IRTG Winter Workshop

November 30th, 2017

EHM Hotel Offenburg

IRTG SoMaS Soft Matter Science

09:00	**Arrival, Welcome Coffee**
09:30 – 9:40	**Günter Reiter, Jörg Baschnagel** *Opening remarks & Brief introduction of new IRTG student* **Liudmyla Klochko**
09:40 – 10:05	**Charchit Kumar** *Dynamic adhesion investigation of biological micro-structured surfaces: coupled with in-situ real contact visualization*
10:05 – 10:30	**Justine Wolf** *Membrane active peptides and liposomal complexes for nucleic acid delivery: Peptide - DNA interaction*
10:30 – 10:55	**Nayana Tusamda** *Biointeractions with 3-D microstructured surfaces*
10:55 – 11:15	**Coffee Break**
11:15 – 11:40	**Mélodie Galerne** *Spatially adressed supramolecular electropolymerization of triarylamines*
11:40 – 12:05	**Farzad Ramezani** *Contraction of polymer melts under tension*
12:05 – 12:30	**Swann Militzer** *Semiconducting organogels based on multiple hydrogen-bonded diketopyrrolopyrrole derivatives*
12:30 – 14:00	**Lunch Break**
14:00 – 14:25	**Dmytro Kushnir** *Influence of shear history and particle attractions on the relaxation dynamics from non-equilibrium states to metastable colloidal glassy states*
14:25 – 14:50	**Marcel Werner** *PFA-PEG particles: A colloidal model system for the investigation of phase diagrams of PEGylated drug carrier systems*
14:50 - 15:15	**Alexander Kozur** *Telechelics with thermoresponsive liquid-like behavior in polyethylene*
15:15 – 16:15	**Individual feedback in small groups**
16:15 – 16:30	**Coffee Break**
16:30 – 18:30	**Poster Session**
18:30	**Dinner & Get-together**

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Poster presentations (16:30 – 18:30)

Guillaume Fiers
Chemoselective synthesis and properties of sequence-defined poly(triazole-amide)s

Mona Talari
Tuning Polymer-protein interaction with salt

Sebastian Anders
Interactions between biosystems and 3D microstructured surfaces

Maryam Bahrami
Lubrication of surfaces through surface-attached hydrogels – Slippery when wet

Taras Sych
Investigation of the membrane reorganization during the uptake processes

Raisa Kociurzynski
Binding of viral capsid protein VP1 to its glycosphingolipid receptor GM1; a molecular dynamics study

Abhinja Das
Controlling structure formation of semi-crystalline polymers in quasi 2-dimensions

Matilde Eredia
Graphene exfoliation in the presence of semiconducting polymers for improved film homogeneity and electrical performances

Steffen Wiedmann
Thermoresponsive Polymer Ionic Liquids as Smart Materials