

Master Course Nanobiophysics: Applied Nanotechnology

Molecular Nanostructures

Lecturer: Dr. Rüdiger Klingeler

Where? Room D2E.32 (IFW Dresden, Helmholtzstr. 20)

When? Friday, 2. DS, 1st Lecture: 11.04.2008

Who? Students of Nanobiophysics, Physics, Nano Sciences,
Materials Science

Part of the Compulsory Introductory Module “Applied Nanotechnology” of the Master Course “Nanobiophysics”

Topics

- Size matters: new functionalities on the nanoscale
- Self-organized nanostructures
- Carbon nanostructures (Nanotubes, Fullerenes)
- Oxide nanostructures
- Molecular magnets
- Molecular electronics and optotronics
- Organic compounds and polymers

