

## Abteilung "Bioinformatik"

### Journalbeiträge

1. Güldener U, Münsterkötter M, Kastenmüller G, Strack N, van Helden J, Lemer C, Richelles J, Wodak SJ, García-Martínez J, Pérez-Ortín JE, Michael H, Kaps A, Talla E, Dujon B, André B, Souciet JL, De Montigny J, Bon E, Gaillardin C, Mewes HW (2005) CYGD: the Comprehensive Yeast Genome Database. NUCLEIC ACIDS RES, 33(Database issue): D364-8.
2. Kel A., Tikunov Y, Voss N, Borlak J, Wingender E (2005) Application of kernel method to reveal subtypes of TF binding motifs: Causal analysis of gene expression data. LECT NOTES ARTIF INT, 3318: 42-51.
3. Michael H, Chen X, Fricke E, Haubrock M, Ricanek R, Wingender E (2005) Deriving an ontology for human gene expression sources from the CYTOMER database on human organs and cell types. In Silico Biol, 5(1): 61-6.
4. Potapov AP, Voss N, Sasse N, Wingender E (2005) Topology of mammalian transcription networks. Genome Inform Ser Workshop Genome Inform, 16: 270-8.
5. Shelest E, Wingender E (2005) Construction of predictive promoter models on the example of antibacterial response of human epithelial cells. Theor Biol Med Model (Internet-Ausgabe), 2(1): 2.

### Buchbeiträge

1. Kel A, Kel-Margoulis O, Borlak J, Tchekmenev D, Wingender E (2005) Databases and tools for in silico analysis of regulation of gene expression. In: Borlak, Jürgen (Hg.) Handbook of Toxicogenomics. Wiley-VCH Verlag, Weinheim, 253-90.
2. Kel-Margoulis O, Matys V, Choi C, Reuter I, Krull M, Potapov AP, Voss N, Liebich I, Kel A, Wingender E (2005) Databases on Gene Regulation. In: Vladimir B Bajic & Tan Tin Wee (eds.) (Hg.) Information Processing and Living Systems. Imperial College Press, London, 709-27.
3. Krull M, Wingender E (2005) Eukaryotic regulatory sequences. In: Dunn Michael J, Jorde Lynn B, Little Peter FR, Subramaniam Shankar (Hg.) Encyclopedia of Genetics, Genomics, Proteomics and Bioinformatics. Wiley-VCH Verlag, UK, 2895-9.

### Diplomarbeiten / Masterarbeiten

1. Fredrich D, MSc, Neuklassifikation positionsgewichteter Matrizen von Transkriptionsfaktor-Bindestellen durch Verfeinerung von Modellen für die Anwendung matrixbasierter Suchmethoden. Diplomarbeit Georg-August-Universität Göttingen 2005.