EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

The Plant Ecology Group at the University of Tübingen is searching for a

Doctoral candidate in Eco-Evolutionary Modeling

(m/f/d, E13 TV-L 65%, limited for 3 years)

Species are not homogeneous entities but show ample of genetic variation in morphological, phenological, or behavioral traits. Genetic variation is a key component of biodiversity and could help species to adapt to a heterogeneous environment. Understanding the ecological drivers of adaptive genetic variation, and identifying such drivers empirically, however, is a difficult task. In this three-year project, the candidate will study both the ecological conditions favoring adaptive genetic variation (e.g., spatial, local, and temporal environmental variation) and empirical methods to detect this part of biodiversity (e.g., Q_{ST}/F_{ST} comparisons). As a scientific tool, the candidate will use forward-in-time, individual-based simulations to advance our understanding of biodiversity.

The candidate will be part of the international and interdisciplinary Plant Ecology group at the University of Tübingen and join the EVEREST research school. To this end, we promote the scientific independence of the candidate, we support the scientific qualification and career planning, and we offer networking opportunities within and beyond Tübingen.

The candidate should have a keen interest in both the study of biodiversity and in eco-evolutionary modeling. Strong quantitative (mathematical and/or computational) skills, good communication, scientific curiosity, and enthusiasm for research are essential. The candidate should be further able to work independently, integrate well in a team, and meet the following requirements:

- MSc in Ecology / Evolution / Bioinformatics, or a related field
- Excellent knowledge in ecology and evolutionary biology
- Excellent English communication skills (spoken and written)
- Good programming skills (e.g., in *R*, *C++*)

The University of Tübingen is committed to equal opportunities and diversity. The University is committed to increasing the percentage of women in research and teaching and thus encourages women with adequate qualifications to apply. Disabled persons with equal aptitude will be given preferential consideration. The employment process will be carried out by the central administration of the university.

Please send your application as a single pdf-file to Dr. Max Schmid (max.schmid@uni-tuebingen.de). The application should include a letter of interest (max. 1 page, including your previous experience, and why you see yourself as a good candidate), a CV, and a transcript of records (MSc).

The deadline for applications is **October 4th, 2024**. Please contact Dr. Max Schmid if you have any questions or would like to discuss some details of the position.