

Biology and Preclinical Medicine

Research Assistant / PhD Student (m/f/d) Ecological Data Science

Professorship for Theoretical Ecology

The Theoretical Ecology Lab at the University of Regensburg focuses on theory and modelling, computer simulations, as well as statistics, data science and artificial intelligence in ecology, evolution, and conservation.

We offer:

- The opportunity to be part of the BaySensAI project (<https://go.ur.de/baysenseai>) and develop an AI-based prediction and monitoring system for biodiversity data as part of the Bavarian research network bayklif2 (<https://bayklif2.de>)
- PhD studies supported by our faculty's structured graduate program (RIGeL)
- An outstanding scientific infrastructure, excellent international networking, and a collegial working atmosphere
- Working in one of Germany's most popular cities

Your responsibilities:

- Development and application of AI-based (deep learning) models for predicting species distributions and biodiversity indices in space and time
- Preparation of scientific publications
- The position offers the opportunity to pursue a doctorate

Your profile:

- A degree in science or mathematics (e.g., biology, ecology, physics, as well as mathematics, statistics, or data science). If already available, please include your M.Sc thesis in your application.
- Experience with and knowledge of a programming language commonly used in data science (e.g., R or Python)
- Good knowledge of the English language
- Experience with statistics, machine learning, Deep Learning and AI are an advantage
- Familiarity with fundamental ecological concepts and experience in ecological modelling, particularly species distribution models (SDMs), are desirable

Key points

Start: As soon as possible

Contact: Prof. Dr. Florian Hartig

Remuneration: TV-L E13, 75%.

Limited contract for one year, with the possibility to be extended for another 2.5 years

How to apply: by Dez 7th [here](#) or via the link below

The University of Regensburg is committed to increasing the proportion of women in teaching and therefore explicitly encourages qualified women to apply. The university is particularly committed to supporting the compatibility of family and career. For more information, see <https://www.uni-regensburg.de/universitaet/jobs-und-karriere/familien-service>. Applicants with severe disabilities will be given preferential consideration if they are equally qualified. Please indicate any severe disability in your application. Please note that we cannot reimburse any expenses you may incur in connection with an interview.

This is the English translation of a German job advertisement published by the University of Regensburg. Only the original German text (available via the link above) is legally binding.

The link to the German job advertisement and to our recruiting page is available at https://www.uni-regensburg.de/universitaet/aktuelles/nachrichten/nachricht/29-10-2025_we-are-hiring-4-phd-positions-and-one-ecological-data-scientist