

PhD Position (m/f/d) in Plant Physiology and Molecular Biology

The chair of plant breeding at the Technical University of Munich / TUM School of Life Sciences invites applications for a PhD position (TV-L E13, 75%), starting as soon as a suitable candidate is found.

Research in the TUM plant breeding group is devoted to the development of molecular and statistical tools for plant breeding with a focus on tolerance to abiotic stress in crop plants.

Research topics:

- Molecular mechanisms underlying the response of maize to contrasting water regimes in combination with other environmental stress factors (biotic and abiotic)
- Functional characterization of candidate genes using physiological and molecular methods such as gas-exchange, pathogen assays, gene expression analyses, mutant analyses, gene cloning, enzymatic activity assays
- Establishing new screening methods for stress resistance in collaboration with partners of a collaborative project focused on improving crop resilience in the face of climate change

The successful applicant is expected to have:

- Diploma or Master's degree in biology, agricultural biosciences, molecular biotechnology, plant physiology or related disciplines (above average grades)
- Background in (plant) physiology, molecular biology and/or genetics
- High motivation to engage in molecular analyses and phenotyping
- Very good English (oral and written), German is an advantage
- Ability to work in a team and to collaborate with other research groups

Our offer:

- An interdisciplinary and international working environment in a team of molecular and statistical geneticists
- Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development
- Advanced education in plant physiology, molecular genetics, bioinformatics and plant breeding in courses and summer schools
- Employment contract with payment according to TV-L E13 (75%), the full-time position will be limited to three years

The Technical University of Munich is committed to increasing the proportion of women in research and education and thus explicitly invites qualified female scientists to apply for this position. Preference will be given to disabled candidates with essentially the same qualifications.

Your application:

Applications with the usual supporting information (letter of motivation, CV, certificates, transcripts, credentials, etc. in a single pdf file) should be submitted by Email to jobs.z7x.wz@tum.de, **subject matter: "Maize stress response"**. Application will be open until the position is filled.

For more information please see: <http://www.plantbreeding.wzw.tum.de>

For questions related to the position and further background information please contact Dr. Viktoriya Avramova, Plant Breeding, TUM, viktoriya.avramova@tum.de

Data Protection Information:

As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application, you confirm to have read and understood the data protection information provided by TUM.