Program

Hour	Sunday 3	Monday 4	Tuesday 5	Wednesday 6	Thursday 7	Friday 8	Saturday 9
09:00 - 10:00		J. Clairambault (INRIA, France) Physiologically structured PDE models of proliferation in cell populations to optimise anticancer treatments	U. Ascher (Vancouver, Canada) Stochastic algorithms for inverse problems involving PDEs and many measurements.	N. Vauchelet (Paris, France) Bacteria motion by chemotaxis : kinetic and macroscopic limits.	C. Mocenni (Siena, Italy) Effect of rough boundaries and internal noise in reaction-diffusion equations.	G. Sallet (Metz, France) Stable introduction of Wolbachia infection into the mosquito Aedes aegypti	Round Table
10:00 - 11:00		A. Marciniak (Heidelberg, Germany) Structured population model of fitness selection during cell differentiation	S. Siltanen (Helsinki, Finland) Electrical impedance tomography using nonlinear Fourier transform	G. Raoul (Cambridge, UK) PDE methods to study evolution in spatially structured populations	P. Degond (Toulousse, France) Phase transition and hysteresis in alignment dynamics of self- propelled Particles	M.Souza (UFF, Brazil) Multiscale tales in epidemiology	Round Table
11:00 - 11:30		Break					
11:30 - 12:30		S. Mirrahimi (Paris, France) Spatial sorting and evolution in a structured population model	C. Turner (Cordoba, Argentina) Adjoint method for a tumour growth PDE-constrained optimization problem		D. Oelz (Vienna, Austria) A viscous two-phase model for contractile actomyosin bundles	N. Stollenwek (Lisboa, Portugal) Modelling and model evaluation on empirical data in epidemiology: dynamic noise, chaos and predictability	
12:30 - 15:00		Lunch			Lunch		
15:00 - 16:00		P. Amster (Buenos Aires, Argentina) Existence of periodic solutions in some population dynamics models	M.Thieullen (Paris, France) On a family of models occuring in mathematical modelling for biology. Examples in neuroscience		J. Mitchell (Wisconsin, USA) Density-cluster NMA: A new protein decomposition technique for coarsegrained normal mode analysis	N. Meunier (Paris, France) Mathematical and numerical modeling of early atherosclerotic lesions	
16:00 - 16:30		Break		Social Program	Break		
16:30 - 17:30	Registration	M. R. D´Orsogna (Northridge, California) Stochastic Nucleation in Biology	E. Tanre (Inria, France) Global solvability of a network of integrate-and-fire neurons of McKean-Vlasov type		Contributed	S. Benzekry (Bordeaux, France) Mathematical modeling of systemic inhibition of angiogenesis and tumortumor interactions in metastatic cancers	
17:30 - 19:30		Poster	Poster		Poster	Jair Koiller (FGV-RJ, Brazil) Reproduction in a Randomly Varying Environment: Lyapunov exponents	