

## **Annual Conference of the**

Leipzig School of Natural Sciences –  
Building with Molecules and Nano-objects

## **Graduate School BuildMoNa**

**Monday, 3 March and Tuesday, 4 March 2014**

Venues:

Monday, 3 March: Arthur Hantzsch Lecture Hall, Faculty of Chemistry and Mineralogy,  
Johannisallee 29, 04103 Leipzig

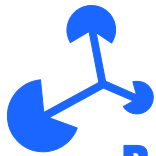
Tuesday, 4 March: Leipziger KUBUS, Helmholtz Centre for Environmental Research – UFZ,  
Permoserstraße 15, 04318 Leipzig, Room 1 AB

## **Agenda**

### **Monday, 3 March 2014**

Arthur Hantzsch Lecture Hall

- 9:30      Session I (Chair: Paul Neumann)
1. Andy Schmied  
*Bisphospholane-based functionalised nano-frames*
  2. Gianmaria Falasco  
*Hot Brownian motion of a laser-heated nanoparticle*
  3. Zhaoyang Wang  
*A trinuclear copper(II) complex: reversible emission change by modulating its aggregation behavior*
  4. Andrea Kramer  
*Melting of pectin gels*
  5. Anup Kumar Adhikari  
*1,2-Diphosphaindazole: A promising building block for novel materials*
- 10:45      *Coffee break, refreshments (Room 014)*
- 11:15      Session II (Chair: Michael Ansorge)
6. Paul Cosmin Boar  
*In pursuit of phospholane-containing heterobimetallic macrocycles for catalysis*
  7. Jörg Schnauß



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*Actin bundle contractility without molecular motors*

8. Andre Heber

*Measurement of thermal diffusivity with a single metal nanoparticle*

9. Uta Allenstein

*Functionalisation of FePd ferromagnetic shape memory alloys for biomedical applications – An experimental and theoretical survey*

10. Jörg Buchwald

*Mechanical properties of surfaces at nanoscale*

12:30 *Lunch break (Room 014)*

13:30 Session III (Chair: Mareen Pagel)

11. Ria Schönauer

*Stabilisation of peptides for therapeutic applications*

12. Xingxing Sun

*Ultraviolet laser-induced phase transitions of PLD-deposited GeTe films*

13. Cathleen Jendry

*Characterization of serpin-derived peptides by enzymatic cleavage to design KLK7 inhibitors*

14. Tom Golde

*Fluorescent beads disintegrate actin networks*

15. Jiranuwat Sapudom

*Goodbye flat biology – 3D biomimetic microenvironments for single cell studies*

14:45 *Coffee break, refreshments (Room 014)*

15:00 Jury meeting

15:15 Award ceremony

15:45 Meeting of the DCs

16:00 Lab tours for invited speakers (Chemistry/Physics) and discussions with Doctoral Candidates

18:00 Dinner at restaurant *Bayerischer Bahnhof\**

20:00 Prospective end

*\* Please register for the Dinner at restaurant Bayerischer Bahnhof (Self-Payment) under [buildmona@uni-leipzig.de](mailto:buildmona@uni-leipzig.de) until 19 February 2014.*

**Tuesday, 4 March 2014**

Leipziger KUBUS

- 8:30 PI Meeting
- 9:30 *Coffee, refreshments*
- 10:00 Prof. Dr. Evamarie Hey-Hawkins  
*Welcoming Address*
- 10:15 Prof. Dr. Eva Rentschler (Chair: Wilma Neumann)  
Johannes Gutenberg Universität Mainz  
*The bottom-up approach towards magnetic materials*
- 11:15 *Coffee break, refreshments*
- 11:45 Prof. Dr. Rudolf Merkel (Chair: Tim Stangner)  
Forschungszentrum Jülich  
*Biophysical experiments on cellular mechanobiology*
- 12:45 Group photo shooting
- 13:00 *Lunch*
- 14:30 Prof. Dr. Manfred Helm (Chair: Martin Göse)  
Helmholtz-Zentrum Dresden-Rossendorf  
*Terahertz spectroscopy of nanostructures with a free electron laser*
- 15:30 *Coffee break, refreshments*
- 16:00 Prof. Dr. Klaus Roth (Chair: Andy Schmied)  
Freie Universität Berlin  
*Weird crystallisations and Sir William's beard*
- 17:00 Award ceremony
- 17:30 Poster session (for even poster numbers)
- 18:30 Poster session (for odd poster numbers)
- 19:30 Dinner buffet (and continuation of poster sessions)
- 21:00 Prospective end