcing

A Colloquium Presentation

April 21, 2008 at 3:30 pm

Southern Hall 303

at The University of Southern Mississippi

**Speaker: Don Hong**

Department of Mathematical Science  
Middle Tennessee State University

**Title: Mathematical Applications for  
Quantitative Life Science**

**Abstract:**

Mathematics and computational science have become crucial technologies for Quantitative Life Science (QLS). The QLS study opens great opportunities for mathematical applications as well. Challenges concerning medical data processing involve dimension reduction, efficient representation and approximation of empirical functions, and biological features extraction. We will discuss some applications of mathematical tools in medical research including wavelet-based method for proteomic data analysis and biomarkers discovery.

**Further Information**

Refreshments are served from 3:20 pm until 3:30 pm in Southern Hall 303. Further details and information about this and other departmental activities is available online at [http://www.math.usm.edu/bulletin\\_board/](http://www.math.usm.edu/bulletin_board/).