

PhD Position in Quantitative Genetics

The chair of plant breeding at the Technical University of Munich / TUM School of Life Sciences Weihenstephan invites applications for a PhD position starting January 1, 2017, or earlier.

Research in the plant breeding group is focused on the development of molecular and statistical tools for plant breeding applications as well as on genome analysis in crop plants.

Research topics:

- Identification of genomic regions affecting quantitative traits in sunflower
- Investigation of multiple trait genomic prediction in sunflower
- Development of statistical methods for quantitative trait locus (QTL) estimation and genomic prediction

The successful applicant is expected to have:

- Diploma or Master's degree in (bio-) statistics, agricultural science or related disciplines (above average grades)
- Strong interest in statistics and in application of statistical models in the life sciences
- Advanced knowledge in statistical software, preferably experience with R
- Background in (quantitative) genetics and plant breeding is advantageous
- Very good English (oral and written), German of advantage
- Ability to work in a team and to collaborate with other research groups

We offer:

- An interdisciplinary working environment in a team of plant breeders, statisticians, molecular geneticists and bioinformaticians
- Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development
- Advanced education in statistics, genetics and plant breeding in courses and summer schools
- Employment contract with the German public service salary TV-L E13 (75%) for 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.

Contact:

Applications with the usual supporting information (letter of motivation, CV, certificates, credentials, etc. in a single pdf file) should be submitted by Email to jobs.z7x.wz@tum.de, **subject matter: "PhD Position Quantitative Genetics 16.3"**. 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. Christina Lehermeier, Plant Breeding, TUM, christina.lehermeier@tum.de