

**2<sup>nd</sup> BuildMoNa Workshop for Doctoral Candidates**  
**Thursday, 8 October to Friday, 9 October 2009**

Hotel Schloss Schweinsburg, Hauptstr. 147–149,  
08459 Neukirchen/Pleiße, Europasaal

**Agenda**

**Thursday, 8 October 2009**

- 7:30 Bus transfer Leipzig–Neukirchen/Pleiße
- 9:00 Registration
- 9:30 *Coffee, refreshments*
- 10:00 Prof. Dr. Evamarie Hey-Hawkins  
*Welcoming address*
- 10:15 **Guest lecture**  
Prof. Dr. Bernd Abel (Universität Leipzig)  
*Shedding Light on (Bio)Molecular Transformations near Interfaces*
- 11:15 **Session I** chair: Gyger, Markus
1. Huber, Florian  
*"Modeling actin network growth of migrating cells"*
  2. Meier, Benno  
*"NMR in pulsed high magnetic fields"*
  3. Möddel, Monika  
*"Systematic microcanonical analyses of polymer adsorption transitions"*
  4. Wolff, Lars  
*"Nonlinear cell mechanics is plastic mechanics"*
  5. Glaß, Marco  
*"Impedimetric and electro-physiological characterisation of novel pharmaceuticals for cardiovascular diseases"*
  6. Fritsch, Anatol  
*"Giving biomechanics a spin: the Optical Cell Rotator"*
  7. Drob, Marina  
*"Preparation, characterization and applications of  $\beta$ -Cyclodextrin based monoliths prepared by electron beam-triggered free radical polymerization"*
- 13:00 *Lunch break*



- 14:00     **Session II** chair: Czekalla, Christian
1. Weichelt, Franziska  
*"ZnO-based coatings for the UV-protection of wood for outdoor applications"*
  2. Sturm, Sebastian  
*"Nonequilibrium GWLC dynamics"*
  3. Neumann, Lena  
*"SPM characterization of GaN films prepared by ion-beam assisted MBE"*
  4. Neubauer, Nils  
*"Distance measurements by photothermal detection of coupled gold nanoparticles"*
- 15:00     *Coffee break, refreshments*
- 15:30     **Session III** chair: Zippel, Jan
1. Juhl, Cathleen  
*"Expression of the adiponectin receptor 1 N-terminus"*
  2. Khare, Chinmay  
*"Influence of substrate temperature on glancing angle deposited Ge nanostructures"*
  3. Krinke, Dana  
*"A novel neuronal 3D-culture model for a label-free impedance-based screening system"*
  4. Frank, René  
*"Carbaborane-containing amino acids in the therapy and diagnostics of cancer"*
- 16:30     Meeting of the Principal Investigators of BuildMoNa
- 18:30     Guided tour
- 19:30     Dinner

**Friday, 9 October 2009**

8:30 **Advanced Presentation Skills, Instructions III**

(only for registered participants)

9:00 **Session IV** chair: Kraus, Markus

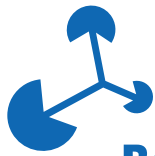
1. Zachmann, Hendrik  
*"Electrical defects in ion beam assisted deposition of Cu(In,Ga)Se<sub>2</sub>"*
2. Abhinandan Banerjee  
*"Mechanistic investigations on nanocatalytic hydrodechlorination of chlorinated contaminants in water through two dimensional isotope fractionation"*
3. Madalska, Martyna  
*"Switchable ferrocenyl phosphines as precursors for immobilized catalysts"*
4. Jahr, Nicole  
*"NH – exchange rate investigations of ubiquitin variants"*
5. Schöbl, Sebastian  
*"Effect of disorder on equilibrium conformations of semiflexible polymers"*
6. Semenov, Ilya  
*"The electrokinetic and the electroosmotic mobility of single colloids as measured by Optical Tweezers"*

10:30 *Coffee break, refreshments*

11:00 **Session V** chair: Rathmann, Daniel

1. Lajn, Alexander  
*"Transparent field effect transistors"*
2. Kumar, Santosh  
*"Electrically conducting conjugated poly(acetylene)s prepared via the cyclopolymerization of 1,6-Heptadiynes"*
3. Dusari, Srujana  
*"Looking for a direct measurement of the electron mean free path in multigraphene"*
4. Iacob, Ciprian  
*"Diffusion in ionic liquids under geometrical confinement as studied by broadband dielectric spectroscopy and pulsed field gradient nuclear magnetic spectroscopy"*

12:00 *Lunch break*



- 13:00     **Session VI** chair: Hilmer, Helena
1. Ballestar Balbas, Ana Isabel  
*„Steps to measure the intrinsic transport anisotropy of multigraphene“*
  2. Cholula Díaz, Jorge Luis  
*“Precursor based preparation of SIG-semiconductor thin-films“*
  3. Wiedenmann, Micha  
*“Evaporation/condensation transition of 3D Ising droplets“*
  4. Steude, Anja  
*“Development of novel antibody-based biosensors for specific immobilisation and detection of cells“*
  5. Ene, Roxana-Giogiana  
*“Combined structural model of spider dragline silk“*
  6. Haas, Sina  
*“Development of a novel impedance spectroscopy based biosensor for detection of smooth muscle cell activation and contractility“*
- 14:30     **Meeting of the BuildMoNa Jury**  
*Coffee break, refreshments*
- 15:00     **Award ceremony**
- 15:30     **Advanced Presentation Skills**  
(only for registered participants)
- 17:30     Prospective end of the workshop
- 18:00     Bus transfer Neukirchen/Pleiße–Leipzig