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## **Annual Conference of the**

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

## **Graduate School BuildMoNa**

**Monday, 18 March and Tuesday, 19 March 2019**

Venue:

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

### **Agenda**

#### **Monday, 18 March 2019**

- 9:30 Prof. Dr. Marius Grundmann  
*Welcome address*
- 9:35 Prof. Dr. Kirsten Zeitler (chair: Volker Eilrich)  
Universität Leipzig  
*Multicatalytic transformations with and without light*
- 10:35 *Coffee break, refreshments (Room 014)*
- 11:00 Prof. Dr. Siegfried R. Waldvogel (chair: Saral Baweja)  
Universität Mainz  
*Electrifying organic synthesis*
- 12:00 Group photo shooting
- 12:15 *Lunch (Room 014)*





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- 13:30 Dr. Irene Coin (chair: Kevin Kretschmer)  
Universität Leipzig  
*Genetically encoded chemical tools for studying membrane proteins*
- 14:30 *Coffee break, refreshments (Room 014)*
- 15:00 Ceremony for BuildMoNa Awards 2019
- 15:30 Poster session
- 16:30 Dinner buffet (and continuation of poster session)
- 18:00 Prospective end

## **Tuesday, 19 March 2019**

- 9:00 - 10:00 PI Meeting
- 10:00 *Coffee, refreshments (Room 014)*
- 10:15 Ass. Prof. Peter Zijlstra (chair: Martin Fränzl)  
TU Eindhoven  
*Plasmon-enhanced single-molecule sensing*
- 11:15 Dr. Eckhard Bill (chair: Benedikt Schwarze)  
Max-Planck-Institut für chemische Energiekonversion, Mühlheim an der Ruhr  
*Spectroscopic properties and electron structure of low-valent iron nitrosyl complexes*
- 12:15 *Lunch (Room 014)*



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13:15 Session I (chair: Angela Aleksovska)

1. Sascha Becker  
*Photoelectrical readout of single nitrogen vacancy centers in diamond*
2. Tobias Fischer  
*Between obesity and inflammation: Understanding ligand-binding at the chemokine-like receptor 1*
3. Lukas Trefflich  
*Fabrication and luminescence properties of carbon-nanodot-based planar microcavities*
4. Martin Fränzl  
*Single amyloid fibrils studied in a thermophoretic trap*
5. David Langer  
*Immobilisation of polydentate ligands on dendritic backbones for tandem catalysis*

14:30 Coffee break, refreshments (Room 014)

15:00 Session II (chair: Max Kneiß)

6. Jan Schulz  
*Carborane-based Frustrated Lewis Pairs*
7. Christina Fraunhofer  
*Crystal structures and properties of new quaternary compounds in the system Cu/Bi/Se with transition metals*
8. Alexander Fischer  
*Feedback control of active microswimmers*



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9. David Rettke  
*A biomimetic approach for an optical glyphosate sensor with picomolar sensitivity*
10. Florian Harth  
*Valorization of glycolic acid by heterogeneous catalysis in aqueous phase*

- 16:15 Jury meeting
- 16:15 Coffee break, refreshments (Room 014)
- 16:45 Awards Ceremony for Doctoral Candidates' talks
- 17:15 Meeting of the Doctoral Candidates
- 17:30 End of conference