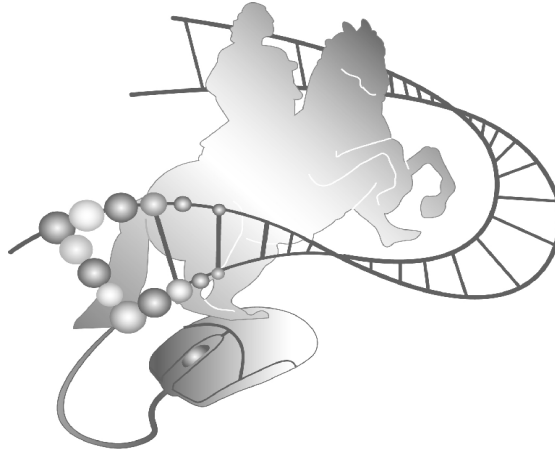


1. Workshop
Computational Biology in Saxony:
Problems and Perspectives

26. November 2001

TU Dresden, Zentrum für Hochleistungsrechnen



Veranstalter:

Prof. Dr. W.E. Nagel, Technische Universität Dresden, Zentrum für Hochleistungsrechnen
Dr. Andreas Deutsch, Technische Universität Dresden, Zentrum für Hochleistungsrechnen

Programm:

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|---|---|
| 9:00 Welcome
<i>Hans Wiesmeth, BIOTEC, TU Dresden</i> | 13.45 DBMS-supported EST-clustering and profile determination for the discovery of new genes
<i>Hai Do, University Leipzig</i> |
| 9.15 Interacting cell systems: problems, analysis and simulations
<i>Andreas Deutsch, TU Dresden</i> | 14.15 Evolutionary approaches to genome analysis
<i>Thomas Wiehe, MPI-ChemEcol, Jena</i> |
| 9.45 Computer simulation of hema topoietic stem cell organization
<i>Ingo Röder, University Leipzig</i> | 14.45 Towards a quantitative individual cell-based model of avascular tumor growth
<i>Dirk Drasdo, MPI-MIS, Leipzig</i> |
| 10.15 Applications in model-based image analysis: spatio-temporal quantification of protein-membrane interactions
<i>Till Bretschneider, MPI-BioChem, München</i> | 15.15 Coffee |
| 10.45 Coffee | 15.45 Metabolic modeling: a useful tool for improving microbial production strains
<i>Christian Löser, Thomas Bley, TU Dresden</i> |
| 11.15 Which bioinformatic tools do biologists need for the analysis of bacterial genomes
<i>Michael Göttfert, TU Dresden</i> | 16.00 Growth of microorganisms under stringent conditions: modeling of pattern formation of yeast colonies
<i>Thomas Walther, Thomas Bley, TU Dresden</i> |

11.45 Computational tumor diagnosis based on gene expression profiles
Rainer Spang, MPI-MolGen, Berlin

12.15 Lunch

13.15 Computational biology and high performance computing: local perspectives
Wolfgang E. Nagel, TU Dresden

16.15 From biological pattern formation to the immune system
Michal Or-Guil, MPI-PKS, Dresden

16.45 Th1/Th2 regulation and immunotherapy of allergy
Jan Richter, Ulrich BehnUniversity Leipzig

17.00 Randomly evolving idiotypic networks
Markus Brede, Ulrich Behn, University Leipzig

17.15 Wrap up

Workshop venue:

- Technische Universität Dresden, Zellescher Weg 12, Willers-Bau, Room C 207

For further enquiries and registration:

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