

SupraChem 2019

Program Schedule

Sunday, February 24

16:00 **Registration**

17:00 **Welcoming Remarks**

17:15 **Keynote Lecture**

Vivian W.-W. Yam, The University of Hong Kong

KL1: From Discrete Metal-Ligand Motifs to Supramolecular Assembly, Nanostructures and Functions

18:00 **Welcome Reception**

Monday, February 25

Session 1: Supramolecular Machinery

08:30 **Keynote Lecture**

J. Fraser Stoddart, Northwestern University, Evanston, IL, USA

KL2: Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines

09:15 **Michael Schmitt**, Universität Siegen, Germany

L01: Multicomponent Catalytic Machinery: How the Machine Speed Impacts Catalytic Activity

09:35 **Burkhard König**, Universität Regensburg, Germany

L03: Self-selection of dissipative assemblies driven by primitive chemical reaction networks

09:55 **Marta Tena-Solsona**, Technische Universität München, Germany

L02: Supramolecular assemblies in chemical photocatalysis

10:15 **Coffee Break**

Session 2: Organometallics and Dynamic Systems

10:45 **Alexander Pöthig**, Technische Universität München, Germany

L04: Pillarplexes – Functional organometallic cavitands in supramolecular and rotaxane chemistry

11:05 **Tobias Beck**, RWTH Aachen, Germany

L05: Self-organization of biomolecular building block and inorganic nanoparticles into biohybrid nanomaterials

11:25 **Andreas Orthaber**, Uppsala University, Sweden

L06: Conjugated and annulated heteroaromatic systems containing heavier main group elements as supramolecular building blocks

- 11:45 **Anna McConnell**, Christian-Albrechts-Universität Kiel, Germany
L07: Reductive Coupling of N-Aryl Iminoboronates and B-N Dynamic Covalent Chemistry
- 12:05 **Pablo Ballester**, Institut Català d'Investigació Química, Tarragona, Spain
L08: Self-assembly of a Mono-metallic Pd(II)-Cage Featuring Two Different Polar Binding Sites

12:25 **Lunch Break**

Session 3: Supramolecular Polymers

- 14:00 **Matthieu Raynal**, Sorbonne Université, Paris, France
L09: Implementing the Dynamic Nature of a Supramolecular Polymer Catalyst for Selectivity Control
- 14:20 **David González-Rodríguez**, Universidad Autónoma de Madrid, Spain
L10: Custom-tailored Self-assembled Nanotubes through Hierarchical Coupling of Cooperative Interactions
- 14:40 **Hans-Werner Schmidt**, Universität Bayreuth, Germany
L11: Long-range energy transport in single supramolecular nanofibers at room temperature
- 15:00 **Daniel Görl**, École Polytechnique Fédérale de Lausanne, Switzerland
L12: Supramolecular Materials Based on High Polymer Molecular Weights
- 15:20 **Kazunori Sugiyasu**, National Institute of Materials Science, Tsukuba, Japan
L13: Direct Visualization and Manipulation of Molecular Self-assembly by Using High-Speed Atomic Force Microscopy

15:40 **Coffee Break**

Session 4: Supramolecular Materials and Analytical Techniques

- 16:15 **Stefan Jester**, Rheinische Friedrich-Wilhelms-Universität Bonn, Germany
L14: Supramolecular Nanopatterns
- 16:35 **Christoph Schalley**, Freie Universität Berlin, Germany
L15: Ion Mobility Mass Spectrometry as a Tool in Supramolecular Chemistry
- 16:55 **Matthias Lehmann**, Julius-Maximilians-Universität Würzburg, Germany
L16: Fullerene-Filled LC Stars – A Supramolecular “Click” Mechanism for the Generation of Tailored Donor-Acceptor Self-Assemblies
- 17:15 **Andreas Hennig**, Jacobs University Bremen, Germany
L17: Highly Efficient Cellular Delivery of Peptides by Amphiphilic Calixarenes
- 17:35 **Mihail Barboiu**, Institut Européen des Membranes, Montpellier, France
L18: Artificial Water Channels- toward biomimetic membranes for desalination

18:00 **Poster Session with Beer and Pretzels**

Tuesday, February 26

Session 5: Molecular Cages

08:30 **Keynote Lecture**

Andrew I. Cooper, University of Liverpool, United Kingdom

KL3: Energy–Structure–Function Maps: Designing Functional Supramolecular Crystals 'From Scratch'

09:15 **Larissa von Krbek**, University of Cambridge, United Kingdom

L19: Allosteric regulation of anion exchange in an Fe_4L_6 tetrahedron

09:35 **Michael Mastalerz**, Ruprecht-Karls-Universität Heidelberg, Germany

L20: Chemistry of Shape-Persistent Imine Cages

09:55 **Sonja Pullen**, Technische Universität Dortmund, Germany

L21: Functional Heteroleptic Coordination Cages for Performing Catalysis in Confined Space

10:15 **Max von Delius**, Universität Ulm, Germany

L22: Unleashing the Supramolecular Potential of Strained Carbon Nanohoops

10:35 **Coffee Break**

Session 6: Host-Guest Chemistry and Sensing

11:15 **Frank Biedermann**, Karlsruhe Institute of Technology, Germany

L23: Out-of-Equilibrium Sensing with Unselective High-Affinity Receptors

11:35 **Bart Jan Ravoo**, Westfälische Wilhelms-Universität Münster, Germany

L24: Intracellular Delivery and Sensing by Polymer Nanocontainers based on Host-Guest Chemistry

11:55 **Evgeny Kataev**, Technische Universität Chemnitz, Germany

L25: Dye-containing cyclophanes for selective recognition of nucleotides

12:15 **Werner M. Nau**, Jacobs University Bremen, Germany

L26: Expanding the Portfolio of Driving Forces in Host-Guest Chemistry

12:35 **Pol Besenius**, Johannes-Gutenberg-Universität Mainz, Germany

L27: Multicomponent Supramolecular Polymers as a Toolbox for Viromimetic Assemblies and Thermogels

12:55 **Poster Prizes and Closing Remarks**

13:30 **End of Conference**