

Research Scientist (m/f/d) in Plant Genetics and Breeding

The Chair of Plant Breeding at the Technical University of Munich / TUM School of Life Sciences invites applications for the position of a **Plant Scientist** starting as soon as a suitable candidate is found. The full-time position is limited to two years with the possibility of extension up to six years.

Research in the TUM plant breeding group is devoted to the genetic improvement of crops with a focus on tolerance to abiotic stress in maize. You will join a multi-disciplinary research team working on discovering genes regulating quantitative traits in maize genetic resources. Unique biological resources, a large body of genomic, transcriptomic, and proteomic data are available at the chair through several large collaborative projects.

Research topics:

- Molecular mechanisms underlying the response of maize to abiotic stress (cold/drought/lodging)
- Functional characterization of candidate genes using genetic, physiological and molecular methods such as gene expression analyses, mutant analyses, map-based cloning, gene-gene and protein-protein networks
- Analysis of genomic, transcriptomic and proteomic data

The successful applicant is expected to have:

- PhD in biology, genetics, bioinformatics, crop science or related fields
- Strong interest in wet-lab and *in silico* approaches
- Training in molecular biology, genomics, and/or genome editing techniques are desirable, but not required
- Ability to solve problems independently and to work in a team
- Teaching experience is desirable, but not required

We offer:

- An interdisciplinary working environment in a team of molecular and quantitative geneticists
- Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development
- Advanced education in genetics and plant breeding in courses and summer schools
- Employment contract with payment according to TV-L E13 for an initial two-year period with the possibility of extension up to six 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.

Contact:

Applications with the usual supporting information (letter of motivation, CV, certificates, credentials, etc. in a single pdf file) should be sent to jobs.z7x.wz@tum.de, **subject matter: "Research Scientist Plant Genetics and Breeding 23.2"**. Application will be open until the position is filled.

For more information please see:

<https://www1.ls.tum.de/plantbreeding>

For questions related to the position and further background information please contact Dr. Ulrike Utans-Schneitz, Plant Breeding, TUM, utansschneitz@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.