

**Abteilung "Bioinformatik"**

**Journalbeiträge**

1. Ante M, Wingender E, Fuchs M (2011) Integration of gene expression data with prior knowledge for network analysis and validation. *BMC Res Notes*, 4: 520.
2. Goemann B, Wingender E, Potapov AP (2011) Topological peculiarities of mammalian networks with different functionalities: transcription, signal transduction and metabolic networks. *Network Biology*, 1: 134-148.
3. Halacheva V, Fuchs M, Dönitz J, Reupke T, Püschel B, Viebahn C (2011) Planar cell movements and oriented cell division during early primitive streak formation in the mammalian embryo. *DEV DYNAM*, 240: 1905-16.
4. Rahm A, Fuchs M (2011) The integral homology of PSL<sub>2</sub> of imaginary quadratic integers with non-trivial class group. *J PURE APPL ALGEBRA*, 215: 1443-1472.
5. Stegmaier P, Voss N, Meier T, Kel A, Wingender E, Borlak J (2011) Advanced computational biology methods identify molecular switches for malignancy in an EGF mouse model of liver cancer. *PLOS ONE*, 6: e17738.
6. Wang J, Haubrock M, Cao KM, Hua X, Zhang CY, Wingender E, Li J (2011) Regulatory coordination of clustered microRNAs based on microRNA-transcription factor regulatory network. *BMC SYST BIOL*, 5: 199.

**Buchbeiträge**

1. Brand-Saberi B, Wingender E, Rienhoff O, Viebahn C (2011) Presenting Human Embryology in an International Open-Access Reference Centre (HERC). In: Shigehito Yamada (Hg.) *InTech - Open Access Publisher*, Rijeka, Kroatien, 21-34.

**Naturwiss. u.a. nichtmed. Diss.**

1. Goemann B, Dr. rer. nat., Modellierung regulatorischer Netzwerke von Säugetieren und Einsatz von Methoden zur strukturellen Analyse und Identifikation von Kernkomponenten. Dissertation Universität Göttingen 2011.