

**IFBM talks for student team reporting in the seminar on Nov. 9:**

**Peter Fratzl:** Hierarchical structure of bone-deformation, fracture, healing

**Radostina Georgieva:** Behaviour of Nanoparticles in Blood

**Mihai Barboiu:** Selection and recognition with constitutional multivalent systems

**Pavel Levkin:** Superhydrophobic –Superhydrophilic Pattern by photochemical functionalization of porous Polymer Surfaces

**Aiguo Wu :** Nanomaterials for biomedical imaging and therapy in cancer

**To Ngai:** Measuring Protein Interaction with Polymer Coatings using Total Internal Reflection Microscopy

**Michael Grunze:** Quantifying bio-adhesion of unicellular organisms

**Accompanying literature for the course: Basic Physical Chemistry of Polymers**

PHYSICAL CHEMISTRY, Ninth Edition, Peter Atkins and Julio de Paula

Intermolecular and Surface Forces, 2011 : Jacob N. Israelachvili , Academic Press, 2011

J. Lyklema: Fundamentals of Interface and Colloid Science, Academic Press, 1995

The Colloidal Domain, D.Fennell Evans, H. Wennerström, Wiley, 1999

Colloid Science: Principles, Methods and Applications, edited by Terence Cosgrove, Wiley, 2<sup>nd</sup> edition, 2010.