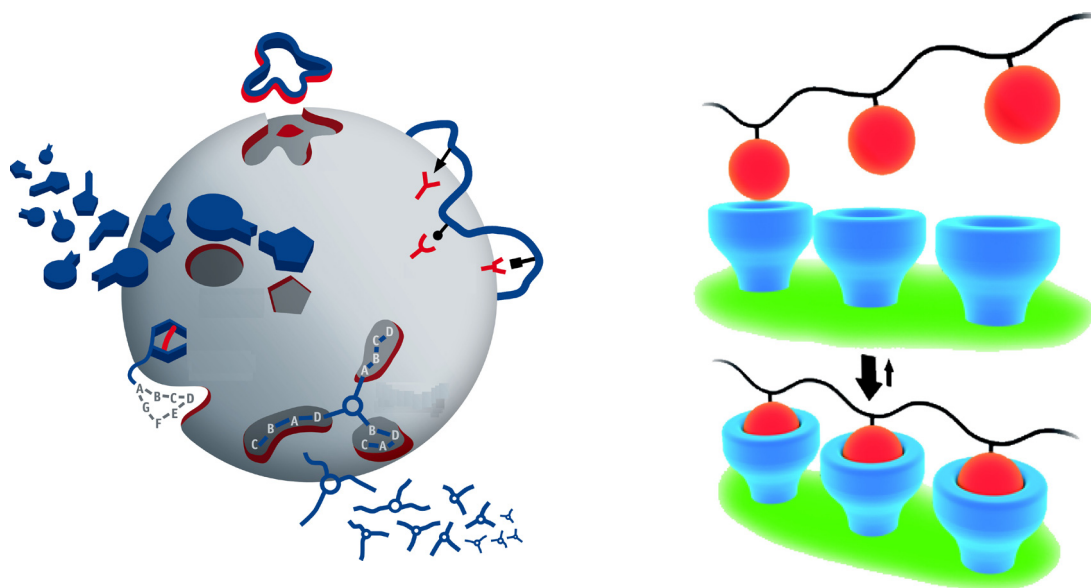


CRC 1093 and CRC 765 Graduate Student Symposium



Protein-Ligand Interactions

31st August – 2nd September 2016; Hannover

Supported by:

Program of the Joint Graduate Student Symposium 2016 – Day 1

Wednesday 31st of August 2016	
11 – 13:00	Check-in GHotel Hannover
13:15	Dr. Lydia Didt-Koziel, UDE Welcome remarks
13:30	Prof. Dr. Carsten Schmuck, UDE Introduction into the research network of the CRC1093
13:45	Graduate Student Speakers, Free University of Berlin Introduction into the research network of the CRC765
14:00	Small Snack and Coffee Break
Session 1 <i>Chemical Toolbox</i>	
15:00	Prof. Dr. Carsten Schmuck, UDE "Combinatorial Chemistry"
15:45	Andrea Sowislok, UDE "Novel Diphosphate Tweezers for Regioselective Protein Surface Recognition."
16:00	Florian Schulz, UDE "Synthesis of selected AQUA peptides and method development for absolute quantification of proteins in biological matrices by high resolution mass spectrometry."
16:15	Jean-Noël Grad, UDE "Computational investigation of multivalent peptidic dendrimers."
16:30	Sumit Mittal, UDE "Inhibition of Huntingtin exon-1 aggregation by a molecular tweezer."
17:00	Coffee Break
17:30	EVENING LECTURE Dr. Peter Nussbaumer, Lead Discovery Center & Translation, Dortmund „Professional Translational Research: A New Efficient Drug Discovery Paradigm by Merging the Strengths of Academia and Industry”
19:00	Symposium Dinner

Program of the Graduate Student Symposium 2016 – Day2

Thursday 1st of September 2016

Session 2 *Inhibitor screening*

- 09:00 **Prof. Dr. Mark Brönstrup**, *University of Hannover*
Chemical Biology Directed to Anti-infective Drug Discovery
- 09:45 **Miriam Bertazonn**, *Free University of Berlin*
Profiling and Inhibition of multivalent WW domain interaction
- 10:00 **Christina Fischer**, *Free University of Berlin*
Multivalent peptide-polymer conjugates as inhibitors for protein-protein interactions
- 10:15 **Johannes von Sass** *Free University of Berlin*
Production of multivalent (oNB)DOPA-containing flagella forest

10:30 **Coffee Break**

Session 3 *Think Big – DNA Cages and Molecular Machines*

- 11:00 **Dr. Barbara Saccà**, *UDE*
"Tailored protein encapsulation into a DNA origami host through geometrically organized supramolecular interactions".
- 11:45 **Wolfgang Pfeifer**, *UDE*
"Molecular recognition in the assembly of hierarchical DNA superstructures."
- 12:00 **Kai Walstein**, *Max-Planck Institute, Dortmund*
"Investigation of CENP-A loading on centromeric chromatin"

12:30 **Lunch**

Session 4 *Structure Based Drug Design*

- 13:30 **Prof. Dr. Teresa Carlomagno**, *University of Hannover*
Title will be announced
- 14:15 **Gunnar Bachem**, *Humboldt University of Berlin*
DNA-Programmed Spatial Screening of Multivalent Carbohydrate-Protein Interaction
- 14:30 **Saba Nojumi**, *Free University of Berlin*
Title will be announced

15:00 **Poster Session**

17:30 **Symposium Dinner**

19:30 **Social Event "Altstadtrundgang Hannover"**

Program of the Graduate Student Symposium 2016 – Day3

Friday 2nd of September 2016

Session 5 *Protein-Ligand Interactions in Cells*

- 09:00 **Prof. Dr. Matthias Epple, UDE**
"Nanoparticle-mediated transport of proteins and other biomolecules into cells."
- 09:45 **Sascha Büscher, UDE**
„Synthesis, purification and characterization of calcium phosphate nanoparticles as carriers for biomolecules“
- 10:00 **Cecilia Vallet , UDE**
„Molecular impact of Survivin acetylation on its biological function“.
- 10:15 **Lisa Brencher, University Hospital Essen**
"Attenuation of intestinal I/R-injury by β -alanine: A glycine- receptor mediated effect?"

10:30 **Coffee Break**

Session 6 *Functionalized Scaffolds / Interaction Dynamics*

- 11:00 **Prof. Dr. Beate Paulus, Free University of Berlin**
Title will be announced
- 11:45 **Susanne Liese, Free University of Berlin**
Influence of length and flexibility of spacers on the binding affinity of divalent ligands
- 12:00 **Andreas Achazi, Free University of Berlin**
Title will be announced
- 12:15 **Anirudh Gupta, Free University of Berlin**
Title will be announced
- 12:30 **Poster Prizes and Closing of the Symposium**
- 13:00 **Lunch**
End of the Symposium