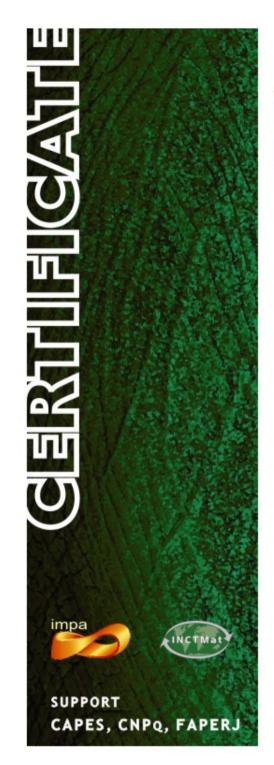


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Alexandre Ferreira Ramos*, USP - Escola de Artes, Ciências e Humanidades, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Noise reduction by coupling of stochastic processes and canalization in biology

Cabo Frio, March 9, 2013.

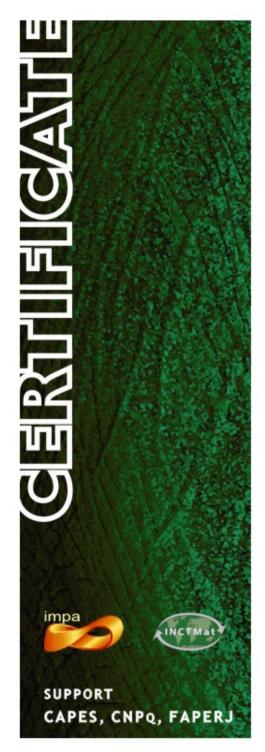


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Anna Marciniak-Czochra*, Universität Heidelberg, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Structured population model of tness selection during cell di erentiation

Cabo Frio, March 9, 2013.

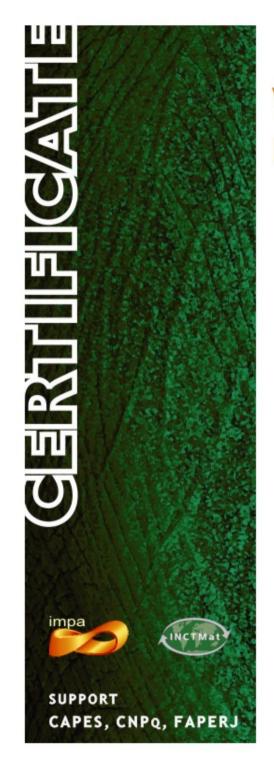


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Bonansea Thieullen*, Université Paris VI, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: On a family of Markov Models Occuring in Biology. Examples in Neuroscience.

Cabo Frio, March 9, 2013.

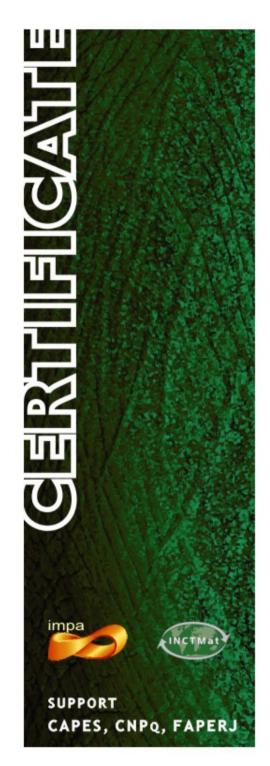


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Chiara Mocenni*, **University of Siena**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Effect of oscillating boundaries and internal noise on reaction-diffusion equations**

Cabo Frio, March 9, 2013.

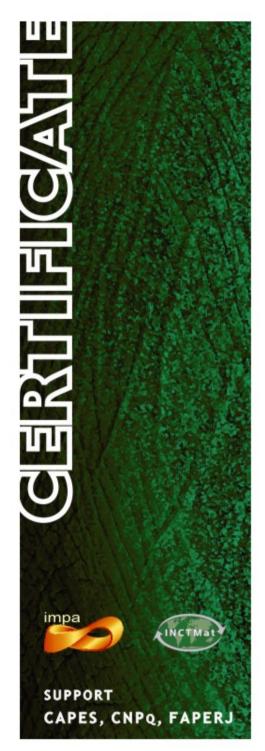


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Cristina Vilma Turner*, Universidade Nacional de Cordoba - Famaf, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Adjoint method for a tumour growth PDE-constrained optimization problem

Cabo Frio, March 9, 2013.



