PhD position (TU MÜNCHEN)
Bewerbungsfrist: 01.05.2019

The *Biodiversity and Global Change Lab* at the *Terrestrial Ecology Group* at TUM Weihenstephan, Freising conducts research on biodiversity in the context of climate and land-use change. In the scope of the Junior Research Group "MINTBIO – multidimensional integration for better biodiversity projections", funded by the Bavarian Network for Climate Research "bayklif", we invite applications for a **PhD position in integrative global change biogeography and ecology** - E13 TV-L, 65 %, limited to 3 years

Your profile

- Full university degree (Diploma/M.Sc.) in biology, ecology, biogeography or a related discipline.
- Strong interest in biogeography, macroecology and global change biology
- Motivation to conduct integrative analyses that combine data and methods from different disciplines, such as biogeography, physiology, or movement ecology
- Willingness to combine experimental, modelling and field-based approaches to develop innovative biodiversity models under climate and land-use change
- Sound knowledge in statistical analyses and statistical programming, preferably in R
- Fluency in English
- Good writing and communication skills and the ability to work in a team
- Experience in or with any of the following fields or taxonomic groups is beneficial: thermal physiology, dispersal modelling, trait-based analyses, process-based or hybrid modelling of species distributions; birds, grasshoppers, butterflies, dragonflies.

Tasks

You will conduct analyses on observed and projected biodiversity change across different scales and taxonomic groups. A key task is the integration of data and approaches from different biological and geographical disciplines (e.g. biogeography, dispersal ecology, thermal physiology, or eco-morphology). You will develop innovative models to understand and project patterns of species distributions in Bavaria and Europe under different scenarios of climate and land-use change. Field-based and/or experimental work may become part of the project, depending on your interests, skills, and the suitability for the project.

Our offer

- Stimulating work environment at TUM, within the Terrestrial Ecology Research Group and the Biodiversity and Global Change Lab as well as the bayklif program, with great opportunities for collaboration within a network of high-profile researchers as well as scientific exchange during retreats, workshops and conferences
- Membership of the TUM Graduate School with its attractive mentoring and workshop program as well as financial support for international conferences and research stays
- A salary in accordance to TV-L E13 (65 %). The contract for the position will be limited to 36 months.
- TUM is an equal opportunity employer. Qualified women are therefore particularly encouraged to apply. Applicants with disabilities are treated with preference given comparable qualification.

Contact

Required documents for your application: a motivation letter including a short outline of research ideas you could envision to address within the project framework (2 pages max), a detailed CV, contact information of two referees, exam certificates. Please send these documents as soon as possible in the form of one single pdf-file to Dr. Christian Hof (christian.hof@tum.de). The position will remain open until filled; review of applications will start **May 1st 2019**. Appointment date is somewhat flexible, but preferably not later than September 2019. For inquiries, please contact Dr. Christian Hof (christian.hof@tum.de). More information: toek.wzw.tum.de, www.bayklif.com/junior-research-groups/mintbio/

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