

Bioengineering Seminar

For Term Faculty candidate

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Spectrophotometry: Principle and Applications

Spectrophotometers are instruments that emit light at one end and measure the light intensity by a photodetector at the other end. The concentration of a substance that absorbs light can be measured by placing it in the path of this light. Spectrophotometers have a wide array of applications in scientific and industrial laboratories, and are extensively used to measure substance concentrations. The presentation will briefly describe the underlying principle of spectrophotometers and delve into their applications in measuring purity and concentrations of some biological substances.

Wednesday, 3rd August, 2011

11-12 pm Room 3507

Nguyen Engineering Building

BIOGRAPHY

Dr. Tanvi Muni received her B.E. in Electronics Engineering from the University of Mumbai in India. She earned her Ph.D. in Bioengineering, majoring in Cell and Tissue Engineering from the University of Illinois at Chicago (UIC) in 2009. She completed her dissertation in Dr. Anne George's lab, where she developed novel bioengineering based cellular co-culture systems using self-assembled monolayers and microfluidic devices to study epithelial-mesenchymal interactions during tooth development. During her postdoctoral work she is focusing on the biology of various diseases like cancer and depression along with teaching in both the Bioengineering, and Electrical and Computer Engineering departments at UIC.