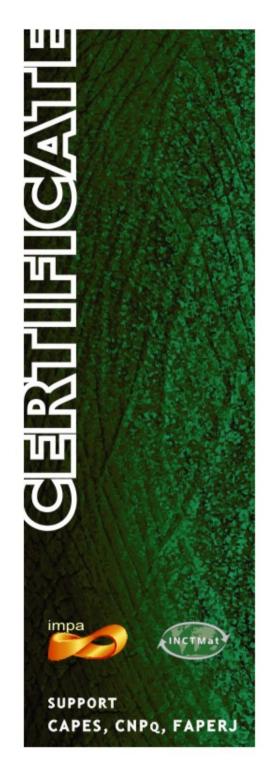
March 3rd to 9th, 2013 ematical methods and

workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Degond*, *Pierre*, **CNRS**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Phase transition and hysteresis in alignment dynamics of self-propelled particles**

Cabo Frio, March 9, 2013.

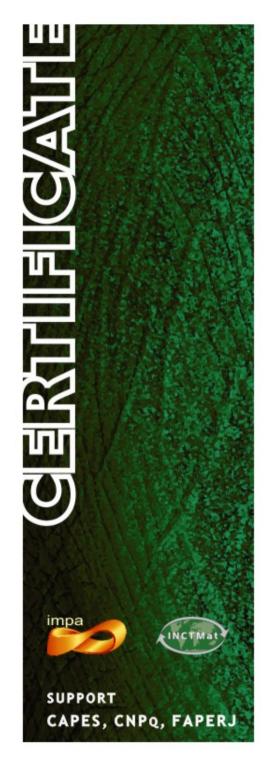


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Dietmar*, *Oelz*, Johann Radon Inst. for Comp.Appl.Math. Austrian AC.Sciences, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: A viscous two-phase model for contractile actomyosin bundles.

Cabo Frio, March 9, 2013.

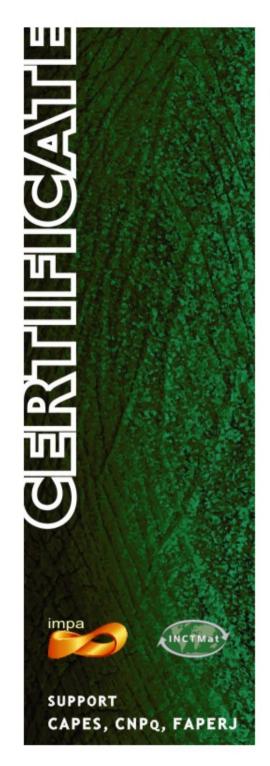


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Etienne Tanré*, Institut National de Recherche en Informatique et en Automatique, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Global solvability of a network of integrate-and-fire neurons. of McKean-Vlasov type

Cabo Frio, March 9, 2013.

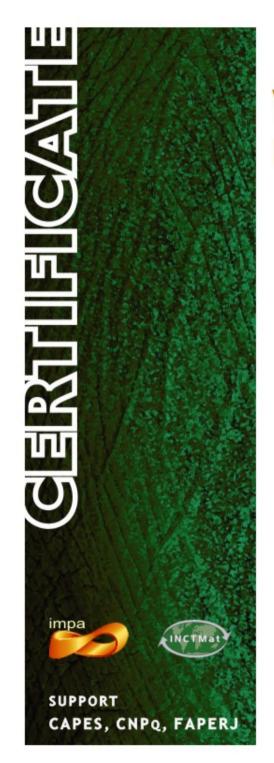


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Farbod Roosta-Khorasani*, Univ. of British Columbia, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Data completion and stochastic algorithms for PDE inversion problems with many measurements

Cabo Frio, March 9, 2013.

