

SFB 1027 – 1st Retreat 24.-25. September 2013

Saarbrücken, Campus, C7 4

Workshop program



Monday, 23rd

14:00 -17:00 Lab-Tours (SB, Campus, E2 9, Foyer)
18:00- ... Young scientist get-together at Stiefel Brauhaus (SB, St. Johanner Markt)

Tuesday, 24th

09:00	Opening
09:10	A1 Marc Neef Cytoskeletal self-organization and cell signalling Alexander Dreher A phase field model for amoeboid cell crawling driven by cytoskeletal polarization waves
09:50	A2 Markus Hoth / Rouven Schoppmeyer Dynamics of T-cell polarization
10:30	Coffee break
11:00	A3 Heiko Rieger / Martin Peglow / Karsten Schwarz Theoretical aspects of T-cell polarization
11:40	A5 Peter Lipp Local cPKC-translocation as a mechanism for localized cell responses



10:50	Bio-inspired management of in situ biofilm formation on dental surfaces
11:30	B4 Jean-Baptiste Fleury / Ralf Seemann Microfluidic platform to study membrane properties: Transport, Organization, and Fusion of Membranes
12:10	Mitgliederversammlung
13:00	Lunch
14:20	C1 Albrecht Ott / Marc Schenkelberg Macromolecular binding to DNA: cooperative and information theoretical aspects of molecular specificity
15:00	Sascha Zickenrott / Pascal Giehr In vivo modeling of hydroxymethylation in mouse ES-cells
15:40	Coffee break
16:10	Volkhard Helms Molecular interactions and gene-regulatory networks driving gene expression and cell differentiation Mohamed Hamed Hematopoiesis and the possible regulatory role of pluripotency genes and imprinted genes
16:50	C5 Antonio Yarzagaray / Madhurima Dhara v-SNARE-based protein-lipid interactions in exocytosis

Thursday, 26th

10:00 – 12:00 Hands-on courses, Mini-Lectures