

CURRICULUM VITAE

- 2000 – 2003** Studies of Forestry at the FH Hildesheim/Holzminden/Göttingen
- 2003 – 2008** Studies of Biology at the Georg – August University of Göttingen.
- 2008** Diploma thesis at the Department for Developmental Biology (“Developmental Genetics”, Prof. Dr. Gregor Bucher) at the University of Göttingen.
- Here I worked on establishing a neuroblast model for the analysis of neural differentiation in the red flour beetle *Tribolium castaneum*.
- 2008 – 2013** Ph.D. student at the Max-Planck-Institute for Molecular Genetics (“Development and Disease” Prof. Dr. Stefan Mundlos).
- During my time as postgraduate student I focused on the role of key transcription factors in osteoblast differentiation. Using ChIP-seq in primary cell cultures I compared genome-wide binding patterns of the osteogenic transcription factors Runx2 and Msx2 in relation to their human pathogenic variations that carry mutations in their DNA-binding domain.
- since 2013** Postdoc at the Institute of Biology (“Comparative Zoology”, Prof. Dr. Gerhard Scholtz) at the Humboldt-University in Berlin.
- Since 2013 I work on the comparative morphogenesis of the crustacean nauplius larva in context of its evolution. I focus on the analysis of neurogenesis as well as segmentation by comparing the expression of evolutionary conserved morphogenetic markers. Furthermore I am interested in the evolution of a benthic life style in crustacean larvae and work on 3D-reconstructions of the naupliar muscle system in different crustaceans.