PhD position

Sexual selection and local adaptation
Technical University of Dresden, Germany

Wondering ...
- How populations adapt to novel environments?
- And whether sex can help?

We are!
Join us for a 3-year funded PhD position
- Explore the role of sexual selection in adaptation
- Expand your portfolio of skills by using quantitative genetics, meta-analyses & genomics
- Collaborate with enthusiastic researchers in Germany, France, Switzerland, and the UK

For more information please check here: https://tudaz.net
or contact Tim Janicke - tim.janicke@cefe.cnrs.fr

- Application deadline: 15.01.2019 / Start of the position: Spring 2019 -
A PhD position on the role of sexual selection in adaptation to novel environments under the supervision of Dr. Tim Janicke (https://www.cefe.cnrs.fr/fr/recherche/ee/gee/800-c/866-tim-janicke) and Prof. Klaus Reinhardt (https://tudaz.net/people/head-of-group/) is available at the Chair of Applied Zoology, Institute of Zoology, Technische Universität Dresden, Germany (https://tudaz.net/).

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.

We are searching for a highly motivated candidate with a MSc degree 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.

This is a three-year position funded by the German Research Foundation (DFG). Monthly net salary will be around 1400 EUR (after taxes and health insurance) according to Remuneration level 13 (65%) of the Wage Agreement for Public Service in the Federal States (TV-L).

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.

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, all collated into a single PDF to tim.janicke@cefe.cnrs.fr. For any further questions regarding the position and/or application, please do not hesitate to contact me.

Application deadline is January 15th 2019 and interviews will take place shortly after. The ideal starting date of the position is 1st of May 2019 but is negotiable.