

Job vacancy at Universität Regensburg | No. 19.121

The Universität Regensburg with its over 21,000 students is an innovative and interdisciplinary campus university that provides a broad variety of research activities and disciplines for German and foreign students. The *Professorship for Theoretical Ecology* is looking to fill

PhD Position in Statistical Forest Ecology and Modelling (E13 65%)

starting as early as possible for an initial duration of 1 year, with an intended extension of another 2 years. The 65 % position will be paid according to German public-sector level E13.

Your responsibilities:

The goal of the PhD project is to better understand and predict demographic processes (growth, mortality, recruitment) in temperate forests. To that end, you will apply statistical and simulation models, and calibrate these models using Bayesian methods and large forest datasets. The position is located in the junior research group *BayForDemo* funded by the Bavarian network for climate research *bayklif*. More details on the project and our working group at www.bio-vkl.ur.de/theoretische-oekologie/.

Your profile:

- a university degree that qualifies for a PhD program in Regensburg (MSc or equivalent)
- either a background in ecology or a related discipline, and an interest in statistical and computational methods; or a background in statistics, mathematics or physics, and an interest to apply quantitative methods in an ecological context
- good knowledge of statistics and R, ideally also in a general programming language (e.g. C++/Python)
- experience with handling large data volumes
- demonstrated ability to independently develop scientific theory
- team orientation and motivation to advance ecological theory about forest demography
- excellent knowledge of English and writing skills

We offer:

- A young and dynamic working group
- with excellent scientific infrastructure, international collaborations and an open, collegial lab atmosphere
- in one of the most desirable cities of Germany.

The Universität Regensburg strives to achieve an increase in the percentage of women working at the university and, accordingly, expressly invites qualified women to apply for positions. The Universität Regensburg is committed to the compatibility of family and career (for more information, please visit <http://www.uni-regensburg.de/equal-opportunities>). Severely disabled applicants are given preference in instances where applicants demonstrate an equal level of qualification. Please mention any severe disabilities, if applicable, in your application.

Please send your application, consisting of a motivation letter, CV and contact details of at least 2 academic references electronically in one pdf file before **29. July 2019** to lisa.huelsmann@ur.de. Please direct possible questions to the same person.



Universität Regensburg

FAKULTÄT FÜR BIOLOGIE UND VORKLINISCHE MEDIZIN

Professur für Theoretische Ökologie

This is an English translation of the official German position announcement, which can be found here <https://www.uni-regensburg.de/universitaet/stellenausschreibungen/lehre-forschung/index.html>

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