In the Collaborative Research Centre Transregio 212 "A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche Construction (NC3)" (Faculty of Biology, Theoretical Evolutionary Ecology, subproject D04) the following position is available:

Research Position (Postdoc)

ID: Wiss22529
- Start: as soon as possible
- fulltime 100 %
- salary according to Remuneration level 13 TV-L
- fixed-term

The Faculty of Biology offers a full-time research position in Theoretical Evolutionary Ecology

The position is funded by the German Research Foundation (DFG) within the collaborative research centre (SFB/TRR 212) entitled: A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche Construction (NC3). The aim of the Postdoc project is to develop ecological and evolutionary theory to contribute towards a better understanding of intra-specific niche variation. The project is entitled “Armament, hunger, and mating: how competition can drive individual variation” (sub-project D04 of the collaborative research centre, with Klaus Reinhold). This theoretical project will explore the conditions that favour the evolution of between-individual variation in behavioural niches. The aim is to focus on competition for food, territories and mates and examine to which extent phenotypic variation can be maintained based on genetic differences or variation in adaptive phenotypic plasticity.

Your Tasks
research tasks (95 %):
- development of eco-evolutionary models, including
- mathematical analysis of models
- implementation in a programming language, e.g. in R, C++, Python
- simulation studies
- writing scientific publications for international journals

organizational tasks in the research group and collaborative research centre (5 %)

Your Profile
We expect
- completed scientific university degree in a relevant discipline, e.g. biology, mathematics, physics or bioinformatics
- completed PhD in theoretical ecology, population genetics, behavioral ecology or evolutionary ecology
- experience with mathematical modeling of evolutionary processes
- programming skills in at least one programming language (e.g. R, C++, Python)
- interest in biological and mathematical

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The tasks are carried out in cooperation with other members of the Collaborative Research Centre and the Evolutionary Biology Working Group.

Employment is conductive to scientific qualification.

We offer

- salary according to Remuneration level 13 TV-L
- fixed-term limited until 31.12.2025 (§ 2 (1) sentence 2 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)
- fulltime 100 %
- internal and external training opportunities
- variety of health, consulting and prevention services
- flexible working hours
- job ticket for regional public transport network
- collegial working environment
- open and pleasant working atmosphere
- exciting, varied tasks

Preferred experience and skills

- papers in peer-reviewed international journals
- experience in collaborations between empiricists and theoreticians
- experience with high-performance computing

Application Procedure

We are looking forward to receiving your application. For full consideration, your application should be received via either email (a single PDF document is required) sent to klaus.reinhold@uni-bielefeld.de or post (see postal address). Please mark your application with the identification code: Wiss22529. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. For Information on the processing of personal data click here.

application deadline: 05.08.2022

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.