

March 3rd to 9th, 2013

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.



Jorge Zubelli
Organizing Committee



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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.



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

Cabo Frio, March 9, 2013.

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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.



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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.



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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.

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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.

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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.



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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 estradiol 7- β -bioavailable with Södergard algorithm and the role of complex number as a result in diagnostics**

Cabo Frio, March 9, 2013.



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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.



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We hereby certify that, **Marlon Ferreira Ramos**, **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 information spreading in heterogeneous populations**

Cabo Frio, March 9, 2013.



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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.



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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.



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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**

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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.



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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**

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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 the propagation of a species problem**

Cabo Frio, March 9, 2013.



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