**Minisymposium**

**Polymers in Material Science**

**&**

**Biomedical Applications**

**Johannes-Gutenberg University Mainz**

**MPI for Polymer Research**

**SFB1066**

**Fraunhofer ICT-IMM**



**Date: 03/13/2015**

**Location: MPI for Polymer Research**

***Hermann-Staudinger Lecture Hall***

**Ackermannweg 10**

**D-55128 Mainz**

**Discussion Leader: Gerhard Wegner**

9:00 **Klaus Müllen**,MPI Polymer Research, Mainz
Graphene as 2D-Polymer

9:30 **Dieter Schlüter**, ETH Zürich
Synthetic 2D-Polymers

10:00 **Yongming Chen**, Sun Yat-Sen Univ., Guangzhou

Molecular Bottlebrushes:
Highly Efficient Synthesis and 2D-Assembly

***10:30 Coffee Break***

**Discussion Leader: Wolfgang Schärtl**

11:00 **Franziska Gröhn**, University Erlangen
Functional and Switchable and Polyelectrolyte
 Assemblies in Solution

11:30 **Klaus Huber**, University Paderborn
Coil Collapse and Precipitation of Polyelectrolyte -
Metal Complexes in Dilute Solution – Law of Mass
Action versus Stoichiometric Decoration of the Poly-
anions as Driving Force

12:00 **Patrice Castignolles**, Western Sydney Univ.
Capillary Eelectrophoresis of Polyelectrolytes

***12:30-14:00 Lunch***

**Discussion Leader: Walther Burchard**

14:00 **Chi Wu**, Chinese Univ. Hong Kong

 How Free Cationic Chains Promote Gene Transfection

14:30 **Michael Maskos**, Fraunhofer ICT-IMM,Mainz

Characterization of Nanoparticles and Nanosized

Assemblies in Solution: Full and Frank

15:00 **Stephan Förster**, Bayreuth University

Watching Polymers Assemble In-situ

***15:30 Coffee Break***

**Discussion Leader: Hyuk Yu**

16:00 **Paul Russo**, Georgia Tech, Atlanta

Coming Full Circle in Scattering from Solutions

16:30 **Ashutosh Chilkoti**, Duke University, Durham
Genetically Engineered Peptide Polymers
for Biomedical Applications

17:00 **Murrugappan Muthukumar**, UMASS, Amherst
Charge, Diffusion and Mobility of Polyelectrolytes