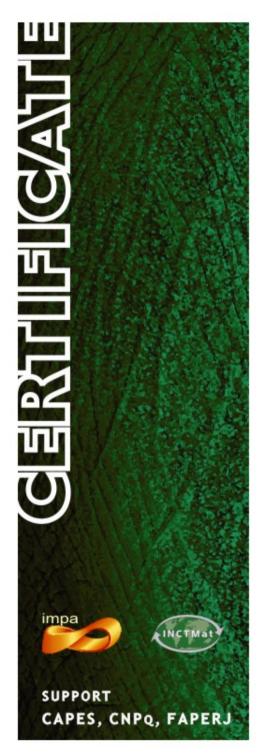


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Andres Quiroga*, 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: **Parameter estimation in model of cancer invasion**

Cabo Frio, March 9, 2013.

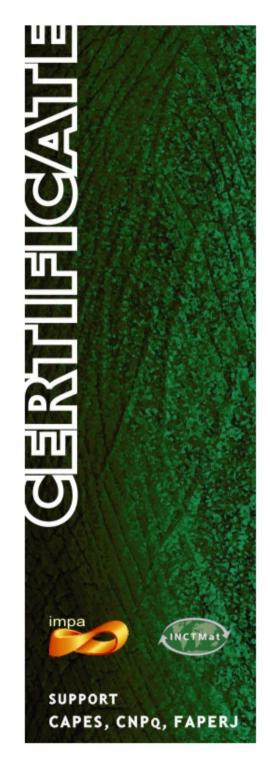


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Angelo Mondaini Calvão*, 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: **Emergence of Spatial Patterns in Biology**

Cabo Frio, March 9, 2013.

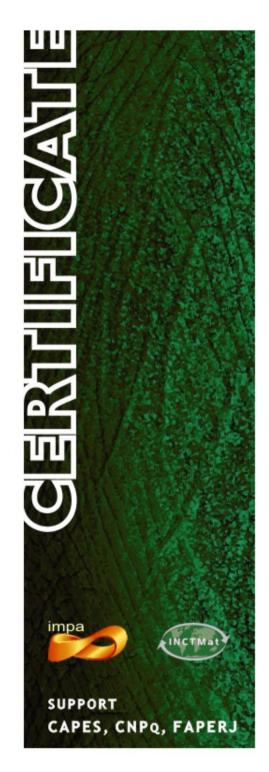


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Carlos E. Olivares Rodriguez*, Pontificia Universidade Católica 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: Diffusion approach to protein folding for different sequences

Cabo Frio, March 9, 2013.

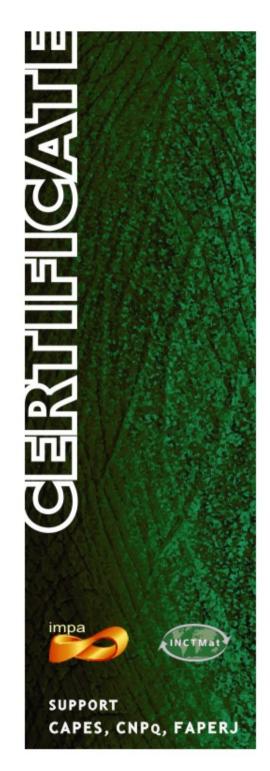


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Crysttian Arantes Paixão*, Fundação Getúlio Vargas, 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: Scaling the computation of matrix population models with bitstrings

Cabo Frio, March 9, 2013.

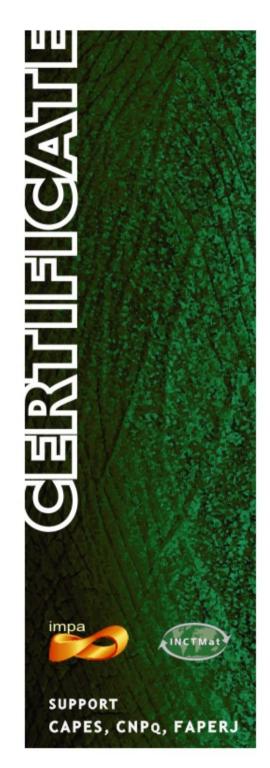


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Daniela Polessa Paula*, 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: **Preditores para malignidade positiva em tumores de mama**

Cabo Frio, March 9, 2013.

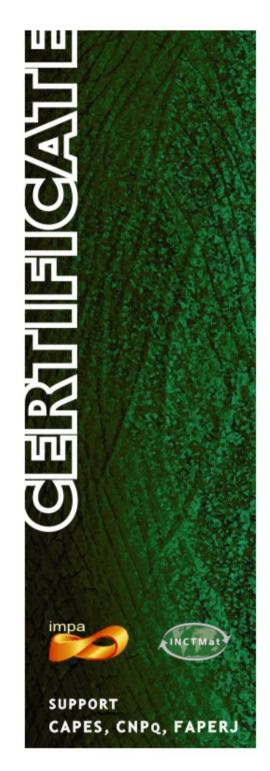


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Dyuliano Souza Soares*, Universidade Federal Rural 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: **Preditotes para malignidade positiva em tumores de mama**

Cabo Frio, March 9, 2013.

