

CBIMMS Invited Seminar

“New Mechanisms in Photonic Transduction for Biological Sensing”

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Monday, March 22, 2004

2:00 PM

203 Teer Building

ABSTRACT

A survey of new fluorescent, photoelectrochemical, photothermal electrochemical and light scattering probes will be presented. Applications include detection for on-chip applications and intracellular diagnostics. The research of the PI is a fundamental physical chemistry perspective on the electronic transitions and electron transfer in fluorescence and competing electron transfer pathways. The biophysics of colloidal particle bioconjugates (nanoparticles) will be discussed.