



# UNIVERSITÄT LEIPZIG

Reference number 215/2020

## **PHD POSITION IN BEHAVIOURAL ECOLOGY AND BIOINFORMATICS (M/F/D)**

Fixed term of three years

65% of a full-time position

Planned remuneration: salary group E13 TV-L

The Faculty of Life Sciences, Institute of Biology, Department of Behavioural Ecology, seeks to fill the above position at the earliest opportunity.

The goal is a scientific qualification (doctorate) in the area of the research focus of the professorship: evolution of social behaviour in primates. The work programme will focus on assessing the impact of realized relatedness on primate sociality using whole genome sequencing. The position is funded by the German Research Foundation (DFG) as part of the 2<sup>nd</sup> DFG sequencing call. The study will concern one of the best-studied primate populations in the world, the rhesus macaque population of Cayo Santiago, Puerto Rico, and will combine genomic and phenotypic data. The genomic part will be done at the Cologne Center for Genomics, with the bioinformatic analysis supported by the Nowick (Bioinformatics Solution Center and Free University Berlin) and the Stadler group (Leipzig University). The genomic data will be linked to comprehensive phenotypic data collected within the framework of earlier studies. The work is planned in collaboration with an international, highly interdisciplinary team working on primate behaviour, evolution and genomics. We are looking for a highly motivated, analytical and innovative candidate. We offer a stimulating scientific environment in a highly collaborative team, with state-of-the-art technology and individually tailored supervision.

### **Job description:**

- Scientific collaboration in a DFG-funded project for the purpose of a doctorate
- Analysis of sequencing data of the whole genome (WGS) of macaques
- Determination of relatedness coefficients (e.g. IDB and ROH)
- Analysis of WGS data in combination with comprehensive phenotypic data, including data from long-term observations, demographic data and field experiments
- Literature research on WGS data and kin recognition in primates
- Publication of the results

### **Requirements:**

- Master of Science or equivalent degree in bioinformatics or biology with good background in bioinformatics
- Very good knowledge or interest in evolutionary biology and/or behavioural ecology
- Solid background in multivariate statistical analyses in R
- Very good written and spoken English
- Independence, commitment and ability to work in a team
- Good communication skills

Please send your application, quoting reference number 215/2020, with a detailed CV, a brief statement of research experience and interests, and two reference letters (or names and contact information of two referees) to

widdig@rz.uni-leipzig.de

Leipzig University  
Faculty of Life Sciences  
Professor Anja Widdig  
Talstraße 33  
04103 Leipzig, Germany

**by no later than 31 August 2020.**

Please note that applying by email is not entirely secure and may pose a privacy risk. The sender assumes full responsibility.

Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

*Privacy information*

*The personal data contained within your application documents or obtained during the interview will be processed exclusively for the purposes of the selection process for the position advertised. The legal basis for such data processing is Section 11(1) of the Saxon Data Protection Implementation Act (Sächs DSDG) in conjunction with the EU General Data Protection Regulation (GDPR). The controller for the application process within the meaning of the GDPR is the addressee of the application, as specified in the respective advertisement. When processing your application, your personal data will be passed on within Leipzig University to*

- members of the selection committee*
- the human resources management teams*
- the Commissioner for Equal Opportunities*
- the Disability Officers and*
- if necessary, the Staff Council*

*as part of their organisational or statutory responsibilities.*

*Your personal data will be erased no later than six months after completion of the selection process. In accordance with the GDPR, subject to the relevant statutory requirements you have the following rights vis-à-vis the addressee of the application with regard to your personal data: right of access (Art. 15 GDPR); right to rectification of inaccurate personal data (Art. 16 GDPR); right to erasure (Art. 17 GDPR); right to restriction of processing (Art. 18 GDPR); and right to object to processing (Art. 21 GDPR). If you have any questions, please contact the Data Protection Officer at Leipzig University (office: Augustusplatz 10, 04109 Leipzig). You also have the right to lodge a complaint with the Saxon Commissioner for Data Protection.*