The **Institute of Zoology, Chair of Applied Zoology** (Prof. Klaus Reinhardt) offers a position as

**Research Associate/ PhD Student**

on the role of sexual selection in adaptation to novel environments

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at **1st of May 2019** (negotiable). The position entails 65 % of the fulltime weekly hours and is fixed term for 36 months. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

**Tasks:** Theory predicts that sexual selection on condition-dependent traits promotes adaptation to challenging environments by purging deleterious alleles more efficiently than natural selection alone. This project aims to test this hypothesis and its underlying assumptions by combining experimental evolution, quantitative genetics, genomics, and meta-analyses. Experimental work will be carried out using the red flour beetle (Tribolium castaneum) as a model system.

**Requirements:** We are searching for a highly motivated candidate with a university degree (MSc) in biology (or equivalent) and a keen interest in evolutionary biology, behavioural ecology or zoology. Experience with statistical modelling, quantitative genetics and/or genomics would be a plus but is not required.

We offer a stimulating working atmosphere with other young enthusiastic researchers studying related aspects of animal reproductive biology with other insect model systems. Working language in the group is English with notions of German being not essential but advantageous in daily life. The PhD candidate will be co-supervised by Dr. Tim Janicke and Prof. Klaus Reinhardt with scope for extensive collaboration with colleagues at the ETH Zurich, CNRS Montpellier, and the University of Cambridge. Within the predefined project aims, the successful candidate will have the flexibility to use different experimental approaches depending on his/her experience and interest in developing new technical skills (such as behavioural experiments, meta-analysis, molecular work, bioinformatic analysis of genomic data), and is welcome to develop and pursue his/her own ideas.

For further questions regarding the position and/or application, please do not hesitate to contact Dr. Tim Janicke.

Applications from women are particularly welcome. The same applies to people with disabilities.

If you are interested, please send (i) a cover letter outlining your research interests together with a statement of why you are applying for this position, (ii) your CV, and (iii) contact information of two referees willing to write a letter of recommendation, preferably via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf document with code **AngZoo/552** to [tim.janicke@mailbox.tu-dresden.de](mailto:tim.janicke@mailbox.tu-dresden.de) or by mail to **TU Dresden, Fakultät Biologie, Institut für Zoologie, Professur für Angewandte Zoologie, Herrn Dr. Tim Janicke, Helmholtzstr. 10, 01069 Dresden.** Application deadline is **January 15th 2019** (stamped arrival date of the university central mail service applies) and interviews will take place shortly after. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.
Dresden is a vibrant city with more than 500,000 inhabitants including about 40,000 students. Called "Florence at the Elbe", Dresden is known for its architecture and world-renowned art museums, theatres, and opera house. Moreover, its beautiful surroundings are among the most spectacular hiking and climbing areas in Germany.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tudresden.de/karriere/datenschutzhinweis