



# Hansi Weißensteiner

## Curriculum Vitae

### Education

- 2009–current **Doctorate Study of technical Sciences**, *Leopold Franzens University of Innsbruck*, Innsbruck.
- 2006–2008 **Masters of Computer Science**, *Leopold Franzens University of Innsbruck*, Innsbruck, Specialized in Database and Information Systems.
- 2002–2006 **Bachelor of Computer Science**, *Leopold Franzens University of Innsbruck*, Innsbruck.
- 1998–1999 **Training for Network Administration**, *ESF*, Brixen.

### Masters Thesis

- Title *GenDB: Eine Genom-Datenbank zur integrierten Speicherung von Genotypen und Phänotypen*
- Supervisor Professor Dr. Günther Specht

### Work

- 2010–Present **Medical Data Manager**, MEDICAL UNIVERSITY INNSBRUCK, Division of Genetic Epidemiology.
- 2008–2010 **Student Assistant**, MEDICAL UNIVERSITY INNSBRUCK, Division of Genetic Epidemiology.
- 2009 **Student Assistant**, UNIVERSITY INNSBRUCK, Database and Information Systems.
- 2007 **Summer Intern System Administration**, DATEF AG, Bozen.
- 2000–2002 **Technical Sales**, GIACOMUZZI SRL, Bozen.
- 1999–2000 **Software Developer**, PLANQUADRAT GMBH, Bozen.
- 1999 **Intern System Administration**, SIAG AG, Bozen.

### Awards

- 2015 Best Paper Award MIPRO2015

## Publications

- 2016 H Weissensteiner et al. **mtDNA-Server: next-generation sequencing data analysis of human mitochondrial DNA in the cloud**, *Nucleic Acids Research - Web Server Issue 2016*
- 2016 H Weissensteiner et al. **HaploGrep 2: mitochondrial haplogroup classification in the era of high-throughput sequencing**, *Nucleic Acids Research - Web Server Issue 2016*
- 2016 L Forer et al. **Cloudflow-enabling faster biomedical pipelines with MapReduce and Spark**, *Scalable Computing: Practice and Experience*
- 2015 J Raschenberger et al. **Association of relative telomere length with cardiovascular disease in a large chronic kidney disease cohort: The GCKD study**, *Atherosclerosis*
- 2015 J Raschenberger et al. **Do telomeres have a higher plasticity than thought? Results from the German chronic kidney disease (GCKD) study as a high-risk population**, *Experimental gerontology*
- 2015 A Kloss-Brandstätter et al. **Validation of Next-Generation Sequencing of Entire Mitochondrial Genomes and the Diversity of Mitochondrial DNA Mutations in Oral Squamous Cell Carcinoma**, *PloS One*
- 2015 FSG Kehdy et al. **Origin and dynamics of admixture in Brazilians and its effect on the pattern of deleterious mutations**, *Proceedings of the National Academy of Sciences*
- 2015 L Forer et al. **Cloudflow-A framework for MapReduce pipeline development in Biomedical Research**, *Information and Communication Technology, Electronics and Microelectronics (MIPRO)*
- 2014 C Lamina et al. **Correlation between a positive family risk score and peripheral artery disease in one case-control and two population-based studies**, *Atherosclerosis*
- 2014 L Forer et al. **Delivering bioinformatics MapReduce applications in the cloud**, *Information and Communication Technology, Electronics and Microelectronics (MIPRO)*
- 2014 M Summerer et al. **Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar**, *BMC Evolutionary Biology*
- 2013 H Weißensteiner et al. **SNPflow: a lightweight application for the processing, storing and automatic quality checking of genotyping assays**, *Plos One*
- 2012 S Schönherr et al. **Cloudgene: A graphical execution platform for MapReduce programs on private and public clouds**, *BMC Bioinformatics*
- 2012 L Forer et al. **Cloud Computing**, *Book Chapter: Computational Medicine*
- 2011 S Schönherr et al. **A feedback guided interface for elastic computing**, *Grundlagen von Datenbanken*
- 2010 A Kloss-Brandstätter et al. **HaploGrep: a fast and reliable algorithm for automatic classification of mitochondrial DNA haplogroups**, *Human mutation*

- 2010 L Forer et al. **CONAN: copy number variation analysis software for genome-wide association studies**, *BMC Bioinformatics*
- 2010 H Weißensteiner et al. **eCOMPAGT integrates mtDNA: import, validation and export of mitochondrial DNA profiles for population genetics, tumour dynamics and genotype-phenotype association studies**, *BMC Bioinformatics*
- 2009 S Schönherr et al. **eCOMPAGT - efficient combination and management of phenotypes and genotypes for genetic epidemiology**, *BMC Bioinformatics*

## Selected Presentations

- 2016 Grainau (GER) - Sixth Workshop of Genetic Epidemiology - Presentation + Session Chair
- 2015 Zagreb (CRO) - Bioinformatics Methods in Genomics - Workshop and Lectures
- 2014 Doha (QA) - Workshop: From Bioinformatics to Therapeutics
- 2012 Long Beach (USA) - Poster presentation at the Bioinformatics Open Source Conference (BOSC)
- 2011 Amsterdam (NL) - Poster presentation at the European Society for Human Genetics Conference (ESHG)
- 2010 Cambridge (UK) - Poster presentation at the International Symposium on Integrative Bioinformatics (IMBIO)

## Member of Consortium

- GCKD German Chronic Kidney Disease Study Investigator - 9 publications (as of 02.09.2016)