


Analysis of brain transcriptomes: Principles, goals, achievements



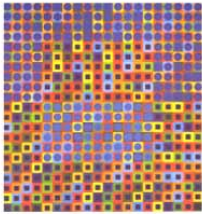
Satellite Symposium 4
at the 6th Meeting of the German Neuroscience Society
in Göttingen

Wednesday, February 16, 2005
13:00 - 16:00

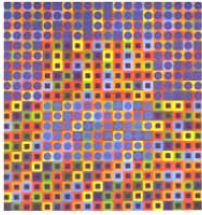
Zentrales Hörsaalgebäude, Hall 8

Organized by Gabriele Flügge, Nils Brose and Eleni Roussa

Supported by the DFG Research Center
Molecular Physiology of the Brain (CMPB), Göttingen
and EUPEAH



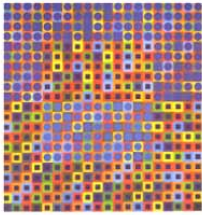
Analysis of gene transcripts via cDNA microarrays and related methods provide powerful tools to find new molecular components that underlie various processes of brain development, neuronal differentiation and central nervous disorders. Within the symposium, experts from different areas of neurobiology will describe latest results from their research on gene expression during differentiation of dopaminergic neurons, on expression of hippocampal and brain stem genes. Methodological aspects such as potentials, planing and interpretation of microarray experiments will also be addressed.



13:00 - 13:30

Nilima Prakash, *München-Neuherberg*

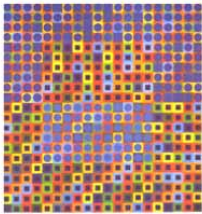
Dissection of the genetic pathway underlying dopaminergic neuron development



13:30 - 14:00

Birgit Liss, *Marburg*

Correlating function and gene-expression of individual dopaminergic neurons



14:00 - 14:30

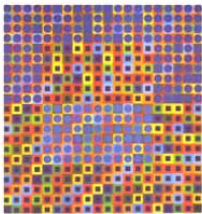
Erno Vreugdenhil, *Leiden (NL)*

Corticosteroid-responsive genes in the rodent hippocampus: a genomics approach



14:30 - 15:00

- Coffee Break -



15:00 - 15:30

Alexander Köhl, *Kaiserslautern*

Transcriptome analysis in the rat auditory brainstem

15:30 - 16:00

Kay Nieselt, *Tübingen*

Analysis of microarray brain expression data: computational and statistical challenges