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on Mathematical and
Computational Biology
BIOMAT 2005**

R. MONDAINI, R. DILÃO
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Preface

This is the preface of the Proceedings of the 2005 International Symposium on Mathematical and Computational Biology – BIOMAT 2005 – which was held at the city of Petrópolis, state of Rio de Janeiro, Brazil, from 3rd to 8th December 2005, together with the Fifth Brazilian Symposium on Mathematical and Computational Biology. As a rule, we had participants and contributors from many parts of the world as well as from almost all the Brazilian states. The atmosphere of interdisciplinary work as driven by the expertise of our fifteen keynote speakers corresponds to the fundamental aims of the conference. The testimony of the participants as the high level of the plenary talks is concerned is one of our rewards for well done coordination work. We think that we have given once more a proof of the advantages of organizing a multidisciplinary symposium which is usually centered in the modelling of biological themes of research. The next symposia will be always open to contributions of researchers of several professional formations. This is the central characteristic of the BIOMAT symposia.

We are glad to our sponsors for their generous contributions. To the Brazilian agencies, CAPES and FINEP and their Board of Referees. With this support they have shown their acquaintance with the scientific importance of the BIOMAT symposia – a series of interdisciplinary conferences already traditional by their aims and realizations. To CENPES-PETROBRAS – The Research Center of the Brazilian Oil Company – the world leader of research in deep sea water. The Fogarty International Center, Harvard Medical School, USA, for the grant n^o #1 D43 TW7015-01. We are also glad to directors and representatives of these institutions. To Dr. Geova Parente from CAPES; Dr. Henrique A. C. Santos, Dr. Gina Vasquez and Miss Raquel Prata from CENPES-PETROBRAS; Prof. Eduardo Massad, Dr. Lucila Ohno-Machado, Dr. Heimar Marin and Dr. Eduardo P. Marques from the Harvard Medical School.

We thank Prof. M. A. Raupp, Director of the National Laboratory of Scientific Computing – LNCC, at Petrópolis, by

his invitation to the BIOMAT Consortium of choosing the LNCC as the host institution of the BIOMAT 2005 International Symposium. To the members of Local Organizing Committee, Dr. Maurício V. Kritz, Dr. Luiz Bevilacqua and Dr. Marcelo T. Santos for their collaboration in the general organization of the conference and their support in the social program with excursions to beautiful historic places of Petrópolis – the summer residence of the second brazilian Emperor D. Pedro II.

On behalf of the Scientific Program Committee and the Editorial Board of the BIOMAT Consortium, we send greetings to all the participants, authors and their collaborators and we take this opportunity to invite young scientists to participate in this enthusiastic adventure of working in the promising field of Mathematical and Computational Biology.

Rio de Janeiro, December 2005

R. P. Mondaini

R. M. Dilão.

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