

2nd EUNITE Workshop

Intelligent Technologies for Gene Expression Based Individualized Medicine

14th May 2004, Jena/Germany

Technologie- und Innovationspark TIP Jena, 3rd Floor,
Beutenberg-Campus, Wildenbruchstr. 15, D-07745 Jena

Organized by BioControl Jena GmbH and The Hans Knoell Institute for Natural Product Research
on behalf of EUNITE, The European Network on Intelligent Technologies

Programme



08.30 - 09.00 *Registration*

09.00 - 09.15

M. Pfaff, R. Guthke (Jena/Germany),
D.A. Linkens (Sheffield/England)

**Welcome and Introduction
to the 2nd EUNITE Workshop**

09.15 - 09.40

A. Ruryk, E. Moeller, M. Prucha, H. Boriss,
M. Lehmann, R.A. Claus, K.A. Reinhart,
P. Deigner, S. Russwurm (Prague/Czech Republic,
Leipzig/Germany, Jena/Germany)

**Expression Profiling: Towards an Application
in Sepsis Diagnostics**

09.40 - 10.05

S. Toepfer, W. Schmidt-Heck, R. Guthke, D. Woetzel,
D. Driesch, M. Pfaff (Jena/Germany)

**Identification of Gene Regulatory Network Models
from Expression Profiling Data
using the NetGenerator Algorithm**

10.05 - 10.30 *Coffee Break*

10.30 - 10.55

H. de Jong (Grenoble/France)

**Qualitative Simulation
of Genetic Regulatory Networks**

10.55 - 11.20

R. Westra, R. Peeters (Maastricht/Netherlands)

**Modelling and Identification
of Dynamical Gene Interactions**

11.20 - 11.45 *Coffee Break*

11.45 - 12.10

M.M. Pruess (Affymetrix Europe/England)

**GeneChip® DNA Analysis Software (GDAS) –
Algorithm and Applications**

12.10 - 12.35

H.-J. Thiesen, D. Koczan, S. Drynda, A. Drynda,
T. Pap, J. Kekow, R. Guthke (Rostock/Germany,
Magdeburg/Germany, Jena/Germany)

**An Individualized Medicine Approach
in Autoimmune Diseases: Early Identification of
Responders to Anti-TNF Therapy by RNA Profiling**

12.35 - 13.00

R. Guthke, D. Koczan, S. Drynda, A. Drynda,
T. Pap, J. Kekow, H.-J. Thiesen (Jena/Germany,
Magdeburg/Germany, Rostock/Germany)

**Gene Expression Data Based Classification and
Prediction of the Responsiveness of Patients to
Antirheumatic Therapy by Support Vector Machines**

13.00 - 14.15 *Lunch Break*

14.15 - 14.40

D. Gamberger, N. Lavrac, F. Zelezny,
J. Tolar (Prague/Czech Republic)

**Induction of Comprehensible Models
for Gene Expression Datasets
by the Subgroup Discovery Methodology**

14.40 - 15.05

A. Callegaro, S. Bicciato (Padova/Italy)

**Analysis of Gene Expression Profiles
at Chromosomal Level**

15.05 - 15.30 *Coffee Break*

15.30 - 15.55

M.J. Klapa (Patra/Greece, Maryland/USA)

**The Quest for the Mechanisms of Life
in the Postgenomic Era**

15.55 - 16.20

S. Woelfl (Heidelberg/Germany)

**Analyzing Protein Activation
with Phosphorylation Specific
Antibody Arrays**

16.20 - 16.45 *Coffee Break*

16.45 - 17.10

L. Lhotska, O. Stepankova, M. Fejtova,
L. Novakova (Prague/Czech Republic)

**Data Mining in Biomedicine:
A Case Study**

17.10 - 17.35

J. Schuchhardt, D. Beule (Berlin/Germany)

Microarray Data Mining

17.35 - 17.50

M. Pfaff, R. Guthke (Jena/Germany),
D.A. Linkens (Sheffield/England)

Closing Remarks

