

## Time Schedule of the NanoBioMater 2017 Summer School

Tuesday, June 27		
11:00 – 13:30	<b>Registration</b>	
12:30 – 14:00	Lunch	
14:00 – 14:30	<b>Claudia Koch, Dirk Rothenstein, Alexander Southan, Günter Tovar, Christina Wege</b> University of Stuttgart (Germany)	Welcome to the NanoBioMater 2017 Summer School and presentation of the <i>Projekthaus NanoBioMater</i>
SESSION A: Chair Günter Tovar		
14:30 – 15:30	<b>ST-1: Tanja Weil</b> Max Planck Institute for Polymer Research (Germany)	Biohybrid materials for medicinal applications
15:30 – 16:00	Coffee break	
16:00 – 17:00	<b>ST-2: Dirk Schüller</b> University of Bayreuth (Germany)	Making magnets by microbes: Generation of magnetic nano-materials by genetic engineering of bacterial magnetosome organelles
17:00 – 18:00	<b>Poster session and mixer</b>	
18:00 – 19:30	Dinner	
19:30 – 22:00	<b>Poster session and mixer</b>	
Wednesday, June 28		
SESSION B: Chair Christina Wege		
9:00 – 10:00	<b>ST-3: Ute Kaiser</b> Ulm University (Germany)	Imaging the atomic structure of radiation-sensitive objects in the TEM at very low voltages
10:00 – 11:00	<b>ST-4: Fernando Ponz</b> Center for Plant Biotechnology and Genomics UPM-INIA (Spain)	Viral nanoparticles derived from membrane-less elongated flexuous plant viruses: An emerging nanobioplatfrom with multiple applications
11:00 – 11:15	Coffee break	
11:15 – 12:15	<b>ST-5: Thomas Scheibel</b> University of Bayreuth (Germany)	Engineering, processing and applications of structural proteins: The tale of spider silk
12:15 – 12:30	<b>Sabine Laschat</b> University of Stuttgart (Germany)	Closing of the NanoBioMater 2017 Summer School
12:30 – 13:30	Lunch	

## Time Schedule of the NanoBioMater 2017 International Conference

Wednesday, June 28		
11:00 – 13:30	Registration	
12:30 – 13:30	Lunch	
13:30 – 14:00	<b>Sabine Laschat</b>	Opening of the conference
SESSION 1: Chair Joachim Bill		
14:00 – 14:45	<b>Sabine Eiben, Dirk Rothenstein and Alexander Southan</b>	Projekthaus NanoBioMater
14:45 – 15:05	<b>[CT-1] Silke Keller</b> University of Stuttgart (Germany)	Development of an azide-functional cell-derived extracellular matrix
15:05 – 15:25	<b>[CT-2] Khaoula Khouzami</b> University of Messina (Italy)	Structural and thermal characterization of chitosan-clay biohybrids as promising drug delivery systems
15:25 – 15:55	Coffee break	
SESSION 2: Chair Sabine Ludwigs		
15:55 – 16:40	<b>[Invited talk 1]</b> <b>Curtis W. Frank</b> Stanford University (USA)	Soft matter at interfaces
16:40 – 17:00	<b>[CT-3] Karishma K. Adatia</b> University of Stuttgart (Germany)	Synthesis and characterization of block-copolymers for surface functionalization of hydrogels
17:00 – 17:40	<b>Selected Poster Short Talks (5 min)</b> <b>Christiane Claaßen</b> , U Stuttgart <b>Michael Gießl</b> , U Konstanz <b>Esra Oruc</b> , U Stuttgart <b>Ramona B. J. Ihlenburg</b> , U Potsdam <b>Timotheus Jahnke</b> , U Stuttgart <b>Sabine Kugler</b> , TU München <b>Matthias Schneider</b> , U Potsdam	Poster #06 Poster #12 Poster #31 Poster #17 Poster #18 Poster #25 Poster #35
17:40 – 18:00	Conference Photo	
18:00 – 19:30	Dinner	
19:30 – 22:00	<b>Poster session and mixer</b>	

