

# ZÜRCHER KOLLOQUIUM ÜBER ANWENDUNGSORIENTIERTE STATISTIK

Einladung zum Kolloquium

Thema **Computational analysis of gene expression data**

Referent **Prof. Martin Vingron**  
MPI Berlin

Datum, Zeit Donnerstag, June 27, 2002, 16.15 – ca. 17.30

Ort Hauptgebäude der Universität, Hörsaal **E 18**

## Abstract

Recently introduced technology to determine simultaneously the expression levels of large numbers of genes has created new challenges for the computational analysis of the resulting data.

This talk will discuss the different problems like data normalization, identification of differential genes, clustering and classification of expression profiles. Special emphasis will be given to a novel normalization method based on variance stabilization and to the application of a planar embedding method, correspondence analysis, to the study of association between genes and conditions. We will present a case study on the yeast cell cycle associated genes.

Information Seminar für Statistik, ETH, 8092 Zürich  
Tel. 01 - 632 3438, [zukost@stat.math.ethz.ch](mailto:zukost@stat.math.ethz.ch)  
<http://stat.ethz.ch/zukost.html>



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

