

# SEMINAR IN PHYSICS

Friday, February 15

3:30 – 4:25

Ross 0220

Refreshments Provided!

## Next Generation Solar Cell: Solution-Based PbS Quantum Dots

Dr. Ruwang Sung  
UNC Physics

In this presentation, Dr. Sung will introduce the basic concept of Quantum Dots and applications for a new solar cell device. She will discuss a research project funded by the Department of Energy that she worked on, along with two UNC physics students, at the National Renewable Energy Laboratory in the summer of 2012. Experimental methods for improving the efficiency of solar cells and the efficiency measurement will also be covered.