

**CFN Lectures Series / Ringvorlesung SS 2012**  
**Fundamental Research of Nanotechnology II:**  
**„Chemistry/Biology“ (2101421)**  
**Thursdays, 2:00 pm -3:30 pm, Hörsaal III, Flachbau Chemie**  
**(Geb. 30.41), Campus South, KIT**

19.4.2012	Introduction/ Carbon Nanotubes 1: Preparation and Properties	M. Kappes
26.4.2012	Carbon Nanotubes 2: Applications	M. Kappes
3.5.2012	From Metal Nanostructures to Metal Clusters without Ligands	O. Hampe
10.5.2012	Quantum Chemistry for nanometric Systems 1: Methods and Techniques	W. Klopper, A. Bihlmeier
24.5.2012	Quantum Chemistry for nanometric Systems 2: Selected Applications	W. Klopper, A. Bihlmeier
31.5.2012	Coordination Clusters 1: Basic Principles, oxide linked Aggregates and Molecular Nanomagnets (MNMs)	A. Powell, V. Mereacre
14.6.2012	Coordination Clusters 2: Cooperative electronic Phenomena such as Semiconductivity	A. Powell, O. Fuhr
21.6.2012	Organic Nanostructures 1: From the first Polymers to new organic Materials	S. Bräse, T. Muller
28.6.2012	Organic Nanostructures 2: Classification, Generation and Applications	S. Bräse, T. Muller
5.7.2012	Nanobiology 1: Directing Cell Behaviour using Nanostructured Surfaces	C. Franz
12.7.2012	Nanobiology 2: From Protein Structure to Function	C. Franz
19.7.2012	Double Life of double helix: DNA - more than the genetic Code Carrier	L. Fruk

**Signed: The lecturers of the CFN**