

PhD student (f/m/d) - plant population and quantitative genetics

Institute for plant Sciences / CEPLAS

Foto: Thomas Josef

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The „Crop Evolution“ group at the Institute for Plant Sciences and the Cluster of Excellence on Plant Sciences (CEPLAS) studies the evolution and adaptation of crops. We use population and quantitative genetics to understand how wild plants became crops and how these crops spread across the globe. Our models are maize and amaranth. More on www.cropevolution.org. The selected candidate will work on a DFG funded project studying the evolution of the genomic landscape during the repeated domestication of grain amaranth.

YOUR TASKS

- » Analyze genomic, epigenetic and phenotypic data of wild and domesticated amaranth
- » Carry out greenhouse experiments with mapping populations
- » Molecular work, including DNA extraction and chromatin sequencing libraries
- » Participate in the development of the project and contribute ideas
- » Write and publish scientific articles
- » Participate in group meetings and discussion

YOUR PROFILE

- » M.Sc. in Biology, Agricultural Sciences or related discipline
- » Background in population genetics, quantitative genetics, computational biology or equivalent
- » Interest in evolutionary questions and plant research
- » Experience with genomic data analysis is a plus
- » Computational skills (e.g., basic knowledge in bash, R or Python) or willingness to learn are highly desired
- » Excellent oral and written communication skills in English

WE OFFER YOU

- » Training in an enthusiastic and dynamic team
- » Participation in the Graduate School for Biological Sciences
- » A diverse and fair working environment
- » Support in reconciling work and family life
- » Flexible working time models
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Local transport ticket at a discount for UoC employees

The position is available from 01.01.2020 on a part time basis (65%). It is initially limited to up to three years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

The University of Cologne promotes equal opportunities and diversity in its employment relations. Women are strongly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We explicitly welcome applications from individuals with severe disabilities or people of equivalent status. Severely disabled applicants of equal merit and qualifications will be given priority.

Please apply online at: <https://jobportal.uni-koeln.de> with proof of the sought qualifications, including a letter describing your interests and motivation, CV, and contact information of at least two referees. The Reference number is WISS2008-01. The application deadline is 15.10.2020