

UNIVERSITY OF CONNECTICUT



**INSTITUTE OF MATERIALS SCIENCE**

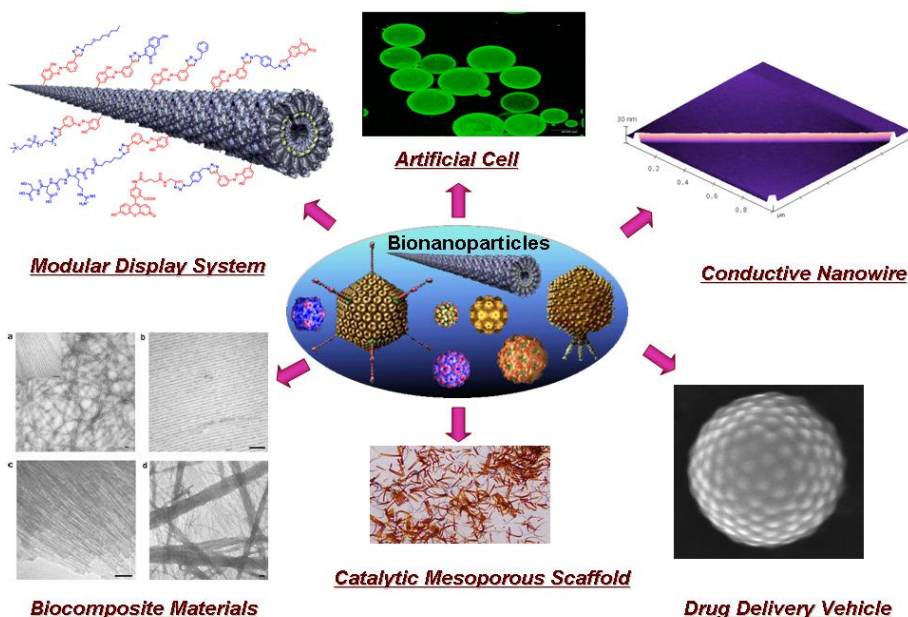
**POLYMER PROGRAM SEMINAR**

**“Co-assembly of Bionanoparticles and Polymers”**

**Prof. Qian Wang  
University of South Carolina**

**Friday, February 6, 2009  
11 AM, IMS Room 20**

Plant viruses and other biological particles can be considered as nature nanoparticles that can be tailored chemically and genetically. Compared with the inorganic nanoparticles, the uniform shape and size of bionanoparticles provide highly promising possibilities in self-assembly study for the construction of nanoscale materials with hierarchical ordering. On the basis of the surface modification with conventional bioconjugation chemistry, “click” reaction, and genetic modification, we can control the self-assembly of spherical particles and rod-like viruses with polymers to form 1D, 2D and 3D self-assemblies. These hierarchically assembled biomaterials offer a unique scaffold to investigate the drug delivery, controlled release and cell response.



\*Coffee will be served at 10:45AM outside the seminar room.

\*For further information, please contact YH Chudy at 860.486.3582 of [yhchudy@ims.uconn.edu](mailto:yhchudy@ims.uconn.edu)

