

International School on Computational Sciences for Complex Systems in Biology (CSSB 2004)

Rovereto (TN), Italy 17-24 April 2004

The school aims at establishing an interdisciplinary research community on foundational theories and tools for information flow and computation in systems biology. Its scope covers modeling techniques as well as formal tools to analyze and simulate the dynamic behavior of complex biological systems.

The recent developments in molecular biology makes impossible the handling of the huge amount of data available by classical approaches. Many biologists joined their efforts to follow a systemic approach to biology thus creating the systems biology discipline. We aim here at enriching these efforts by joining the results obtained in the field of mobile and distributed computing as well as simulation techniques in the last decades in computer science.

The number of events and conferences related to this new dynamic bioinformatics (different from the classical discipline more oriented to the algorithms community) are growing rapidly in number and size. The research groups working in the field are increasing daily. The school could be an aggregation point to exchange ideas and to start new and exciting international collaborations.

School directors

Corrado Priami - University of Trento, Italy (Computer Science)
Magali Roux-Rouquiè - Institut Pasteur and CNRS, France (Biology)

Lecturers

Franck Molina - Center for Pharmacology and Health Biotechnology
Rachid Maroun - Institut Pasteur
Nadine Peyrièras - Ecole Normale Supérieure Paris
Lucas de Castillo Agudo - University of Valencia
Alex Polonsky - Institut Pasteur
Ernst Dieter Gilles - Max Planck Institute
Flemming Nielson - Technical University of Denmark
Aviv Regev - Harvard University
Bruce Shapiro - Jet Propulsion Laboratory, California Institute of Technology
Pierpaolo Degano - University of Pisa
Walter Fontana - Santa Fe Institute
Paola Quaglia - University of Trento

Some more lectures are under negotiation.

Important dates

Application deadline: **March 14, 2004**
Notification of acceptance: **March 21, 2004**
Final registration and payment of registration fee: **April 4, 2004**

Contacts

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www.unitn.it/events/cssb2004