

Tuesday, March 14

09:00	<i>Arrival</i>
09:20	<i>Welcome - Joachim Rädler</i>
09:30	Cees Dekker From pattern formation of cell-division proteins in shaped bacteria towards bottom up assembly of a synthetic divisome
10:05	Chenxiang Lin DNA-nanotechnology enabled membrane engineering
10:40	Coffee Break
11:00	Don Lamb (B03) DNA Origami and Zero-Mode Waveguides: Tools for investigating weak interactions at the single-molecule level
11:15	Ernst Wagner (B04) siRNA and microRNA nanoagents for manipulating tumor cells
11:30	Christof Mast (A04) Thermal gradients as sequence and chirality selective sorting machine for oligomers
11:45	Katherine Erlich (A01) Enzyme Networks By Design
12:00	Lunch
13:30	Nick Hud A Self-Assembly Approach to the Origins of RNA
14:05	Ard Louis Design and evolution of self-assembling systems
14:40	Theo Lohmüller (A08) Membrane Properties and Shape Transitions of Photolipid Vesicles
14:55	Poster Session with Coffee Break
16:50	Alexander Heckel Shedding Light on Nucleic Acids - and other molecules
17:25	Thomas Bein (B05) Switchable mesoporous nanoconstructs for controlling cell functions in space and time
17:40	Stefan Zahler (B08) Controlling cellular function by structured environments: "Artificial angiogenesis"
18:30	<i>Dinner</i>
20:00	<i>Evening: Informal Discussions</i>

Wednesday, March 15th

09:00	Peter Friedl Mechanics of cancer invasion in vitro and in vivo
09:35	Michael Sixt Adaptation of lamellipodial actin networks to mechanical load
10:10	Joachim Rädler (B01) Surface designs for the control of cell migration
10:25	Coffee Break
10:45	Jonas Denk (B02) The role of conformational switching in pattern forming protein systems
11:00	Simon Kretschmer (A09) Role of a conformational switch in protein pattern formation, investigated with cell-free reconstitution
11:15	Oliver Thorn-Seshold (B09) Spatiotemporal Control of the Cytoskeleton and of Lipid Membranes
11:30	Amelie Heuer-Jungemann (A06) 2 and 3 dimensional DNA origami lattices studied by SAXS and Superresolution Microscopy
11:45	Stefan Fischer (A07) DNA Origami studied by small angle X-ray scattering
12:00	Lunch
13:30	Marileen Dogterom Building minimal spindles in artificial confinement
14:05	Chase Broedersz (B12) Feeling the tension: cell-induced stresses in the extracellular matrix
14:20	Andreas Bausch (A10) Kinetically guided colloidal structure formation
14:35	Ulrich Gerland (A03) Compartmentalization and localization as biomolecular design strategies
14:50	Poster Session with Coffee Break
15:50	Enzo Kopperger (A02) Movement of a DNA Based Positioning Arm
16:05	Hanna Engelke (B11) Cell migration in 3D - controlled by the matrix fibers?
16:20	Sidney Becker (A05) RNA-amino acid hybrids as prebiotic nano-catalysts
16:35	Ralf Jungmann Barcoding with DNA-molecules
16:50	<i>SFB1032 Strategy Meeting</i>
18:00	<i>Departure</i>