Thursday, June 29		
SESSION 3: Chair Dirk Rothenstein		
9:00 – 9:45	<b>[Invited talk 2]</b> <b>Carole Perry</b> Nottingham Trent University (UK)	Chemistry at the abiotic-biotic interface: from fundamentals to applications
9:45 – 10:05	<b>[CT-4] Monika Michaelis</b> University of Bremen (Germany)	Binding affinities of peptides to ZnO revealed by subsequent indicator assay and single molecule force spectroscopy
10:05 – 10:25	<b>[CT-5] Stefan Kilper</b> University of Stuttgart (Germany)	M13 bacteriophages as versatile bio-templates for functional hybrid materials
10:25 – 11:05	Coffee Break	
SESSION 4: Chair Sabine Eiben		

11:05 – 11:25	<b>[CT-6] Roger Castells-Graells</b> John Innes Centre (UK)	Studying dynamic virus-like particles for potential bionanotechnological applications
11:25 – 11:45	<b>[CT-7] Christophe Ritzenthaler</b> CNRS (France)	A versatile platform for the display and encaging of whole proteins
11:45 – 12:30	<b>[Invited talk 3]</b> <b>Steven Lommel</b> NC State University (USA)	Plant virus nanoparticles, a platform for delivery of medical & agricultural small molecules
12:30 – 13:30	Lunch	
<b>SESSION 5: Chair Sabine Laschat</b>		
13:30 – 13:50	<b>[CT-8] Sumati Bhatia</b> Freie Universität Berlin (Germany)	Polyglycerol based sialosides as efficient nanobiomaterials for influenza virus infection inhibition
13:50 – 14:10	<b>[CT-9] Ievgen Donskyi</b> Freie Universität Berlin (Germany)	Synthesis, characterization and inhibition studies of fullerene polyglycerol sulfates
14:10 – 14:55	<b>[Invited talk 4]</b> <b>Rainer Haag</b> Freie Universität Berlin (Germany)	Multivalent nanosystems as potent inhibitors for pathogens
14:55 – 15:25	Coffee break	
<b>SESSION 6: Chair Ingrid Weiss</b>		
15:25 – 16:10	<b>[Invited talk 5]</b> <b>Steve Weiner</b> Weizmann Institute of Science (Israel)	Biological strategies for forming mineralized hybrid materials
16:10 – 16:30	<b>Selected Poster Short Talks (5 min)</b> <b>Stefanie Sieste</b> , U Ulm <b>Nana Leonie Wenz</b> , U Stuttgart <b>Johanna Zessin</b> , Leibniz Inst. Dresden	Poster #38 Poster #40 Poster #43
16:30 – 18:00	<b>Poster session and mixer</b>	
18:00 – 22:00	Barbecue	

## Friday, June 30

<b>SESSION 7: Chair Alexander Southan</b>		
9:00 – 9:45	<b>[Invited talk 6]</b> <b>Qian Wang</b> University of South Carolina (USA)	Novel materials approaches for vascular repair and regeneration
9:45 – 10:05	<b>[CT-10] Christina Wege and Claudia Koch</b> University of Stuttgart (Germany)	Re-designed plant viral nanocarrier systems augmenting label-free biosensing
10:05 – 10:25	<b>[CT-11] Andreas Taubert</b> University of Potsdam	Surfaces and interfaces for calcium phosphate mineralization
10:25 – 11:05	Coffee break	
<b>SESSION 8: Chair Claudia Koch</b>		
11:05 – 11:25	<b>[CT-12] Massimo Delle Piane</b> University of Bremen (Germany)	Silica: both friend and foe. Simulation of its interaction with biomolecules through enhanced sampling methods
11:25 – 11:45	<b>[CT-13] Vanessa L. Albernaz</b> University of Stuttgart (Germany)	Synthesis of monodisperse nanoparticles with controlled surface functionalization using surfmer molecules
11:45 – 12:15	<b>NanoBioMater Team</b> Poster award ceremony	
12:00 – 12:15	<b>Sabine Laschat</b> Closing remarks	
12:15 – 13:30	Lunch	