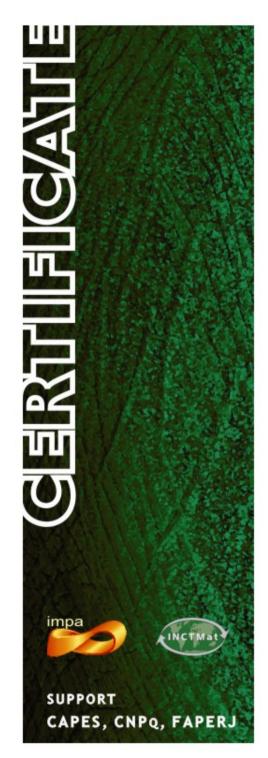


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Gaël Raoul*, **CNRS**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **PDEmethods to study evolution in spatially structured populations**

Cabo Frio, March 9, 2013.



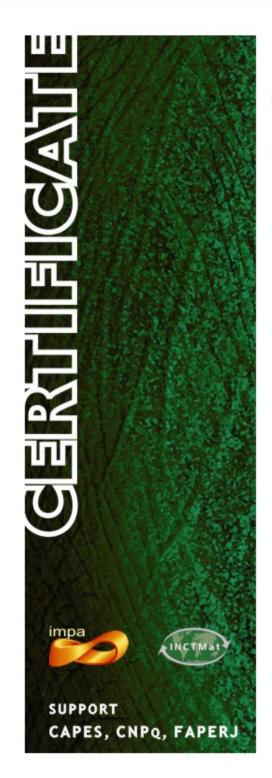
March 3rd to 9th, 2013

workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Gauthier Sallet*, Institut National de Recherche en Informatique et en Automatique, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: mathematical analysis of wolbachia for Dengue control

Cabo Frio, March 9, 2013.

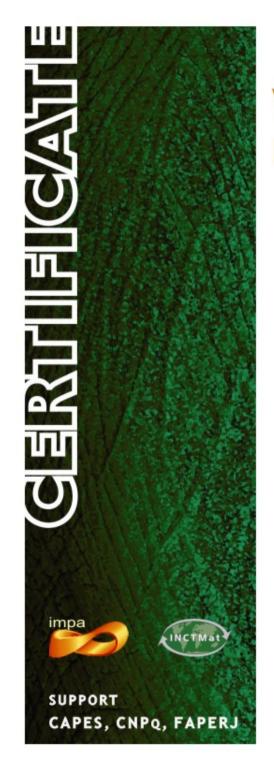


March 3rd to 9th, 2013 workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Jean Clairambault*, Institut National de Recherche en Informatique et en Automatique, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Combined anticancer drug delivery optimisation using physiologically structured cell population models

Cabo Frio, March 9, 2013.



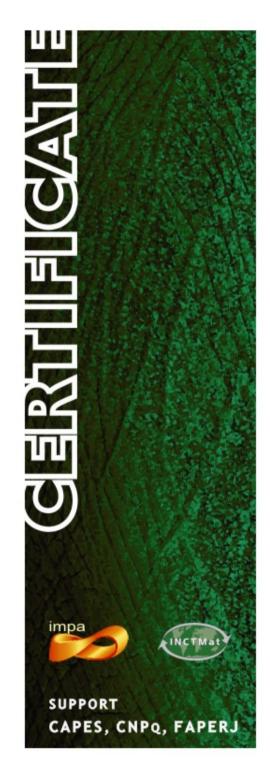
workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Julie Mitchell*, **University of Wisconsin - Madison**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work:

Density Cluster NMA: Protein Decomposition for Normal Mode Analysis

Cabo Frio, March 9, 2013.

