The Faculty of Biology, Theoretical Biology, SFB/TRR 212, offers a part-time research position starting August 15th, 2020 (E13 TV-L, non-permanent position)

Your Tasks
The goal of the research project will be to contribute to a better understanding of the causes and consequences of intraspecific trait variation, with particular focus on traits that are under density-dependent selection. Specific research questions include: How do trait variation and multi-scale density-dependence affect a population’s ability to persist in the face of habitat loss or habitat fragmentation? What are the eco-evolutionary causes and consequences of intraspecific trait variation in two or more interacting species? And what patterns of genetic variation do we expect among populations of two or more interacting species? Until December 31st, 2020, the position will be located in 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, https://www.uni-bielefeld.de/biologie/crc212/) and for the remaining term in the research group for theoretical biology at Bielefeld University.

Research tasks (95 % in 2020, then 75 %):
- development of eco-evolutionary models
- mathematical analysis of models
- implementation in a programming language (e. g. R, C++, Python)
- simulation studies
- interdisciplinary collaboration, e. g. with other research groups in the collaborative research centre
- writing scientific publications

Teaching tasks (0 % in 2020, then 20 %):
- teaching courses in ecology, including advising Bachelor and Master projects

Organizational tasks in the research group (5 %)

Your Profile
We expect
- a university degree in a relevant scientific discipline, e. g. biology, mathematics, physics, or bioinformatics
- aspiration to do a doctorate
- programming skills in at least one programming language
- interest in both biological and mathematical questions
- excellent command of scientific English, written and oral
- motivation and communication skills to work as part of an interdisciplinary collaborative team

Preferable qualifications
- experience with mathematical modeling
- working knowledge of ecology and evolution
- experience in leading exercise sessions/tutorials

Remuneration
Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentence 1 of the WissZeitVG (fixed-term employment), the contract will end by August 14th, 2023. In accordance with the procedures of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. The position is advertised as 65 % part-time job. In individual cases, this percentage may be reduced on request, as long as this does not conflict with official needs.

Application Procedure
For full consideration, your application (containing a cover letter detailing your motivation and relevant experiences, CV, copies of certificates, and contact details for at least one referee) should be received via either post (see postal address below) or preferably by April 23, 2020. Please mark your application with the identification code: wiss20077. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure.

Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail.

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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 principle of the State Statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.