

Physics of Evolution, Regulation and Signaling – Programme of Talks

Monday 10th February		Tuesday 11th February		Wednesday 12th February	
8.30-9.00	Registration				
9.00-9.45	Gašper Tkačik A bit of difference in gene regulation	9.00-9.45	Erik van Nimwegen Benefits of an erratic boss: Gene expression noise facilitates the evolution of gene regulatory interactions	9.00-9.45	Roland Wedlich-Söldner Principles of cell polarization - yeast as model for modeling
9.45-10.00	Discussion	9.45-10.00	Discussion	9.45-10.00	Discussion
10.00-10.45	Vincent Hakim Collective modes and fluctuations in confined cell assemblies	10.00-10.45	Mogens Høgh Jensen Vorticity Patterns in Tissues induced by Cell Divisions	10.00-10.45	Madeleine Opitz Chemical warfare and survival strategies in bacterial range expansions
10.45-11.00	Discussion	10.45-11.00	Discussion	10.45-11.00	Discussion
11.00-11.30	Coffee Break	11.00-11.30	Coffee Break	11.00-11.15	Coffee Break
11.30-12.15	Thierry Mora Inferring the statistical mechanics of flocking	11.30-12.15	Martin Howard How cells get to be the right size and put things at the right place inside them	11.15-12.00	Stefan Klump Aspects of bacterial persistence
12.15-12.30	Discussion	12.15-12.30	Discussion	12.00-12.15	Discussion
12.30-14.00	Lunch Break	12:30-14.00	Lunch Break	12.15-13.00	Sander Tans Stochasticity in cellular growth
				13.00-13.15	Discussion
				13.15	Close
14.00-14.45	Terence Hwa On catabolite repression and hierarchical carbon usage	14.00-14.45	Aleksandra Walczak Selection in immune receptor repertoires		
14.45-15.00	Discussion	14.45-15.00	Discussion		
15.00-15.45	Berenike Maier Hypermutable loci affect the spatio-temporal dynamics in bacterial colonies	15.00-15.45	Richard Neher HIV evolution and population genetics of rapid adaptation		
15.45-16.00	Discussion	15.45-16.00	Discussion		
16.00-16.30	Coffee Break	16.00-16.30	Coffee Break		
16.30-17.15	Wolfram Möbius Spatial expansions of microorganisms in heterogeneous environments	16.30-17.15	Benedikt Obermayer Evolutionary correlations in the microRNA regulatory network		
17.15-17.30	Discussion	17.15-17.30	Discussion		
17.30-18.15	Pieter Rein ten Wolde Fundamental limits to the precision of chemical sensing	17.30-18.15	Sorin Tănase-Nicola Mutation accumulation in variable environments		
18.15-18.30	Discussion	18.15-18.30	Discussion		
18.30-...	Poster session	18.30-19.15	Erik Aurell Whole genome mapping of 5' ends in bacteria by tagged sequencing		
		19.15-19.30	Discussion		
		20.00-...	Conference dinner		