Research Scientist in Bioinformatics

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

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:
- Sequencing based genomic analyses in maize
- Integration of genomic, functional and phenomic data to elucidate trait networks
- Data mining to make genomic and functional diversity accessible for crop improvement
- Development of methods to advance the understanding of regulatory networks
- Projects developed by the candidate related to the main research goals of our group

The successful applicant is expected to have:
- PhD in bioinformatics, biostatistics, computational sciences or related fields
- Experience in handling, processing and analyzing high dimensional data (e.g. *de novo* assemblies, variant discovery, annotation, transcriptomics)
- Programming skills (e.g. Java, Python, R) and familiarity with high performance computing
- Background in plant genetics and molecular biology is advantageous
- Ability to independently solve problems
- 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
- Employment contract with the German public service salary TV-L E13 for an initial two-year period with the possibility of extension

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: "Research Scientist Bioinformatics 16.2"**. 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. Ulrike Utans-Schneitz, Plant Breeding, TUM, utansschneitz@tum.de