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PREFACE

This volume documents the outcome of the second TICSP Workshop on Computational Systems Biology held in Helsinki, St. Petersburg, and onboard Silja Opera 14.-16.6.2004. The workshop was discrete models and it included several lectures given by established Finnish and international experts. The students were required to give poster presentations based on their ongoing research, or alternatively a 20 minute oral presentation lecture. Most of the participating students are working in the Computational Systems Biology research group at Institute of Signal Processing in Tampere University of Technology. Abstracts of the lectures and 2 page abstracts of the poster presentations are included here.

We want to take this opportunity to thank the students for their enthusiastic effort and initiative, and the visiting lecturers: Prof. Ilya Shmulevich and Prof. Wei Zhang from The University of Texas, M. D. Anderson Cancer Center, Dr. Matej Oresic from VTT Biotechnology, Espoo, Dr. Ron Pearson from ProSanos Corporation, Harrisburg, Prof. Ioan Tabus from Tampere University of Technology, Mr. Björn Samuelsson and Mr. Carl Troein from University of Lund, and Dr. Jarkko Heinonen from Medicel Ltd, Helsinki, for their invaluable contribution. We would also like to thank Tampere Graduate School in Information Science and Engineering (TISE) and Tampere International Center for Signal Processing (TICSP) for financial support and the TICSP co-ordinator Ms. Pirkko Ruotsalainen for her excellent efforts in arrangements.

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