

## Ringberg Workshop: Biomedical Micro/Nanosystems Engineering

Max Planck Schloss Ringberg, September 25 - 28, 2016

	Sunday 25th	Monday 26th	Tuesday 27th	Wednesday 28th
8:00	<b>Breakfast</b>			
9:00 - 9:40		<b>Claus-Michael Lehr</b> <i>Nanotherapeutics for overcoming epithelial and microbial barriers</i>	<b>Björn Hof</b> <i>Directed percolation transition to turbulence</i>	
9:40 - 10:20		<b>Ana Pego</b> <i>NanoBiomaterials for neurosciences: Challenging the neuronal barriers</i>	<b>Gareth McKinley</b> <i>Unverstanding and exploiting the shear and extensional rheology of saliva and mucin hydrogels</i>	Junior Talks
10:20	<b>Coffee Break</b>			
11:00 - 11:40		<b>Bernd Pichler</b> <i>t.b.a.</i>	<b>Carsten Sönnichsen</b> <i>Plasmonic nanoparticles as sensor for single molecules</i>	Junior Talks
11:40 - 12:20		<b>Mehmet Fatih Yanik</b> <i>t.b.a.</i>	<b>Luke P. Lee</b> <i>Innovative healthcare is in the palm of your hand</i>	Closing Discussions
12:30	<b>Lunch</b>			
14:00 - 14:40		<b>Paulo Arratia</b> <i>Swimming in complex fluids: Pullers &amp; pushers</i>	<b>Samuel Sánchez</b> <i>Hybrid nano- and micro-robotics for life sciences</i>	<i>D e p a r t u r e</i>
14:40 - 15:20		<b>Michael Shelley</b> <i>Self-assembly and collective bahavior in active micro-particle systems</i>	<b>Salvador Pané</b> <i>Magnetic and magnetoelectric unthered small-scale machines</i>	
15:20 - 16:00		<b>Peer Fischer</b> <i>New nano- and microswimmers: Fabrication, rheology and applications</i>	<b>Pierre Dupont</b> <i>MR-powered biomedical robots</i>	
16:00	<b>Coffee Break</b>			
16:40 - 17:20	<i>A r r i v a l</i>	<b>Taher Saif</b> <i>Engineered living machines</i>	<b>Metin Sitti</b> <i>Bacteria-driven microswimmers and magnetic soft milli/microrobots</i>	
17:20 - 18:00	Registration and Get-together	<b>Adam Feinberg</b> <i>Engineering of 3D human muscle: towards bio-hybrid soft robotics and regenerative technologies</i>	<b>Utkan Demirci</b> <i>Label-free magnetic levitation technologies for monitoring health and disease</i>	
18:30	<b>Dinner</b>			
20:00 - 21:00		Poster Session	Poster Session	