

## General Information

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Current Position: Post-doctoral Fellow

## Academic Education

2013-2017 Doctoral Thesis, DKFZ/Heidelberg University, Germany  
2010-2013 Master Program in Molecular Biosciences, Major Cancer Biology, DKFZ/Heidelberg University, Germany  
2007-2010 Bachelor Studies in Biomedical Science (Humanbiologie), Philipps-Universität Marburg, Germany

## Academic Degrees

2017 Ph.D. (Dr. rer. nat.) from the Faculty of Sciences and Mathematics, DKFZ/Heidelberg University, Germany; Mentor: Prof. Frank Lyko (Division of Epigenetics), Thesis Title: "TET-dependent DNA methylation patterns in mammalian development and disease"  
2013 Master Thesis (M.Sc.), DKFZ/Heidelberg University, Germany; Mentor: Prof. Frank Lyko (Division of Epigenetics), Thesis Title: "Investigating the Function of Tet-mediated DNA Hydroxymethylation"  
2010 Bachelor Thesis (B.Sc.), Institute of Molecular Biology and Tumor Research, Philipps-Universität Marburg, Germany; Mentor: Prof. Alexander Brehm, Thesis Title: "Characterization of the Drosophila protein arginine methyltransferases DART1 and DART4"

## Professional Experience

Since 2018 Post-doctoral Fellow, Institute of Human Genetics, Ulm University and Ulm University Hospital, Germany; Mentor: Prof. R. Siebert; Expertise: DNA methylation, genetics, cancer biology  
2017–2018 Post-doctoral Fellow, Biotech Research & Innovation Center, University of Copenhagen, Denmark; Mentor: Prof. Kristian Helin; Expertise: epigenetics, cancer biology

## Miscellaneous

2013–2016 PhD bursary of the Helmholtz International Graduate School for Cancer Research Heidelberg  
2010–2013 Stipend of the "Studienstiftung des Deutschen Volkes"

## Publications

- Patil P, Cieslak A, Bernhart SH, Toprak UH, Wagener R, López C, Wiehle L, Bens S, Altmüller J, Franitza M, Scholz I, Jayne S, Ahearne MJ, Scheffold A, Jebaraj BMC, Schneider C, Costa D, Braun T, Schrader A, Campo E, Dyer MJ, Nürnberg P, Dürig J, Johansson P, Böttcher S, Schlesner M, Herling M, Stilgenbauer S, Macintyre E, Siebert R. Reconstruction of rearranged T-cell receptor loci by whole genome and transcriptome sequencing gives insights into the initial steps of T-cell prolymphocytic leukemia. **Genes Chromosomes Cancer**. 2019 Nov 2. [Epub ahead of print]
- Højfeldt JW, Hedehus L, Laugesen A, Tatar T, Wiehle L, Helin K. Non-core Subunits of the PRC2 Complex Are Collectively Required for Its Target-Site Specificity. **Mol Cell**. 2019;76(3):423-436.e3.

3. Wiehle L, Thorn GJ, Raddatz G, Clarkson CT, Rippe K, Lyko F, Breiling A, Teif VB. DNA (de)methylation in embryonic stem cells controls CTCF-dependent chromatin boundaries. **Genome Res.** 2019;29(5):750-61.
4. Wiehle L, Raddatz G, Pusch S, Gutekunst J, von Deimling A, Rodríguez-Paredes M, Lyko F. mIDH-associated DNA hypermethylation in acute myeloid leukemia reflects differentiation blockage rather than inhibition of TET-mediated demethylation. **Cell Stress.** 2017;1(1):55-67.
5. Wiehle L, Breiling A. Chromatin Immunoprecipitation. **Methods Mol Biol.** 2016;1480:7-21.
6. Wiehle L, Raddatz G, Musch T, Dawlaty MM, Jaenisch R, Lyko F, Breiling A. Tet1 and Tet2 Protect DNA Methylation Canyons against Hypermethylation. **Mol Cell Biol.** 2015;36(3):452-61.
7. Castoldi R, Ecker V, Wiehle L, Majety M, Busl-Schuller R, Asmussen M, Nopora A, Jucknischke U, Osl F, Kobold S, Scheuer W, Venturi M, Klein C, Niederfellner G, Sustmann C. A novel bispecific EGFR/Met antibody blocks tumor promoting phenotypic effects induced by resistance to EGFR inhibition and has potent anti-tumor activity. **Oncogene.** 2013;32(50):5593–5601.