



## PhD student position in Evolutionary Genomics in bumble bees (f/m/d)

German salary scale for the public sector TV-L E 13

(65% of a full-time position), fixed term (36 months)

The Zoological Research Museum Alexander Koenig in Bonn, Leibniz Institute for Animal Biodiversity (ZFMK) invites applications for this position, which is available from January 1<sup>st</sup>, 2021, and it is a fixed-term position for a period of 36 months. The research will be conducted as part of a DFG-funded project on evolution and developmental regulation of convergent phenotypic traits in bumble bees.

This project combines Population Genomics and Developmental Genomics of multiple bumble bee species in an EvoDevo framework to study repeatability of evolution and the genomic basis of specific phenotypic changes in populations and species.

Applicants should have a graduate academic university degree (Master or equivalent) in natural sciences with a background in genomics, molecular ecology, bioinformatics/computational biology, entomology and/or related disciplines.

Applicants should have a strong interest to work in an interdisciplinary team so that excellent knowledge of English is required. While this project also includes field and wet lab work, it is very computation-heavy. Therefore, previous (basic) knowledge of command-line (Linux) and "R" is required. Ideally, the candidate is familiar with the basis concepts of genome assembly, population genomics and transcriptomics. Training for specific approaches will be given.

The successful applicant will collect specimens in the field, perform DNA and RNA extractions and analyse data on with a variety of cutting edge bioinformatics approaches.

The ZFMK is an equal opportunity employer and is committed to increasing the proportion of women in academics. Consequently, we actively encourage applications by women. We also welcome applications from

candidates with severe disabilities. Disabled candidates with equivalent qualifications will be preferentially considered.

Applications should be written in English and compiled into a single PDF file. The application should include a cover letter (including the date on which the applicants could start the position, their motivation for this position and future research interests), curriculum vitae and copies of university degrees.

Application material should be submitted no later than 22<sup>nd</sup> of November, 2020 as a single PDF file to Ms. Sandra Middelhoff: [s.middelhoff@leibniz-zfmk.de](mailto:s.middelhoff@leibniz-zfmk.de)

In case of questions concerning the position please send an email to Mr. Eckart Stolle ([e.stolle@leibniz-zfmk.de](mailto:e.stolle@leibniz-zfmk.de)).

For more information about the museum see <http://www.leibniz-zfmk.de>.