



SACRAMENTO STATE

Department of Physics & Astronomy Fall 2009

Physics Colloquium Series

“Self-Assembly of Soft Systems: Research at UC Merced”

In this talk I will describe some of the soft matter research going on at UC Merced in the physics department. Soft matter is a branch of condensed matter physics, the study of the physics of materials. Soft systems are different from crystalline solids; their structures are strongly dependent on temperature, often with interesting phases other than the solid to liquid transition. Examples from everyday life include colloids, gels, liquid crystals, and most of the human body. In our group we are working on several "soft" physical systems, including self-assembly in lipid bilayers and the cell membrane, protein networks and liquid crystal materials. I will introduce some of these topics and talk about some new results from our group.

Linda Hirst

UC Merced, Department of Physics

Thursday, November 19, 2009

4:00-5:15 PM - MND 1015

Open & Free to all Students, Faculty & Public