



4th CRC1093 International Symposium

SUPRAMOLECULAR CHEMISTRY MEETS BIOLOGY

Program (Version 26.08.2021)

01.09.2021 Day 1	
11.00 – 11.10	Welcome by the CRC1093 Thomas Schrader , Spokesperson of the CRC1093
Session 1 Supramolecular Manipulation and Modulation of Biofunctions Chair: Jens Voskuhl	
11.10 – 11.50	Pascal Jonkheijm , University of Twente, NED <i>“Chemical Strategies for Cell-Instructive Biointerfaces”</i>
11.50 - 12.30	Alexander Kros , University of Leiden, NED <i>“Coiled-coil mediated fusion of cell-wall deficient Bacteria”</i>
12.30 – 12.35	Short coffee to go break
12.35 – 13.05	Bart Jan Ravoo , CRC1093 <i>“Supramolecular nanoparticles for intracellular payload delivery”</i>
13.05 – 13.45	Jeroen Cornelissen , University of Twente, NED <i>“Protein cages as new tools for nanomedicine”</i>
13.45 – 14.15	Break
14.15 – 15.30	Poster Session I
14.15 – 14.30	Short introduction of poster presentations by participants (with odd numbers)
14.30 – 15.30	Breakout session: parallel poster presentations in breakout rooms 1-30 (odd numbers)
15.30 – 15.35	Short coffee to go break
Session 2 Structural Basis of Ligand-induced Protein-Protein-Interaction and Enzyme Modulation Chair: Peter Bayer	
15.35 – 16.15	Reinhard Sterner , University of Regensburg <i>“Artificial photo-control of enzymatic activity and allostery”</i>
16.15 – 16.45	Christine Beuck , CRC1093 <i>“NMR Structure of an Aggregation-Induced-Emission (AIE) Fluorophore”</i>
16.45 – 16.55	Short coffee to go break
16.55 – 17.35	Guido Clever , University of Dortmund <i>“Supramolecular chemistry with DNA G-quadruplexes: assembly, recognition and catalysis”</i>
17.35 – 18.15	Simon Ebbinghaus , University of Braunschweig <i>“Protein folding stability and phase separation as a target for supramolecular chemistry”</i>
18.20	End of day 1



02.09.2021 Day 2	
CRC1093 Plenary Lecture Chair: Thomas Schrader	
09.00 – 09.40	Raz Jelinek , Ben-Gurion University of the Negev, Israel <i>“New strategies for disrupting bacterial biofilms and bacterial virulence”</i>
Session 3 and 4: (Nano)BioPhotonics- and Microscopy-based Approaches Chairs: Sebastian Schlücker and Shirley Knauer	
09.40 – 10.10	Matthias Epple , CRC1093 <i>“Covalently functionalized ultrasmall gold nanoparticles to target protein epitopes”</i>
10.10 – 10.15	Short coffee to go break
10.15 – 10.55	Thomas Huser , University of Bielefeld <i>“Label-free, chemically sensitive optical microscopy at and beyond the diffraction limit”</i>
10.55 – 11.35	Franziska Gröhn , University Erlangen-Nürnberg <i>“Functional and Multi-Stimuli-Responsive Nano-Assemblies”</i>
11.35 – 11.45	Short Break
11.45 – 13.00	Poster session II
11.45 – 12.00	Short introduction of poster presentations by participants (with even numbers)
12.00 – 13.00	Start of Breakout session: parallel poster presentations in breakout rooms 1-30 (even numbers)
13.00 – 14.00	Lunch Break
14.00 – 14.40	Vahid Sandoghdar , MPI for the Science of Light, Erlangen <i>“Title of talk”</i>
14.40 – 15.20	Hidde Ploegh , Boston, USA <i>“Nanobodies to engineer immunity”</i>
15.20 – 16.00	Markus Sauer , University of Würzburg <i>“Super-resolution expansion microscopy”</i>
16.00 – 16.10	Short Break
Young Researcher Session Chair: Shirley Knauer	
16.10 – 16.20	Dr. Inesa Hadrovic , University of Duisburg-Essen <i>“Designed Molecular Tweezers for Functional Protein Targeting”</i>
16.20 – 16.30	Lukas Stratmann , University of Dortmund <i>“Title of talk”</i>
16.30 – 16.40	Poster Prize
16.40	Closing
16.50	End of Symposium