

7th Training Workshop @ INA/CERTH
Computational Genomics Tools for Exploring -omics Data Resources
11-12 Mar 2010

Day 1 - Thursday, 11 March 2010

9:00-9:45 Registration

9:45-10:00 Welcome greetings

Session I - Introductory Lecture

10:00-10:30 Principles of Computational Genomics
Christos Ouzounis

10:30-11:00 Coffee break

Session II - Classical Methods and Data Resources

11:00-11:30 Sequence analysis and pattern discovery
Nikos Darzentas

11:30-12:00 Comparative genome analysis
Ioannis Iliopoulos

12:00-12:30 Analysis of transcriptomes and proteomes
Christos Ouzounis

12:30-13:00 Querying databases using text mining
Theodosios Theodosiou

13:00-14:00 Lunch

Session III - Emerging Methods and Data Resources

14:00-14:30 Metabolic databases and biochemical networks
Sophia Tsoka (to be confirmed)

14:30-15:00 Data mining in systems biology
Chrysanthi Ainali

15:00-15:30 Phenotyping by digital image analysis
Sotos Tsaftaris

15:30-16:00 Next-generation sequencing and epigenomics
Verena Tischler

16:00-16:30 Coffee break

Session IV - Discussions and practical problems

16:30-17:30 Round table
All speakers

Day 2 - Friday, 12 March 2010

Session I: Setting up groups

09:00-09:30 Proposals of open problems
Participants

09:30-10:00 Discussions of open problems
Instructors

10:00-10:30 Splitting in work groups
All

10:30-11:00 Coffee break

Session II: Practical session

11:00-13:00 Practical session and resource exploration
Work groups

13:00-14:00 Lunch

Session III: Practical session

14:00-16:00 Practical session and analysis tools
Work groups

16:00-16:30 Coffee break

Session IV - Discussions and practical problems

16:30-17:30 Presentations by work groups, feedback
All

17:30-18:00 Closing and goodbyes

END

**program is subject to change*