

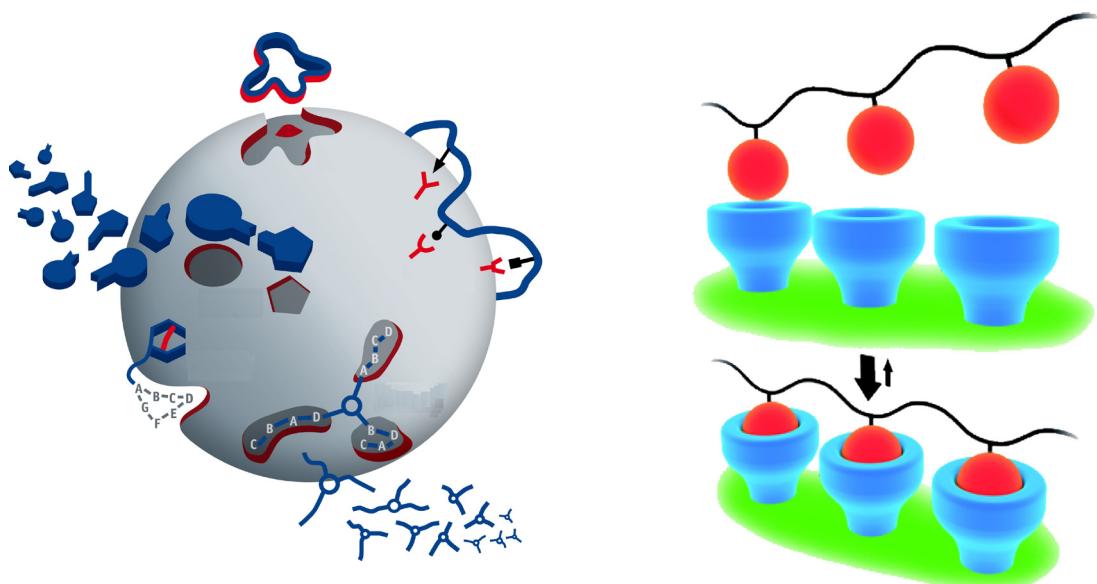


CRC  
1093



# CRC 1093 and CRC 765

## Graduate Student Symposium



# *Protein-Ligand Interactions*

31<sup>st</sup> August – 2<sup>nd</sup> September 2016; Hannover

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## Program of the Joint Graduate Student Symposium 2016 – Day 1

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

## Program of the Graduate Student Symposium 2016 – Day2

Thursday 1st of September 2016

### Session 2 Inhibitor screening

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

10:30 **Coffee Break**

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

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

12:30 **Lunch**

### Session 4 Structure Based Drug Design

13:30	<b>Prof. Dr. Teresa Carlomagno, University of Hannover</b> Title will be announced
14:15	<b>Gunnar Bachem, Humboldt University of Berlin</b> DNA-Programmed Spatial Screening of Multivalent Carbohydrate-Protein Interaction
14:30	<b>Saba Nojoumi, Free University of Berlin</b> 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	<b>Prof. Dr. Matthias Epple, UDE</b> "Nanoparticle-mediated transport of proteins and other biomolecules into cells."
09:45	<b>Sascha Büscher, UDE</b> "Synthesis, purification and characterization of calcium phosphate nanoparticles as carriers for biomolecules"
10:00	<b>Cecilia Vallet , UDE</b> "Molecular impact of Survivin acetylation on its biological function".
10:15	<b>Lisa Brencher, University Hospital Essen</b> "Attenuation of intestinal I/R-injury by $\beta$ -alanine: A glycine- receptor mediated effect?"

10:30 **Coffee Break**

### Session 6 *Functionalized Scaffolds / Interaction Dynamics*

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