

Martin Haubrock

Curriculum Vitae

Carrer

- > since 10.2018: Research assistant and lecturer at the Institute of Medical Bioinformatics (Head: Prof. Beißbarth) , University Medical Center Göttingen
- > 01.2003-09.2018 Research assistant and lecturer at the Institute of Bioinformatics (Head: Prof. Wingender), University Medical Center Göttingen
- > 06.2000/12.2002 Research and development at Biobase GmbH (Braunschweig/Wolfenbüttel)

Education

- > 02.2000: Diplom (Masters) thesis: PathFinder: reconstruction and dynamic visualization of metabolic pathways.
- > 1994-2000: Study of Computer Science and Bioinformatics (Faculty of Technology) at the University of Bielefeld
- > 1991-1994: Study of Chemistry at the University of Bielefeld
- > 1990-1991: Basic military service
- > 1987-1990: Beisenkamp Gymnasium - Hamm (Westf.), Germany
- > 1981-1987: Realschule Bönen (Secondary School), Germany
- > Feb. 8, 1971: Born in Unna (Westf.), Germany

Research fokus

Analysis and interpretation of gene regulation in eukaryotes

- Prediction of TFBSs
- Prediction and analysis of transcriptional networks
- Modeling of gene regulatory networks
- Analysis of DNA hypersensitivity assays, immunoprecipitation (IP) of proteins that interact with DNA, modified histones, chromatin remodelling proteins and transcription factors sequencing data
- Application of machine learning methods to analyze nucleosome positioning, transcription factor binding sites composition in the context of proximal and distal regulatory interactions

Selected Publications:

Daou R., ..., Haubrock M.:

Constructing temporal regulatory cascades in the context of development and cell differentiation

PLoS One. 2020

...accepted, but no id right now...

Wingender E., Schoeps T., Haubrock M., Dönitz J.:

TFClass: expanding the classification of human transcription factors to their mammalian orthologs.

Nucleic Acids Res. 2018 Jan. 46(1):D343-D347

doi: 10.1093/nar/gkx987

Haubrock M., Hartmann F., Wingender E.:

NF- κ B binding Site Architecture Defines a C-Fos targeted Promoter Class.

PLoS One. 2016 Aug. 11; 11(8):e0160803

doi: 10.1371/journal.pone.0160803

Schirmer M.A., Lüske C.M., Roppel S., Schaudinn A., Zimmer C., Pflüger R., Haubrock M., Rapp J.,

Güngör C., Bockhorn M., Hackert T., Hank T., Stroebel O., Werner J., Izbicki J.R., Johnsen S.A.,

Gaedecke J., Brockmöller J., Ghadimi B.M.:

Relevance of Sp Binding Site Polymorphism in WWOX for Treatment Outcome in Pancreatic Cancer.

J. Natl. Cancer Inst. 2016 Feb. 108(5)

doi: 10.1093/jnci/djv387

Professional activities

...more soon..

Contact information

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