

SupraChem 2015

Program

Sunday, February 22, 2015

19:00-22:00	Informal Get-Together Location:
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Monday, February 23, 2015, Morning Session

Metallosupramolecular & Subcomponent Self-Assembly

08:00-08:10	Welcome Remarks (Lützen/Schalley/Seiffert)
08:10-08:30	Rahul Gera , Tata Institute of Fundamental Research, Mumbai/IN <i>Optically triggering ultrafast bidirectional PCET inside a self-assembled Nanocage</i>
08:30-08:50	Guido H. Clever , Georg-August-Universität Göttingen/D <i>Dynamics and Switching in Self-Assembled Hosts</i>
08:50-09:10	Astrid Schaly , Université de Bourgogne, Dijon/F <i>Stereoselective Self-Assembly of Chiral Metallo-Organic Cryptophanes</i>
09:10-09:30	Markus Albrecht , RWTH Aachen/D <i>"Remote control" of stereoselectivity in C-C forming reactions in the periphery of hierarchically assembled helicates</i>
09:30-09:50	Anna J. McConnell , University of Cambridge, Cambridge/UK <i>Cobaltocene Mediated Reductive Coupling of Iminoboronates</i>
09:50-10:10	Michael Mastalerz , Ruprecht-Karls-Universität, Heidelberg/D <i>Giant Boronic Ester Cages</i>

Coffee Break

Capsules, Cages & Baskets

10:40-11:00	Florian Beuerle , Universität Würzburg, Würzburg/D <i>Shape-Controlled Synthesis and Self-Sorting of Covalent Organic Cage Compounds</i>
11:00-11:20	Konrad Tiefenbacher , Technische Universität München, München/D <i>Enzyme-like catalysis in self-assembled aromatic cavities</i>
11:20-11:40	Jovica D. Badjic , Ohio State University, Columbus/USA <i>The Selective Entrapment and Degradation of Nerve Agents with Amino-Acid Containing Baskets and their Assemblies in Water</i>
11:40-12:30	Jonathan R. Nitschke , University of Cambridge/UK <i>Transformative cages and luminous chains: functional materials through subcomponent self-assembly</i>

Lunch Break

Monday, February 23, 2015, Afternoon Session

Supramolecular Polymers

14:00-14:50	Ulrich S. Schubert , Universität Jena, Jena/Germany <i>Metallo-Supramolecular Polymers</i>
14:50-15:10	Pol Besenius , Westfälische Wilhelms-Universität, Münster/D <i>pH-Regulated Supramolecular Polymerisation</i>
15:10-15:30	Ievgen Donskyi , Freie Universität Berlin, Berlin/D <i>Fullerene-Polyglycerol hybrids</i>
15:30-15:50	Soichiro Ogi , Universität Würzburg, Würzburg/D <i>Seeded Supramolecular Polymerization of Perylene Bisimide Organogelator</i>

Coffee Break

Anion Recognition

16:20-16:40	Evgeny A. Kataev , Technische Universität Chemnitz, Chemnitz/D <i>Recognition of phosphates by synthetic receptors</i>
16:40-17:00	Ivo Leito , University of Tartu, Tartu/EST <i>Towards discrimination of carboxylates by hydrogen-bond donor anion receptors</i>
17:00-17:20	Werner M. Nau , Jacobs-Universität, Bremen/D <i>The Chaotropic Effect: A Generic Driving Force for Anion Complexation</i>
17:20-17:40	Fabian Sommer , Technische Universität Kaiserslautern, Kaiserslautern/D <i>Anion Binding by a Neutral Water Soluble Bis(cyclopeptide)</i>

Poster Session with Conference Dinner Buffet

Tuesday, February 24, 2015, morning session

Dynamic Covalent Chemistry & Systems Chemistry

08:00-08:50	Sijbren Otto , Rijksuniversiteit Groningen, Groningen/NL <i>Systems Chemistry: From Molecular Recognition to Self-Replication</i>
08:50-09:10	Max von Delius , Friedrich-Alexander-Universität, Erlangen/D <i>Orthoester Exchange: A Tripodal Tool for Dynamic Covalent Chemistry</i>

Sensors & Receptors

09:10-09:30	Frank Biedermann , Karlsruhe Institut of Technology, Karlsruhe/D <i>Sensitive Detection of Neurotransmitters in Water and Biological Media with Remarkably Selective, Fluorescent Chemosensors</i>
09:30-09:50	Rebecca Sure , Universität Bonn, Bonn/D <i>Supramolecular Association Free Energies by Dispersion Corrected Density Functional Theory</i>
09:50-10:10	Sascha Woitschetzki , Universität Duisburg-Essen, Essen/D <i>Strongly underestimated dispersion energy in supramolecular complexes</i>

Coffee Break

Functional Supramolecules I

10:40-11:00	Stefan S. Jester , Universität Bonn, Bonn/D <i>Supramolecular Nanopatterns of Organic Molecules</i>
11:00-11:20	Vladimir A. Azov , Universität Bremen, Bremen/D <i>Light-controlled Macrocyclization of Tetrathiafulvalene with Azobenzene: Designing an Opto-electronic Molecular Switch</i>
11:20-11:40	Lutz Greb , Université de Strasbourg, Strasbourg/F <i>Axle-change – Imines as molecular switches and motors</i>
11:40-12:00	Uli Lüning , Universität Kiel, Kiel/D <i>Mechanical contributions to supramolecular chemistry: On transport and force measurements</i>
12:00-12:20	Thomas Schrader , Universität Duisburg-Essen, Essen/D <i>Molecular Tweezers – from Supramolecular Chemistry to Alzheimer's Therapy</i>

Lunch Break

Tuesday, February 24, 2015, Afternoon Session

Functional Supramolecules II

13:50-14:40	Stefan Matile , Université de Genève, Genève/CH <i>Supramolecular Systems at Work</i>
14:40-15:00	Pinaki Talukdar , Indian Inst. of Science Education & Research, Pune/IN <i>Unimolecular and Supramolecular Artificial Ion Channel Systems</i>
15:00-15:20	Ulrike Kauscher , Westfälische Wilhelms-Universität, Münster/D <i>Liposomes with supramolecular responsive functionalization</i>
15:20-15:40	Burkhard König , Universität Regensburg, Regensburg/D <i>Functionalized Vesicles in Sensing and Catalysis</i>
15:40-16:00	Carsten Schmuck , Universität Duisburg-Essen, Essen/D <i>From Gene Delivery to pH responsive Gels: Functional Supramolecular Systems</i>
16:00-16:10	Closing remarks (Lützen/Schalley/Seiffert)