



1st Golm Workshop on Bioactive Surfaces

Fraunhofer IAP, big seminar room, Friday May 09th 2008

09:00-09:05 Welcoming – **Dr. habil. Hans-Peter Fink**, director of Fraunhofer IAP

09:05-09:15 Introduction – **Prof. Helmuth Möhwald** (MPIKG, interfaces)

Design and synthesis of bioactive surfaces

09:15-09:45 **Dr. Erik Wischerhoff** (Fraunhofer IAP)

Thermo-responsive poly(ethylene glycol) derivatives for bioactive coatings

9:45-10:15 **Dr. Hans Börner** (MPIKG, Colloids)

Bioactive Surfaces: Approaches to control functionalities and mechanics of surfaces

10:15-10:45 **Dr. Helmut Schlaad** (MPIKG, Colloids)

Thermo-responsive functional polyoxazolines

Theory and characterization of synthetic/biological interfaces

10:45-11:15 **Dr. Thomas Weikl** (MPIKG, Theory)

Binding cooperativity of membrane adhesion receptors

11:15-11:45 **Dr. Renate Müller** (MPIKG, Interfaces)

Measurement of interaction forces with AFM force spectroscopy

11:45-12:30 Lunch break at Fraunhofer IAP

12:30-12:50 **Dr. Gerald Brezezinski** (MPIKG, Interfaces)

Peptides and peptide-polymer conjugates at the air/water interface

12:50-13:10 **Dr. Gerald Reiter** (MPIKG, Interfaces)

FTIR-ATR spectroscopy of supported thin films: Applications

Cell-adhesion control

13:10-13:40 **Dr. Claus Duschl** (Fraunhofer IBMT)

Surface coatings with switchable properties for applications in cellular biotechnology

13:40-14:00 Future directions and challenges – **Prof. André Laschewsky** (Fraunhofer IAP)

14:00-14:30 General discussion

14:30 Adjourn