



PROGRAM

Date: 10th June 2016

Venue: Theoretical Lecture Hall, Faculty of Physics and Earth Sciences, Linnéstr. 5, 04103 Leipzig

09:00–09:10	Welcome
Talks of Doctoral Researchers and Guests	
09:10–09:30	Interactions of self-thermophoretic swimmers <u>Santiago Muiños Landin</u> , Andreas P. Bregulla, Frank Cichos
09:30–09:50	Fluidity and jamming in solid tumors Steffen Grosser, <u>Linda Oswald</u> , Steve Pawlizak, Anatol Fritsch, Josef A. Käs
09:50–10:10	Non-isothermal Brownian motion <u>Gianmaria Falasco</u> , Richard Pfaller, Andreas P. Bregulla, Frank Cichos, Klaus Kroy
10:10–10:30	Unravelling RecQ helicase mechanisms with single-molecule force and fluorescence spectroscopy <u>Felix Kemmerich</u> , Ralf Seidel
10:30–10:50	Break
10:50–11:10	Vinculins role on 3D cell motility <u>Tony Fischer</u> , Claudia Mierke
11:10–11:30	² H NMR investigations of ceramide subclasses in stratum corneum and their role in skin barrier function <u>Sören Stahlberg</u> , Alexander Vogel, Daniel Huster
11:30–11:50	Organisation of proteins and cells on microstructured metal surfaces <u>Astrid Weidt</u> , Stefan G. Mayr, Mareike Zink
11:50–12:10	Molecular order in semicrystalline PCL <u>Wilhelm Kossack</u> , Anne Seidnitz, Thomas Thurn-Albrecht, Friedrich Kremer
12:10–14:00	Poster Session and Lunch (Aula/Corridor)
14:00–14:20	Single DNA molecules and colloids in a thermophoretic trap <u>Tobias Thalheim</u> , Marco Braun, Andreas P. Bregulla, Frank Cichos
14:20–14:40	Cluster coarsening and aging during collapse of a polymer <u>Suman Majumder</u> , Wolfhard Janke
14:40–15:00	Rheology of DNA and actin networks Jörg Schnauß
15:00–15:20	Controllable synthesis of gold nanostructures using DNA origami molds <u>Seham Helmi</u> , Ralf Seidel
15:20–15:45	Break
Talks of PIs (Future Visions)	
15:45–16:00	Frank Cichos
16:00–16:15	Josef A. Käs
16:15–16:30	Wolfhard Janke
16:30–16:45	Ralf Seidel
16:45–17:00	Klaus Kroy
17:00–18:00	Poster Session (Corridor)
18:00	Barbecue