

**Collaborative Research Center 1112 and Integrated Research Training Group "Nanocarriers"**

**Current Developments of SFB 1112**

During the second part of Summer Term, SFB 1112 welcomed **Dr. Noel Elman** (MIT, Cambridge/U.S.A), **Prof. Dr. Wolfgang Parak** (Marburg University), and **Dr. Andrea Haase** (Federal Institute for Risk Assessment, BfR, Berlin) as guest speakers for fascinating talks in the frame of the SFB Colloquium and Special Seminars.

**Visiting Scientists**

Biotechnologist **Dr. Priscila Schilrreff** (Quilmes National University, Buenos Aires, Argentina) is at present staying with project C02 (Prof. Schäfer-Korting, Dr. Hedtrich) for a four-month DAAD-funded post-doctoral training. Dr. Schilrreff presented results from her doctoral research project on core-shell tecto-dendrimers at the well-attended SFB Colloquium on July 31, 2014. She is also taking part in a new guest-program offered by SFB 1112 with the aim of getting to know the SFB research network for further cooperations.

SFB 1112 also welcomes **Prof. Dr. Judith Klein-Seetharaman** (University of Warwick/UK). The chemist and biologist already spent a week in August with project B03 (Prof. Alexiev) and presented her extensive research on "Lipids sticking to droplets, proteins and carbon nanotubes" at the SFB Special Seminar on August 20, 2014. During the upcoming Winter Term 2014/15, she will return to Berlin to offer her expertise for further collaboration with SFB 1112.

**Gender Equality and Family-Friendly Academic Environment**



Photo: R. Hirschberg  
Visiting Scientist Prof. Klein-Seetharaman (right) and her daughter enjoying the child care support offered by SFB 1112 and KidsMobil-Service.

SFB 1112 grants child-care for scientists during SFB events and for unforeseeable needs. In addition to the parent-and-child-rooms available at all SFB institutions, we are also able to offer more flexible aid with a **mobile child care support box** and a **laptop computer** upon request from the SFB 1112 office. A new **workshop series on gender equality** with contributions from SFB's visiting scientists is planned for the upcoming Winter Term.

**IRTG "Nanocarriers"**

In Summer Term 2014, the IRTG performed the first **Disciplinary Forums** for each project area. These new classes were well received, with lively discussions on relevant methods and current results of SFB 1112. The organization of the upcoming **Student Symposium in October 2014** is well advanced. In a further step of **cooperation**, the IRTG students have invited external speakers from the cooperating **SFB 1066** (Mainz).

**Joint publications:**

Alnasif N, Zoschke C, Fleige E, Brodwolf R, Boreham A, **Rühl E**, Eckl KM, Merk HF, Hennies HC, **Alexiev U**, Haag R, **Küchler S**, Schäfer-Korting M 2014. Penetration of normal, damaged and diseased skin - An in vitro study on dendritic core-multishell nano-transporters. **J Control Release** 185: 45-50

Boreham A, Brodwolf R, Pfaff M, **Kim T-Y**, Schlieter T, **Mundhenk L**, **Gruber AD**, Gröger D, Licha K, Haag R, **Alexiev U** 2014. Temperature and environment dependent dynamic properties of a dendritic polyglycerol sulfate. **Polym Adv Technol**, epub ahead of print

**Ostrowski A**, Nordmeyer D, **Mundhenk L**, Fluhr JW, **Lademann J**, Graf C, **Rühl E**, **Gruber AD** 2014. AHAPS-functionalized silica nanoparticles do not modulate allergic contact dermatitis in mice. **J Nanoscale Res Lett** 9: 524 (epublication)

Prof. Dr. E. Rühl (Speaker), Dr. R. Hirschberg (Scientific Coordinator)

Freie Universität Berlin, Institute of Chemistry and Biochemistry, Physical and Theoretical Chemistry, Takustraße 3, 14195 Berlin, www.sfb1112.de