

## PD Dr. rer. nat. Hans A. Kestler

### 1. General Information

Name, Academic Title: Hans A. Kestler, Dr. rer. nat. (Dipl.-Ing.)  
Date and Place of Birth: 15.09.1965; Nürnberg, Germany  
Sex: Male  
Office Address: Research Group Bioinformatics and Systems Biology, Institute of Neural Information Processing  
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Current Position: Research group leader, Bioinformatics and Systems Biology (Akademischer Rat a.Z.)  
Children: Two (9 and 11 years)  
Paternity Leave: -

### 2. University Education

11/1985-01/1992 Technical University of Munich, Electrical Engineering (control theory)

### 3. Academic Degrees

09/2011 Postdoctoral thesis (*Habilitation*), bioinformatics, Ulm University; Mentor: Prof. Palm  
07/2002 Doctoral thesis (Dr. rer. nat.) in computer science, Ulm University: "Analysis of High-Resolution Electrocardiograms – Feature Extraction and Pattern Recognition", Mentors: Prof. Dr. Günther Palm (Neural Information Processing) and Prof. Dr. Hans Wolff (Stochastics)  
01/1992 Masters thesis in electrical engineering (Dipl.-Ing. (Univ.))  
Technische Universität München: "Test and simulation of feedforward neural networks with self-optimizing architecture"  
Advisor: Prof. Dr. I. Ruge

### 4. Professional Experience

Since 06/2008 Research group leader: Bioinformatics and Systems Biology  
06/2003-05/2008 Research professor, Bioinformatics (Stifterverband für die Deutsche Wissenschaft)  
2002-2003 Research fellow, Department of Internal Medicine I – Gastroenterology, Ulm University (Director: Prof. G. Adler)  
1996 - 2002 Research associate, Institute for Neural Information Processing Ulm University (Director: Prof. Palm)  
1992-1996 Research associate, Department of Internal Medicine II – Cardiology, Ulm University (Director: Prof. V. Hombach)  
1991-1992 Software developer, Kontron Elektronik GmbH (Munich)  
1988-1990 Hardware developer, Rohde&Schwarz GmbH (Munich)  
1984-1985 Military service  
1981-1984 Internships at Motorola Inc. Basingstoke, UK; Schaumburg III, USA; Ft. Lauderdale, USA; Taunusstein, Germany

### 5. Editorial Positions, Memberships, Organization

#### Workshop/conference organisation:

Random Growing and Infinite Networks 2008, Blaubeuren  
Statistical Computing 2009-2012, Reisingburg

**Memberships:** IEEE, International Biometric Society, Gesellschaft für Klassifikation, DGFA, ISCB  
**Associate Editor:** Computational Statistics (Springer)

## 6. Publications

1. Maucher M, Kracher B, Kühl M, Kestler HA. Inferring Boolean network structure via correlation. **Bioinformatics**. 2011;27(11):1529-36.
2. Meyer LH\*, Eckhoff SM\*, Queudeville M, Kraus JM, Giordan M, Stursberg J, Zangrando A, Vendramini E, Möricke A, Zimmermann M, Schrauder A, Lahr G, Holzmann K, Schrappe M, Basso G, Stahnke K\*, Kestler HA\*, te Kronnie G\*, Debatin KM. Early Relapse in Pediatric ALL is identified by time to leukemia in NOD/SCID mice and is characterized by a gene signature involving survival pathways. **Cancer Cell**. 2011;19(2):206-17. \*Equal contribution
3. Kraus JM, Kestler HA. A highly efficient multi-core algorithm for clustering extremely large datasets. **BMC Bioinformatics**. 2010;11(1):169.
4. Kestler HA, Müller A, Gress TM, Buchholz M. Generalized Venn Diagrams: A new method of visualizing complex genetic set relations, **Bioinformatics**. 2005;21(6):733-739.
5. Schwenker F, Kestler HA, Palm G. Three learning phases for radial-basis-function networks. **Neural Networks**. 2001;14(4-5):439-458.