

MATHEMATICAL BIOLOGY SESSION
In the frame of the 9th ICOR
February 19 and February 22-23 , 2010
La Habana, Cuba

Friday, February 19

Location : Universidad de La Habana, Salón 250, Edificio Jose E. VARONA		
9:00-9:15	Welcome by the organizers	
Chair : Benoit PERTHAME		
Time	Speaker	Talk's title
9:15-10:00	Thomas HILLEN	<i>Cell movement in network tissue</i>
10:00-10:45	Pierre-Emmanuel JABIN	<i>Selection-mutation dynamics for the evolution of traits in a population</i>
Coffe break		
Chair : José Antonio CARRILLO		
11:15-12:00	Christian SCHMEISER	<i>Nonlinear friction in the cytoskeleton as a macroscopic limit of the activity of cytoskeletal proteins</i>
12:00-12:45	Maria Rita D'ORSOGNA	<i>Modelling viral entry dynamics</i>
Lunch		
Chair : Marc THIRIET		
14:15-15:00	Davide AMBROSI	<i>The electromechanical coupling in cardiac mechanics</i>
15:00-15:45	Laurent DUMAS	<i>A numerical simulation of the human arterial network based on non invasive measurements</i>
Coffe break		
16:15-17:00	Sébastien MARTIN	<i>Modelling of air flows and gas exchange in the human lung</i>

Monday, February 22

Location : Universidad de La Habana, Salón 250, Edificio Jose E. VARONA		
Chair : Christian SCHMEISER		
Time	Speaker	Talk's title
9:00-9:45	Vincent CALVEZ	<i>The geometry of one-dimensional self-attracting particles</i>
9:45-10:30	Klemens FELLNER	<i>Stability of stationary states of non-local evolution equations</i>
Coffe break		
Chair : Thomas HILLEN		
11:00-11:45	Marie DOUMIC	<i>Aggregation/fragmentation models for protein polymerization</i>
11:45-12:30	Gael RAOUL	<i>Kimura's model : an integro-differential model to study evolution</i>
Lunch		

Opening Plenary Lecture of the 9th ICOR at Aula Magna, Universidad de La Habana		
15:00-16:00	Pierre-Louis LIONS	<i>An introduction to Mean Field Games</i>

Tuesday, February 23

Location : Hotel Parque Central, Habana Vieja – Centro Habana		
Chair : Maria Rita D'ORSOGNA		
Time	Speaker	Talk's title
10:30-11:10	Julie MITCHELL	<i>Using clustering and optimization in flexible protein docking</i>
11:10-11:50	Alexandre VIDAL	<i>A model of the Gonadotropin Releasing Hormone secretion by hypothalamic neuron clusters</i>
11:50-12:30	Nicolas MEUNIER	<i>Analysis of self-organization systems for cell polaritazion</i>