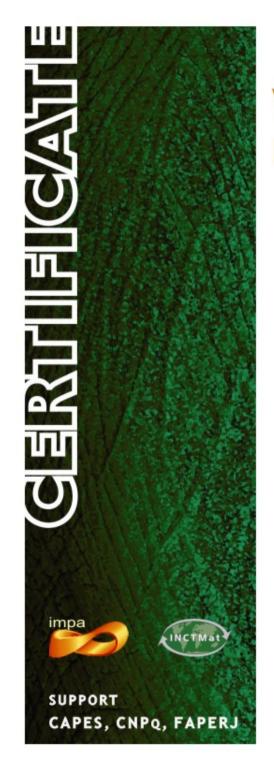


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Lucas M. Barberis*, Consejo Nacional de Investigaciones Cientificas y Tecnicas, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Description of Tumor Growth by Vectorial Universalities**

Cabo Frio, March 9, 2013.

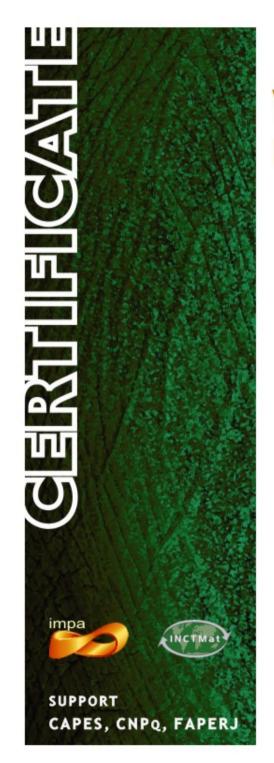


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Maria Rita D'Orsogna*, California State University Northridge, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Stochastic nucleation in biology

Cabo Frio, March 9, 2013.

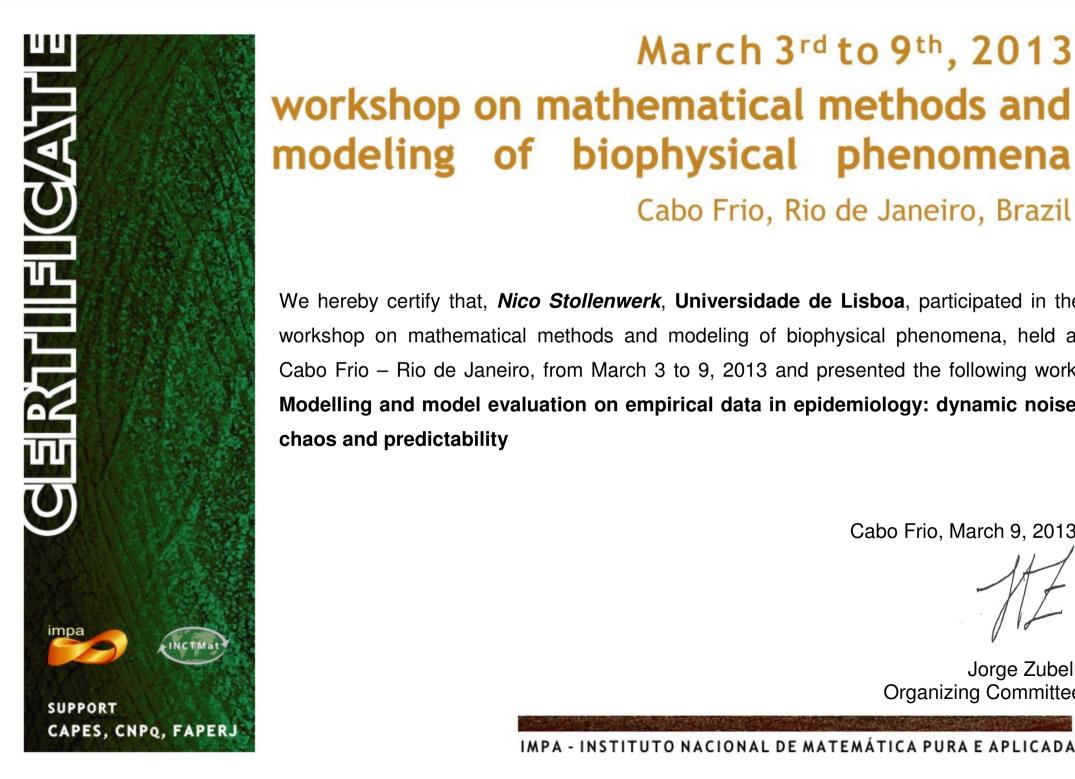


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Max Oliveira de Souza*, Universidade Federal Fluminense, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Multiscale tales in epidemiology**

Cabo Frio, March 9, 2013.



