Job announcement
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University of Bielefeld, Faculty of Biology, Department of Evolutionary Biology

**Research Position (PhD candidate) in Evolutionary Genetics**
Application deadline:  18.10.2023
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Bielefeld University - The Faculty of Biology, Department of Evolutionary Biology, has the following job opening:

Research Position (PhD candidate) in Evolutionary Genetics
ID: Wiss23571

* Start: as soon as possible
* part-time 65 %
* salary according to remuneration level 13 TV-L
* fixed-term

The PhD position is part of the "Freigeist" research project "Plasticity-led evolution in the phenotype of a freshwater snail: from the epigenome to genetic change" funded by the Volkswagen-Stiftung. Phenotypic plasticity allows organisms short-term adaptation to environmental changes. The epigenetic mechanisms underlying this ability might influence the genome in the long-term. This hypothesis is intended to be tested, using experimental evolution in the freshwater gastropod *Physella acuta* which is a simultaneous hermaphrodite. The aim is to track phenotypes, epigenotypes and genotypes over many generations to gain a better understanding regarding the role of plasticity in the evolutionary process.

Your Tasks
research tasks (95 %):

* experimental work with freshwater gastropods
* preparation of epigenetic and genetic libraries
* analysis of epigenetic and genetic data
* collaboration with other researchers
* preparation of contributions for scientific conferences
* writing scientific publications for international journals

other tasks (5 %):

* organizational tasks within the research group

The employment is designed to encourage further academic qualification.

We offer

* salary according to Remuneration level 13 TV-L
* fixed-term (3 years) (§ 2 (1) sentence 1 of the WissZeitVG; in accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases)
* part-time 65 %
* internal and external training opportunities
* variety of health, consulting and prevention services
* reconcilability of family and work
* flexible working hours
* job ticket for regional public transport network
* supplementary company pension
* collegial working environment
* open and pleasant working atmosphere
* exciting, varied tasks

Your Profile

We expect

* completed scientific university degree (e. g. Master of Science or equivalent) in evolutionary ecology, genetics, epigenetics, bioinformatics or any related field
* experience in experimental work with living animals
* proven skills in the preparation of genetic and epigenetic libraries as well as in the bioinformatic analysis of epigenetic (ATAC-Seq) and genetic (ddRAD-Seq, whole-genome sequencing) data or high motivation to rapidly acquire such skills
* excellent oral and written English language skills
* independent, self-reliant and dedicated style of work
* strong organizational and coordination skills
* ability to cooperate and work in a team

Preferred experience and skills

* experience in preparing scientific publications
* experience with R
* experience with antipredator phenotypic plasticity
* experience in working with gastropods or with the model species *Physella acuta*

Application Procedure

We are looking forward to receiving your application.

To apply, please use the following link: <https://jobs.uni-bielefeld.de/job/apply/2809/research-position-phd-candidate?page_lang=en>

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