The Faculty of Biology (Evolutionary Biology) offers a full-time postdoc position in Theoretical Evolutionary Ecology starting as soon as possible.

**Position:** Postdoc position in Theoretical Evolutionary Ecology (E13 TV-L, non-permanent position)

**Salary:** Remuneration will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 28 Abs 2 (1) of the TV-L (salary scale for professors), the position will end on December 31, 2021. 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. The employment is designed to encourage further academic qualification. In principle, this full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

**Main Responsibilities:**
- research tasks (80 %): Development of eco-evolutionary models, including• mathematical analysis of models• implementation in a programming language, e.g. R, C++, Python• simulation studies• collaboration with other research groups in the collaborative research centre• writing scientific publications for international journals• advisory role with regard to one doctoral student
- organizational tasks in the research group and collaborative research centre (5 %)
- teaching tasks (5 %): participation in the teaching obligations of the Biologists’ Institute and coordination and training of student assistants
- administrative tasks (5 %): administrative tasks and collaboration with other research groups in the collaborative research centre
- collaborative research (5 %): participation in the recently approved collaborative research centre (SFB/TRR 212) entitled: A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche Construction (MC3). 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 "Modelling adaptive individualisation and its evolution in variable environments" (sub-project 004 of the collaborative research centre, with Klaus Reinhold). The theoretical project will explore the conditions that favour the evolution of between-individual variation in behavioural niches. The aim is to focus on mate choice and evolutionary aspects which lead to sexual phenotypic variation; variation can be maintained based on genetic differences and variation in adaptive phenotypic plasticity. The collaborative research centre: The position will be embedded within a larger collaborative research centre (SFB) comprising 18 principle investigators and more than 20 postdoc and PhD students based at Bielefeld University, the University of Münster and the University of Jena. The aim of the SFB is to produce a conceptual and empirical synthesis of individualisation across behaviour, ecology and evolution. The SFB will provide exceptional opportunities for interdisciplinary collaboration and academic networking, together with structured training, scientific exchange and early career support programmes. Further details of the SFB can be found at www.uni- bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf. For further information on the projects and the involved departments, please contact Klaus Reinhold (klaus.reinhold@uni-bielefeld.de) with any informal inquiries.

**Qualifications:**
- university degree in a relevant discipline, e.g. biology, mathematics, physics or bioinformatics
- completed PhD in a relevant field
- experience with mathematical modeling of evolutionary processes
- programming skills at least one programming language (e.g. R, C++, Python)
- interest in biological and mathematical questions
- ability to work both independently and as part of a team
- very good oral and written communication skills in English

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Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention services. The SFB will provide exceptional opportunities for interdisciplinary collaboration and academic networking, together with structured training, scientific exchange and early career support programmes. Further details of the SFB can be found at www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf. For further information on the projects and the involved departments, please contact Klaus Reinhold (klaus.reinhold@uni-bielefeld.de) with any informal inquiries.

**Application Procedure**
For full consideration, please provide: (i) a letter of motivation including a statement of your research interests and skills and experience relevant to the position; (ii) a CV including publication list; (iii) names and contact details of two referees willing to write confidential letters of recommendation. Your application should be marked with the identification code wiss20054 and received via either post (see postal address below) or email (a single PDF) document sent to baeva.venneman@uni-bielefeld.de by March 25, 2020. The interviews will take place in April 2020.

Please do not use application portfolios and send only photographs of digital 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 which communicating via unencrypted email. Information on the processing of personal data is available at https://www.uni- bielefeld.de/universitaet/Verfahrensbeschreibungen/2019/ES-Verfahren_english.pdf.

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