

Saturday - 5 SEPTEMBER 2009

08:00 Registration desk open

5-6 September 2009, Ljubljana, Slovenia

08:50 Opening

Session 1: Networks and function

09:00-10:00 Invited Talk

 $Networking\ Genes\ and\ Drugs:\ Understanding\ Drug\ Mode\ of\ Action\ and\ Gene\ Function\ from\ Large-scale\ Experimental\ Data$

Diego di Bernardo

10:00-10:50 Oral presentations

Predicting the functions of proteins in PPI networks from global information Hossein Rahmani, Hendrik Blockeel and Andreas Bender

Integrated network construction using event based text mining Yvan Saeys, Sofie Van Landeghem and Yves Van de Peer

10:50-11:20 Coffee break

Session 2: Biomarkers and disease

11:20-12:20 Invited Talk

Quantitative Microscopy: Bridge Between "Wet" Biology and Computer Science Yannis Kalaidzidis

12:20-13:10 Oral presentations

On utility of gene set signatures in gene expression-based cancer class prediction Minca Mramor, Marko Toplak, Gregor Leban, Tomaž Curk, Janez Demšar and Blaž Zupan

Evaluation method for feature rankings and their aggregations for biomarker discovery lvica Slavkov, Bernard Ženko, and Sašo Džeroski

Session 3: Posters

13:10-15:10 Poster presentations with catered lunch and coffee

Session 4: Development, signalling

15:10-16:00 Oral presentations

Matching models to data in modelling morphogen diffusion Wei Liu and Mahesan Niranjan

Evaluation of signaling cascades based on the weights from microarray and ChIP-seq data Zerrin Isik, Volkan Atalay and Rengül Çetin-Atala

16:00-17:00 Invited Talk

 $Synthetic\ Biology: Achievements\ and\ Prospects\ for\ the\ Future$

Roman Jerala

17:00	Community meeting
10.00	المانون ويرمله والمرين الممارة والمراب

19:00 Guided walk through Ljubljana

20:00 Conference dinner



Sunday- 6 SEPTEMBER 2009

Session 5: Machine learning methodology

09:00-10:00 Invited Talk

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Machine Learning Methods for Protein Analyses
William Stafford Noble

10:00-10:50 Oral presentations

A comparison of AUC estimators in small-sample studies

Antti Airola, Tapio Pahikkala, Willem Waegeman, Bernard De Baets and Tapio Salakoski

Accuracy-rejection curves (ARCs) for comparison of classification methods with reject option Malik Sajjad Ahmed Nadeem, Jean-Daniel Zucker and Blaise Hanczar

10:50-11:20 Coffee break

Session 6: Function prediction

11:20-12:20 Invited Talk

Ontologies for Systems Biology Nick Juty

12:20-13:10 Oral presentations

Hierarchical cost-sensitive algorithms for genome-wide gene function prediction Nicolo' Cesa-Bianchi and Giorgio Valentini

Simple ensemble methods are competitive with state-of-the-art data integration methods for gene function prediction

Matteo Re and Giorgio Valentini

Session 7: Posters

13:10-15:10 Poster presentations with catered lunch and coffee

Session 8: Phenotype prediction

15:10-16:00 Oral presentations

A Subgroup Discovery Approach for Relating Chemical Structure and Phenotype Data in Chemical Genomics

Lan Umek, Petra Kaferle, Mojca Mattiazzi, Aleš Erjavec, Črtomir Gorup, Tomaž Curk, Uroš Petrovič and Blaž Zupan

Evaluation of methods in GA studies: yet another case for Bayesian networks Gábor Hullám, Peter Antal, Csaba Szalai and András Falus

16:00-17:00 Invited Talk

On the Automation of Science

Ross D. King

17:00 Discussion and closing remarks

18:00 Shuttle to Bled (for ECML/PKDD participants)