March 3rd to 9th, 2013 workshop on mathematical methods and

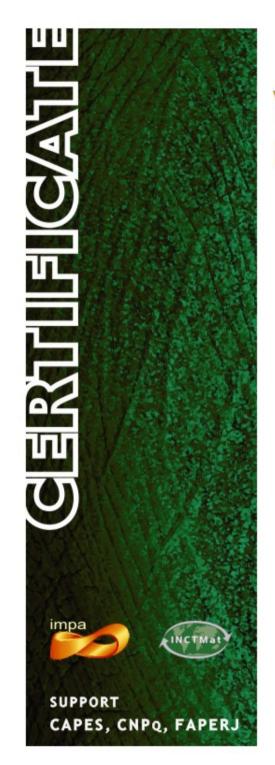
Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Nico Stollenwerk*, **Universidade de Lisboa**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Modelling and model evaluation on empirical data in epidemiology: dynamic noise, chaos and predictability

Cabo Frio, March 9, 2013.

Jorge Zubelli Organizing Committee

IMPA - INSTITUTO NACIONAL DE MATEMÁTICA PURA E APLICADA

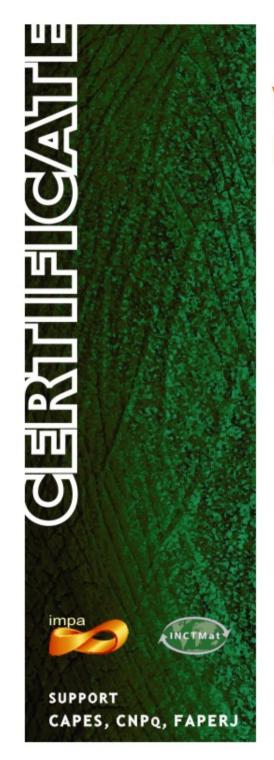


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Nicolas Meunier*, **Université Paris Descartes**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Diffusion with local activation**

Cabo Frio, March 9, 2013.



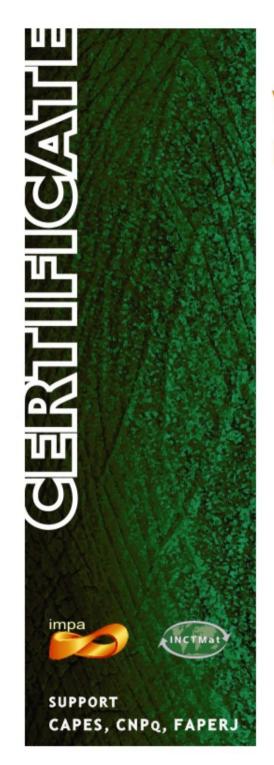
workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Nicolas Vauchelet*, **Université Paris VI**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work:

Bacteria motion by chemotaxis: kinetic and macroscopic limits

Cabo Frio, March 9, 2013.

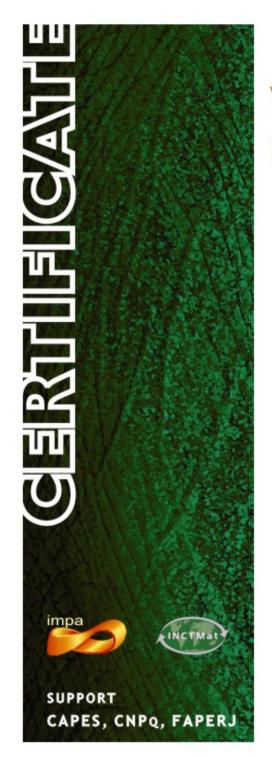


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Pablo Amster*, **Universidad de Buenos Aires**, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Existence of periodic solutions in some population dynamics models**

Cabo Frio, March 9, 2013.

