Winter Term 2003/4

Workshop

Practical Analysis of Gene Expression Data

jointly organized by
the Department of Statistics/LMU and the MPI for Psychiatry

Teachers:
LMU: Korbinian Strimmer, Juliane Schäfer, Anne-Laure Boulesteix.
MPI: Alexander Yassouridis, Klaus Hechenbichler, Bertram Müller-Myhsok,
       Markus Panhuysen, Benno Pütz, Klaus Schliep, Shaun Seaman.

Date: **16-19 February 2004**
Place: Dept. of Statistics/LMU, Ludwigstr. 33, computer room (ground floor)
Time: 10:00-17:00

Registration:
For participation **please register** (until 31 January 2004) with either:
· Korbinian Strimmer (strimmer@stat.uni-muenchen.de) or
· Alexander Yassouridis (yassou@mpipsykl.mpg.de)

Overview:

This microarray workshop provides a practical introduction to statistical and computational aspects of gene expression analysis. Emphasis is put both on the theoretical background, such as normalization procedures, differential expression, ANOVA, and clustering and classification procedures, as well as on practical exercises using R packages for gene expression analysis (in particular the Bioconductor packages).

Agenda:

· Introduction to microarray technology
· Normalization procedures
· Differential expression
· Clustering gene expression data
· Classification of tissue samples
· Inference of genetic networks

On each topic there will be both lectures and practical excercises.
Note: All lectures will be in German.

Further information and Program:

http://www.stat.uni-muenchen.de/~strimmer/teaching/ws03/