

The Faculty of Biology, Department of Evolutionary Biology, has the following job opening:

## Research Position (PhD candidate)



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

Employment is conducive to scientific 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

### 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

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
- good transport connection
- supplementary company pension
- collegial working environment
- open and pleasant working atmosphere
- exciting, varied tasks

#### 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*

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## Application Procedure

We are looking forward to receiving your application. To apply, please preferably use our online form via the application button below.

**application deadline: 18.10.2023**

**APPLY NOW**

#### Contact

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.

At Bielefeld University on request positions can be carried out with reduced working hours as long as this does not conflict with official needs.

