



UFT-Symposium  
“Processes and Materials at the Nanoscale“



on Thursday, September, 03, 2015  
in the UFT lecture hall 1790

**Agenda**

- 09:00 Uhr**     **Introduction: Prof. Dr.-Ing. Jorg Thöming**  
**Nanoparticles and Biological Systems**  
**Opening (invited talk):**  
**Prof. Dr.-Ing. Kurosch Rezwan, Ceramics Group:** „Tailored multi-fluorescent silica nanoparticles for in vitro studies at single-cell-level“  
**Prof. Dr. Ralf Dringen:** „Nanoparticles and Brain Cells“  
**Prof. Dr. Juliane Filser:** „Low concentration effects of nanoparticles in soils“
- 11:00 Uhr**     **Coffee**
- 11:15 Uhr**     **Effects of Biomolecules**  
**Prof. Dr. Lucio Colombi Ciacchi:** „Conformational changes of polypeptides upon adsorption at solid/liquid interfaces - Molecular Dynamics simulations combined with Circular Dichroism experiments“  
**Prof. Dr. Stefan Stolte:** “The biomolecule corona: Consequences and challenges for a green design of nanoparticles”  
**Prof. Dr.-Ing. Jorg Thöming:** “Predicting nanoparticle stability in aqueous systems”
- 12:45 Uhr**     **„Angrillen“**
- 13:45 Uhr**     **Nanomaterials and Catalysis**  
**Prof. Dr. Marcus Bäumer:** „Catalysis with nanoporous gold“  
**Dr. Sebastian Kunz:** “Functionalization of nanoparticles with hydrophilic ligands - A novel perspective for controlling chemo- and stereo-selectivity in heterogeneous catalysis”
- 14:45 Uhr**     **Coffee**
- 15:00 Uhr**     **Science Slam**  
**Anastasia Lackmann, AG Bäumer**  
**Felix Bulcke, AG Dringen**  
**Yaqi Zhang, AG Stolte**  
**Qing Li, AG Colombi Ciacchi**  
**Olivia Roithmeier, AG Filser**  
**Jennifer Neumann, AG Thöming**
- 16:00 Uhr**     **„Abgrillen“**