

# RCBU Seminar

*Update from the Biomedical & Materials  
Multimodal Imaging Lab at  
the Rochester Institute of Technology*

*by*

*Maria Helguera, Ph.D.*

*Assistant Professor*

*Carlson Center for Imaging Science*

*Rochester Institute of Technology*

**Thursday, March 27, 2008**

**1:30 p.m. to 2:30 p.m.**

**URMC: Aud 3-6408**

**K-307** (*map attached*)

***Abstract:*** Our mission is to develop innovative ways to visualize, analyze, and characterize biological tissues and synthetic materials by means of multimodal medical imaging devices. To this effect, results will be presented on two major topics: 1) Non-destructive evaluation and characterization of layered media, specifically I'll discuss post-curing characterization of isotropic viscoelastic polyester powder coatings, and 2) Multimodal breast imaging. A novel automatic registration algorithm will be introduced, as well as a tool for fusion and visualization of multimodal images and the development of synthetic images.

*Refreshments will be served*

*Please contact Maria Randazzo at 275-9542/randazzo@bme.rochester.edu or  
Diane Dalecki at 275-7378/dalecki@bme.rochester.edu for more information*