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**Annual Conference of the**  
Leipzig School of Natural Sciences –  
Building with Molecules and Nano-objects  
**Graduate School BuildMoNa**  
**Monday, 19 March and Tuesday, 20 March 2018**

Venue:

Arthur Hantzsch Lecture Hall, Faculty of Chemistry and Mineralogy, Johannisallee 29,  
04103 Leipzig, Germany

**Agenda**

**Monday, 19 March 2018**

- 9:30 Prof. Dr. Marius Grundmann  
*Welcoming address*
- 9:35 Prof. Dr. Knut R. Asmis (chair: Max Kneiß)  
Universität Leipzig  
*Cryogenic ion vibrational spectroscopy: more than a structural characterization tool for gas phase clusters*
- 10:35 *Coffee break, refreshments (Room 014)*
- 11:00 Dr. ir. Henk Huinink (chair: Antonio Buzharevski)  
TU Eindhoven  
*Towards a thermal battery – utilizing solid-solid transitions in crystal hydrates*
- 12:00 Group photo shooting
- 12:15 *Lunch (Room 014)*





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- 13:30 Prof. Dr. Claudia Blindauer (chair: Dennis Worm)  
University of Warwick  
*Metal-sensing proteins and regulatory molecular switches: the mechanics of zinc homeostasis*
- 14:30 *Coffee break, refreshments (Room 014)*
- 15:00 Ceremony of BuildMoNa Awards 2018
- 15:30 10 years BuildMoNa – Retrospective and Looking Forward
- 16:30 Poster session
- 17:30 Dinner buffet (and continuation of poster session)
- 19:00 Prospective end

## **Tuesday, 20 March 2018**

- 9:00 - 10:00 PI Meeting
- 10:00 *Coffee, refreshments (Room 014)*
- 10:15 Prof. Dr. Silke Christiansen (chair: Yuting Guo)  
Helmholtz-Zentrum Berlin  
*3D nanoarchitectures of organic and inorganic nature – enhancing functionality and understanding through correlative microscopy*
- 11:15 Dr. Donald Maclaren (chair: Paul Räcké)  
University of Glasgow  
*Mapping the nanoscale functionality of advanced materials using analytical electron microscopy*
- 12:15 *Lunch (Room 014)*



- 13:15      Session I (chair: Sascha Becker)
1.    Angela Aleksovska  
 *$\pi$ -Conjugated ligands for photoactive metal-organic frameworks*
  2.    Max Kneiß  
*A Pulsed Laser Deposition Technique for Continuous Variation of Alloy Composition in Growth Direction: Demonstration on the Transparent  $Mg_xZn_{1-x}O$  Alloy System*
  3.    John Popp  
*"Das doppelte Lottchen" Enantioselective synthesis of P-chiral ferrocenyl phosphines for redox-switchable catalysis*
  4.    Paul Räche  
*Deterministic ion implantation*
  5.    Rafaella Precker  
*BioMOFs as drug carriers in cancer therapy*
- 14:30      *Coffee break, refreshments (Room 014)*
- 15:00      Session II (chair: Felix Link)
6.    Chiara Ruggirello  
*Magnetically mediated Hyperthermia for cancer's treatment*
  7.    Philipp Wolf  
*Bio-orthogonal labeling of G protein-coupled receptors in live cells*
  8.    Dennis Worm  
*Selective neuropeptide Y conjugates with high carbaborane loading as potential boron delivery agents for BNCT*
  9.    Henrik Christiansen  
*Application of population annealing to molecular dynamics simulations for protein folding*



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10. Susann Liedtke  
*Texture of obliquely deposited metallic thin films*
11. Peter Coburger  
*Oxidative P-P Bond Addition to Cobalt(-I)*

- 16:30 Jury meeting
- 16:30 *Coffee break, refreshments (Room 014)*
- 17:00 Awards for DC talks
- 17:30 Meeting of the DCs
- 17:45 End of conference