Sunday, October 5

18:00 - 19:30	Registration
19:00 -	Welcome banquet
	Monday, October 6
09:00 - 09:10	Opening by Jan-Michael Rost, Managing Director of the MPIPKS and the Organizers
09:10 - 09:30	Ewa Paluch (Max Planck Institute of Molecular Cell Biology and Genetics) Introduction
09:30 - 10:10	Lakshminarayanan Mahadevan (Harvard University) Aspects of cellular hydraulics
10:10 - 10:30	Amy Maddox (University of Montréal) Anillin is essential for proper membrane curvature during polar body extrusion
10:30 - 11:00	Coffee break
11:00 - 11:20	Alexis Gautreau (CNRS Gif-sur-Yvette) Membrane blebbing and assembly of the wave complex
11:20 - 12:00	Jean-François Joanny (Institut Curie) Instabilities of cortical actin layers: Oscillations and blebbing
12:00 - 12:20	Jonathon Howard (Max Planck Institute of Molecular Cell Biology and Genetics) The shapes of red blood cells - Influences of membrane bilayer asymmetry and the membrane skeleton
12:20 - 12:40	Jakub Sedzinski (Max Planck Institute of Molecular Cell Biology and Genetics) Blebs and cleavage furrow stability during cytokinesis
12:40 - 14:30	Lunch
14:30 - 15:10	Stephan Grill (Max Planck Institute for the Physics of Complex Systems) Cortical flows in the C. elegans zygote
15:10 - 15:30	Patricia Kunda (University College London) Regulation of the mitotic cell cortex during cell division and cancer progression
15:30 - 15:50	Sebastien Carreno (University of Montréal) $PiP(4,5)P_2$ regulates mitotic cortical dynamics through control of moesin activation
15:50 - 16:30	Coffee break
16:30 - 17:30	CELLMO08-Colloquium (public for all members of MPIPKS) Fred MacKintosh (Vrije Universiteit) Non-equilibrium mechanics and fluctuations in the cytoskeleton
17:40 - 19:00	Dinner
19:00 -	Poster session with beverages and snacks

Tuesday, October 7

09:00 - 09:40	Michael Sheetz (Columbia University) Lipid-cytoskeleton adhesion in preventing bleb formation
09:40 - 10:20	Robert Kay (MRC Laboratory of Molecular Biology) Blebbing and chemotaxis in Dictyostelium
10:20 - 10:40	Oliver Fackler (Universitätsklinikum Heidelberg) SH4-domain induced plasma membrane blebbing
10:40 - 11:00	Group photo (to be published on the workshop's web page) & Coffee break
11:00 - 11:20	Rhoda Hawkins (Université Pierre et Marie Curie) Cell migration in confined environments: From micro-channels to physical modelling
11:20 - 12:00	Thierry Soldati (University of Geneva) Mechanisms of blebbing motility: What do we learn from the amoeba?
12:00 - 12:40	Erik Sahai (Cancer Research UK, London) Amoeboid cancer cell motility
12:40 - 14:00	Lunch
14:00 - 14:40	Anne Ridley (King's College London) Regulation of leukocyte migration by Rho GTPases
14:40 - 15:20	Michael Olson (Beatson Institute for Cancer Research) The ROCK 1 kinase in apoptotic morphological responses
15:20 - 15:50	Coffee break
15:50 - 16:10	Anoop Cherian (Max Planck Institute for Biochemistry) Actin "worms", a novel three dimensional actin network
16:10 - 16:50	Tobias Baumgart (University of Pennsylvania) Sorting of proteins and lipids in membrane curvature and composition gradients
17:15	Leaving for the guided city tours and the conference dinner in the "Marcolini"

Wednesday, October 8

09:00 - 09:40	Guillaume Charras (University College London) Life and times of a cellular bleb
09:40 - 10:20	Guillaume Salbreux (Institut Curie) Hydrodynamics of cellular cortical flow and formation of contractile rings
10:20 - 10:40	Stefanie Redemann (Max Planck Institute for Molecular Cell Biology and Genetics) The role of the cortex for spindle positioning in C. elegans
10:40 - 11:00	Coffee break
11:00 - 11:40	Nathan Goehring (Max Planck Institute for Molecular Cell Biology and Genetics) Blebs, the cortex and PAR polarity in C. elegans embryos
11:40 - 12:20	Carl-Philipp Heisenberg (Max Planck Institute for Molecular Cell Biology and Genetics) Cell blebbing in development
12:20 - 12:30	Closing session
12:30 - 14:00	Lunch