

1st BuildMoNa Workshop for Doctoral Candidates
Thursday, 16 October to Friday, 17 October 2008
Helmholtz Centre for Environmental Research - UFZ
Permoserstr. 15, 04318 Leipzig, KUBUS, Room 2 AB

Agenda

Thursday, 16 October 2008

- 9:00 Registration
- 10:00 Prof. Dr. Evamarie Hey-Hawkins
Welcoming address
- 10:15 **Session I** chair: Franziska Weichelt
1. Christian Patzig, TP19
Glancing angle deposited Si nanostructures on differently patterned substrates
 2. Markus Kraus, TP13
Efficient adsorptive-catalytic elimination of pollutants from contaminated exhaust air by a new radio-wave-supported technique
 3. Ulrike Lehmann, TP11
Modification of dinuclear transition metal complexes
 4. Ronny Syre, TP11
A Heterotetranuclear Supramolecule Capable of Two-Electron Redox Chemistry
 5. Johanna Lutz, TP19
Surface Modification of fcc-CoCr Alloys Using Plasma Immersion Ion Implantation
- 11:30 *Coffee break, refreshments*
- 11:45 **Session II** chair: Monika Moeddel
1. Marisa Mäder, TP19
Substrate-bound Metal Nanostructure Matrices by Diffraction Mask Projection Laser Ablation
 2. Santhosh Kumar, TP03
Regioselective Cyclopolymerization of Bulky, Oxa- or Aza-1,6-Heptadiynes by RuIV-Alkylidene-Based Metathesis Initiators
 3. Aslihan Kircali, TP08
Phosphorus-Rich Transition Metal Complexes as Precursors for Metal Phosphides MP_n
 4. Markus Gyger, TP10
Manipulation of stretch-activated calcium channels with the optical stretcher
 5. Lars Baumann, TP01
*Photoactivatable SDF-1 α –
Towards Photodynamic Therapy of Neuronal Injuries*

- 13:00 *Lunch break*
- 14:00 **Guest lecture** chair: Prof. Dr. Michael Buchmeiser
Prof. Dr. Katharina Landfester (MPI für Polymerforschung Mainz, Germany)
From nanoparticles to complex nanocapsules
- 15:00 *Coffee break, refreshments*
- 15.30 **Session III** chair: Sebastian Schöbl
1. Franziska Wetzel, TP10
Biomechanical analysis of primary cancer cells
 2. Sandro Wenzel, TP09
Unconventional Quantum Phase Transitions in Two-Dimensional Quantum Magnets
 3. Carolin Limburg, TP08
Ferrocenyl-Substituted Alkali Metal Phosphanides and Phosphanediides
 4. Stefan Schnabel, TP09
Solution Behavior of Semiconductor-Binding Peptides
 5. Matthias Scholz, TP08
Asborin – the Carbaborane Analogue of Aspirin
 6. Ralf Biedermann, TP14
Synthesis and Characterization of new single- source- precursors to Copper Indium/Gallium chalcogenides
- 18:00 Visit of the Bildermuseum (Museum of Visual Arts)
- 20:00 Dinner

Friday, 17 October 2008

- 8:30 **Advanced Presentation Skills, Instructions III** (room 1 CD)
(only for registered participants)
- 9:00 - **Workshop for all Doctoral Candidates** - (room 2 AB)
Session IV chair: Sebastian Sturm
1. Christian Czekalla, TP06
Zincoxide Microwire Lasers
 2. Heiko Frenzel, TP06
Transport investigations on ZnO field-effect structures
 3. Tobias Hammer, TP17
The surface near region of water-salt mixtures, ionic liquids as an example system



BuildMoNa

4. Jens Glaser, TP16
Dynamics of sticky polymer networks
5. Martin Rothermel, TP04
Sub-micron ion beam analysis and material modification – applications in physics and biology –
6. Christian Raeck, TP02
NMR-Spectroscopic Investigation of Protein Phosphorylation

10:30 *Coffee break, refreshments*

11:00 **Guest lecture** chair: Prof. Dr. Marius Grundmann
Prof. Fernando Briones (Consejo Superior de Investigaciones Científicas, CSIC, Madrid, Spain)
Quantum nanostructures for solar energy harvesting

12:00 **Session V** chair: Lars Wolff

1. Karla Müller, TP10
Laser micromanipulation to viscoelastically characterize highly potent adult mesenchymal stem cells
2. Chris Sturm, TP06
Exciton-Polaritons in ZnO based Resonators
3. Dan Strehle, TP10
Plastically Deforming Actin Bundles
4. Alexander Müller, TP06
Time-Resolved Photoluminescence Spectroscopy on MgZnO-based Layers and Quantum Wells

13:00 *Lunch break*

14:00 **Session VI** chair: Florian Huber

1. Daniel Rathmann, TP01
STRUCTURE-ACTIVITY RELATIONSHIPS OF HUMAN NPFF2 RECEPTOR
2. Ciprian-Ghiorghita Iacob, TP15
Charge transport and glassy dynamics in imidazole-based liquids
3. Dalia Angeles-Wedler, TP13
Palladium Catalysts for Environmental Applications
4. Ksenia Ramus, TP13
Thermodynamic Activity versus Total Concentration of Xenobiotics as Predictors of Bioavailability
5. Susanne Ebert, TP10
F- actin's contribution to cell deformability
6. Kathrin Bellmann-Sickert, TP01
Modification of the Regenerative Chemokine SDF1 α to Allow Fluorescence Imaging

15:30 **Meeting of the BuildMoNa Jury**

Coffee break, refreshments

15:45 **Award ceremony**

16:00 **Advanced Presentation Skills** (Room 1 CD)
(only for registered participants)

Third meeting of the Principal Investigators of BuildMoNa (Room 2 AB)

18:00 Prospective end of the workshop