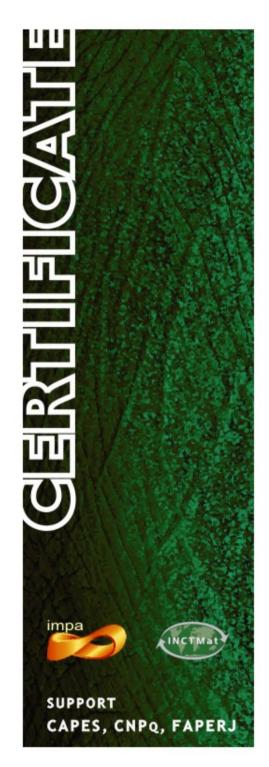


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Eduardo Henrique Filizzola Colombo*, Pontifícia Universidade Católica 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: Effects of nonlinear diffusion on population spatial patterns

Cabo Frio, March 9, 2013.

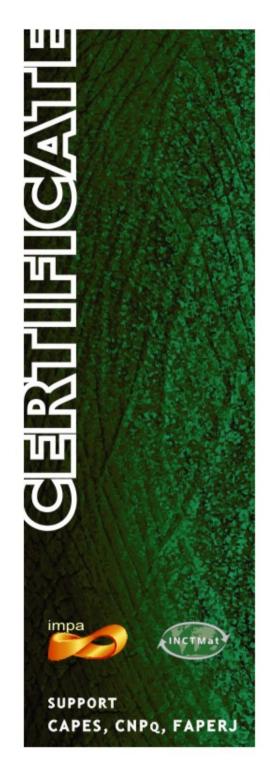


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Harald Martens*, Norwegian University of Life 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: What does my model really do, - how can I improve it and speed it up, - what are its best parameter values, and how sure can I be about all of this?

Cabo Frio, March 9, 2013.

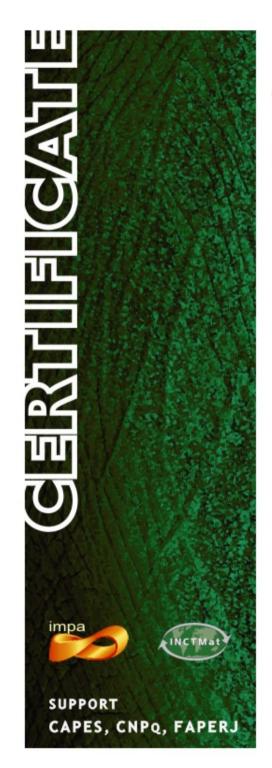


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Leonardo de Medeiros Maier*, Hospital Municipal Rocha Maia, 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: Determination of stradiol 7-β bioavailable with Södergard algorithm and the role of complex number as a result in diagnostics

Cabo Frio, March 9, 2013.

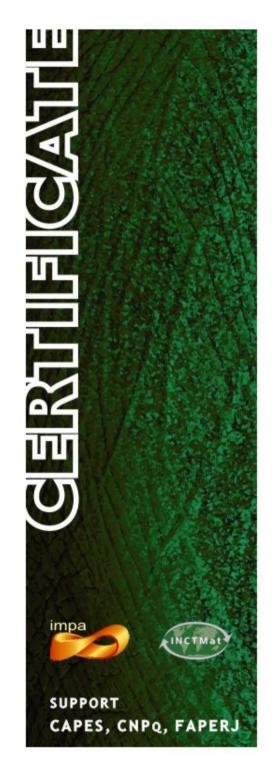


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Mainá Bitar Lourenço*, 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: A Multistep Approach for the Identification and Classification of ncRNAs: Trypanosoma cruzi as a case study

Cabo Frio, March 9, 2013.

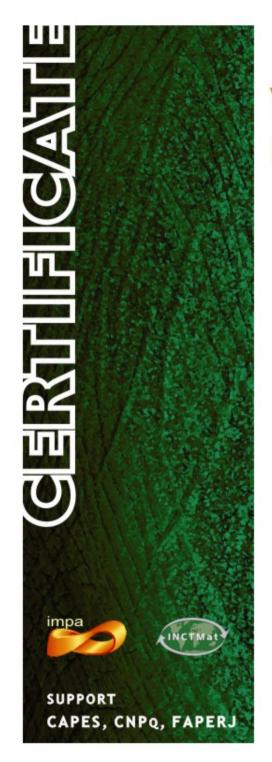


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Marlon Ferreira Ramos*, Pontificia Universidade Católica 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: **Dynamics of information spreading in heterogeneous populations**

Cabo Frio, March 9, 2013.