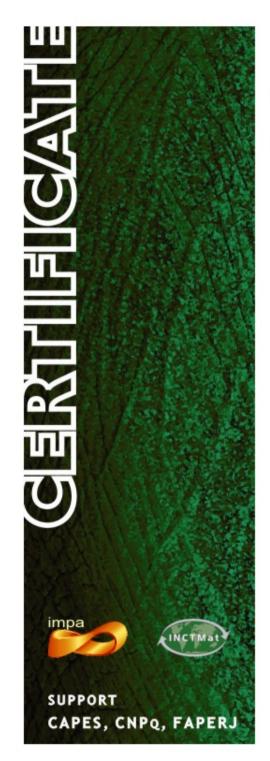


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Samuli Siltanen*, Helsinki University, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Electrical impedance tomography based on nonlinear Fourier transform

Cabo Frio, March 9, 2013.



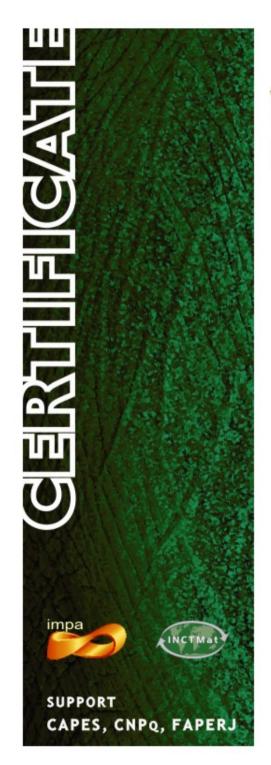
March 3rd to 9th, 2013 ematical methods and

workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Sébastien Benzekry*, Institut National de Recherche en Informatique et en Automatique, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Mathematical modeling of systemic inhibition of angiogenesis and tumor-tumor interactions in metastatic cancers

Cabo Frio, March 9, 2013.

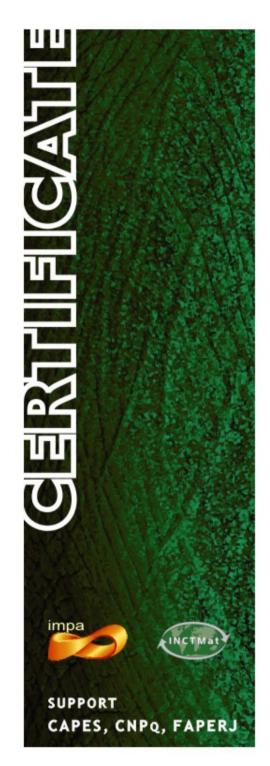


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Sepideh Mirrahimi*, CNRS, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: **Spatial sorting and evolution in a structured population model**

Cabo Frio, March 9, 2013.

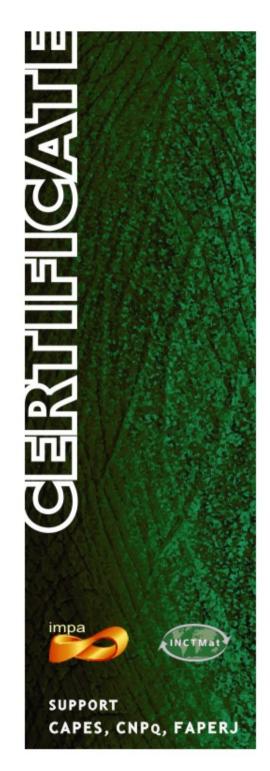


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Stefanella Boatto*, Universidade Federal do Rio de Janeiro, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: SIRNetwork: a Toy Model for Epidemics Dynamics.Homogeneous versus Heterogeneous Network Structure

Cabo Frio, March 9, 2013.



workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Uri Ascher*, Univ. of British Columbia, participated in the workshop on mathematical methods and modeling of biophysical phenomena, held at Cabo Frio – Rio de Janeiro, from March 3 to 9, 2013 and presented the following work: Stochastic algorithms for inverse problems involving PDEs and many measurements

Cabo Frio, March 9, 2013.