



UNIVERSITY OF
HOHENHEIM

Job announcement

University of Hohenheim, Institute of Animal Science, Department of Livestock Population Genomics

PhD position - Local adaptation to high elevation habitats in the honey bee *Apis mellifera*

Application deadline: 15.02. 2021

We invite applications from highly motivated candidates with the passion for and experience in animal population genetic analyses. Specifically, we will investigate the molecular mechanism underlying the local adaptation to high elevations habitats in the honey bee. Of particular interest here are chromosomal inversions on two chromosomes identified previously that have shifted to high frequency on different haplotypes of otherwise lowly differentiated chromosomes between highland and lowland populations. Funded by the German Research Foundation (DFG), the project will be performed in close cooperation with Prof. Ricarda Scheiner (University Würzburg), a second doctorate candidate and partners in East Africa.

Of particular relevance for the announced PhD position will be the in-depth analyses of honey bee genomes and transcriptomes, thus experiences in bioinformatics and a background from a population genetic lab is advantageous. Further, we will use CRISPR/Cas9 method to understand the role of selected candidate genes, thus organismic and molecular work is included.

We offer: DFG-funded PhD position (65% TV-L E13) for the duration of 3 years, work with up-to-date methodologies in a stimulating, friendly and international atmosphere. This work includes a field-trip to East Africa and research visits at the University Würzburg.

Embedded in an attractive and green environment, the University Hohenheim combines the advantages of a small campus area with the close vicinity to Stuttgart as lively and cultural centre.

Your Profile: M.Sc. degree (or equivalent) in Evolutionary Genetics/Populations Genetics/Biology
strong interest and proven skills in molecular genetic techniques/genome analyses
strong interest in evolutionary/population genetic questions
strong communication skills (including English)

Starting date: as soon as possible

Please send your application including a cover letter detailing your motivation and research interests, detailed CV and two references by email (**as a single pdf**) to Prof. Dr. Martin Hasselmann, popgenomik@uni-hohenheim.de. Review of the applications will start on **15th February 2021** and continue until the position is filled. Interviews for shortlisted applicants will take place via video conference.

The University Hohenheim is committed to promoting the careers of women and therefore actively welcomes applications from female candidates. As an equal opportunities employer, we also encourage applications from suitably qualified disabled candidates.

For more information, please visit <https://popgenomik.uni-hohenheim.de/en> and contact directly Prof. Dr. M. Hasselmann by email (martin.hasselmann@uni-hohenheim.de).