



Multilayered Metal Dielectric nanoLAMPS for Highly Sensitive Multiplexed Detection of Pre-metastatic Cancer Cells

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Date: Tuesday, April 10, 2012
Time: 12:30 – 1:00 p.m. CST (10:30 – 11:00 a.m. PST)
Location: 1000 MNTL at Illinois (SSM 150 at UC Merced)

Abstract:

We fabricate a new class of nanoLAMPS based on recent theoretical designs by the Bhargava group. A variety of methods are adapted to create alternating metal and dielectric layered nanoparticles with embedded Raman reporter molecules. These reporter molecules are then subject to the intense electromagnetic field within each individual nanoparticle. Raman spectroscopy is used to characterize these electromagnetic field enhancements.

Seminar Presented by:

