## Biomat 2014:

## Complexity and Emergence in Social and Biological System

## Lectures

(Maryland University, USA)

Tomás ALARCÓN (CRM, Barcelona, Spain)	Stochastic multiscale models of competition between cellular populations
Nicola BELLOMO (Politecnico di Torino, Italy)	Crowd dynamics
Hans MEINHARDT (Max Planck Institute, Germany)	<ol> <li>Biological pattern formation: local self-enhancement and long range inhibition as the dr</li> <li>Models for regeneration: reconciling pattern formation and growth</li> <li>If patters destabilize themselves: generation of highly dynamic patterns by self-quenching patterns</li> </ol>
Philip MAINI (Oxford University, United Kingdom)	T.B.A.
Jorge PACHECO (Universidade do Minho, Portugal)	Climate Change: Governance, Cooperation and Self-organization
Eitan TADMOR	Flocking and consensus in collective dynamics  1. Agent-based models

2. Kinetic and hydrodynamic descriptions