

## **Curriculum vitae - Toralf Kirsten**

**Birth year and place:** 1972, Altdöbern, Deutschland

**Education:** 1994-1999 University of Applied Sciences Leipzig  
2002-2007 Ph.D. in Computer Sciences at the Interdisciplinary Centre for Bioinformatics, University of Leipzig  
2008-2009 Post-Doc, Interdisciplinary Centre for Bioinformatics, University of Leipzig

**Career:** 2002-2009 Ph.D student in the group Databases and Data Integration, Interdisciplinary Centre for Bioinformatics, University of Leipzig  
2009-2017 Head IT Group, LIFE Research Centre for Civilization Diseases, University of Leipzig  
2011-2013 Lecturer for Database Systems, University of Applied Sciences for Telecommunication, Leipzig  
2012-2013 Visiting Professor for Database Systems, University of Applied Sciences Leipzig  
2018-2021 Professor for Computer Sciences, University of Applied Sciences Mittweida  
since 2021 Professor for Medical Data Science, University of Leipzig

### **Research Area:**

Infrastructures for data integration & data sharing, metadata management, medical informatics, analysis of clinical / epidemiological data (data sciences)

### **Principal Investigator:**

- Leipzig Health Atlas (co-PI)
- PAREMIS (PI)
- LIFE-LIFT (co-PI)
- NFDI4Health (co-PI)
- Leuko-Expert (PI)
- FAIR Data Spaces (co-PI)

### **Five relevant Publications of the last five Years:**

1. Karim MR, Nguyen BP, Zimmermann L, **Kirsten T**, Löbe M, Meineke F, Stenzhorn H, Kohlbacher O, Decker S, Beyan O: A Distributed Analytics Platform to Execute FHIR-based Phenotyping Algorithms. Proc. of the Semantic Web Application Technologies for Life Sciences (SWAT4LS), 2018 doi: 10.6084/m9.figshare.7392497.v1
2. Winter A, ... **Kirsten T**, ... Loeffler, Markus: Smart Medical Information Technology for Healthcare (SMITH). In: Methods of Information in Medicine 57 (2018), Nr. S 01, S. e92–e1
3. **Kirsten T**, Kiel A, Wagner J, Rühle M, Löffler M. Selecting, packaging, and granting access for sharing study data – experiences from the LIFE Study. In: Proc. Workshop on Digital Processes and Information Systems in Research Data Management, Annual Conf. INFORMATIK 2017, GI Lecture Notes in Informatics (LNI), 2017.
4. **Kirsten T**, Kiel A, Rühle M, Wagner J. Metadata Management for Data Integration in Medical Sciences – Experiences from the LIFE Study. In: Proc. 17. Conf Database Systems for Business, Technology and Web (BTW), GI Lecture Notes in Informatics (LNI), 2017.
5. Löffler M, Engel C, ..., **Kirsten T**, et al. The LIFE-Adult-Study: objectives and design of a population-based cohort study with 10,000 deeply phenotyped adults in Germany. BMC Public Health 2015; 15:691. doi: 10.1186/s12889-015-1983-z.