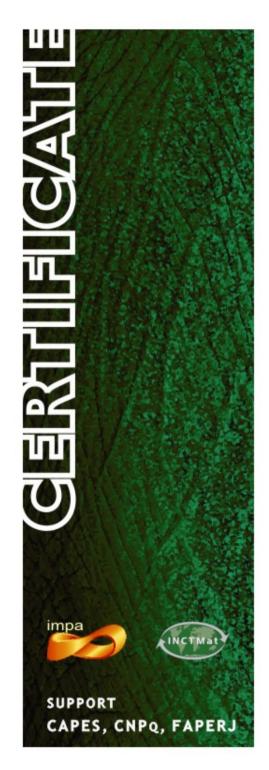


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Nara Bobko*, **Instituto de Matematica Pura e Aplicada**, 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: **Lyapunov Stability for a Model of the HIV Dynamics**

Cabo Frio, March 9, 2013.

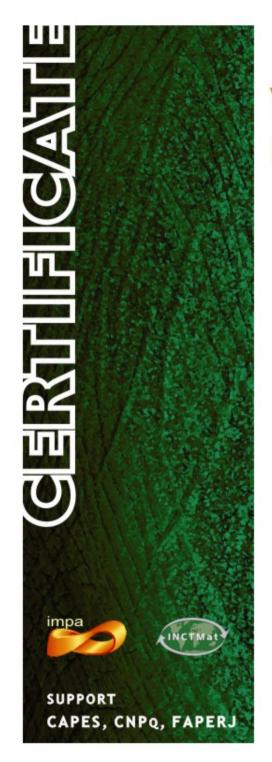


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Nuno Miguel Melo Crokidakis Peregrino*, **Pontifícia Universidade Católica 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: **Dynamics of epidemic spreading in adaptive networks with household structure**

Cabo Frio, March 9, 2013.

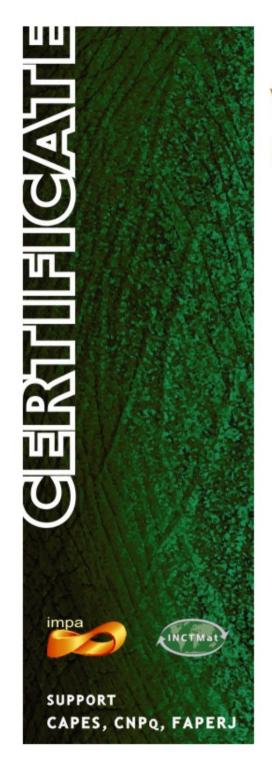


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Paulo Roberto de Souza Motta*, 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: Interferência Topológica em Circuitos Genéticos

Cabo Frio, March 9, 2013.

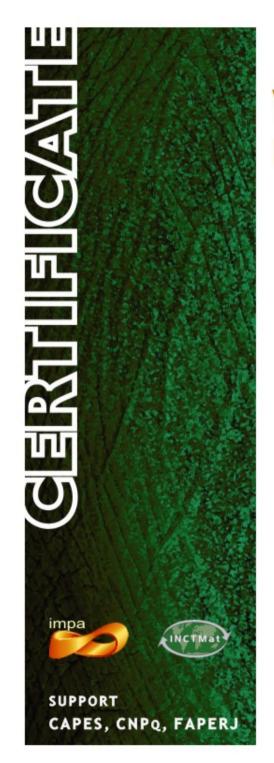


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Pedro Telles Melo Baptista*, Fundação Getúlio Vargas, 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: **Biofinance: Hedging strategies in biology**

Cabo Frio, March 9, 2013.

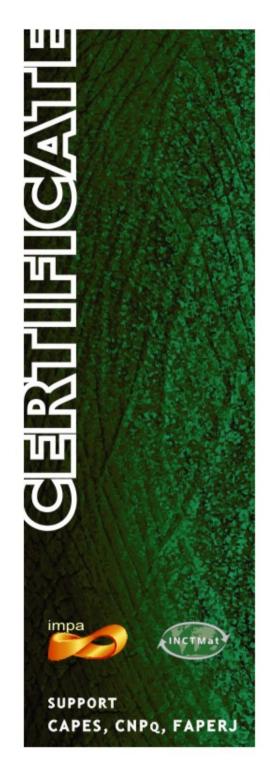


workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Shirlene Vega*, 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: A Way to Protect Against Chagas Disease

Cabo Frio, March 9, 2013.



workshop on mathematical methods and modeling of biophysical phenomena

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, *Victor Rafael Cabanillas Zannini*, Universidad de Lima, 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: **Approximate and null controllability on thepropagation of a species problem**

Cabo Frio, March 9, 2013.