



Technische Universität München



Wissenschaftszentrum Weihenstephan
für Ernährung, Landnutzung und Umwelt

Senior Research Scientist in Bioinformatics

The Plant Breeding group at the Technische Universität München offers a position for a **Bioinformatician** (German gov. salary TV-L 13) for 6 years (2 x 3).

Research in the plant breeding group is focused on the development of molecular tools for plant breeding applications. The candidate will work in an interdisciplinary team of plant and animal breeders, bioinformaticians and biologists.

The major role of the Senior Research Scientist will be the

- Development and adaptation of relational databases for next-generation-sequencing data
- Development of bioinformatics tools using script languages like (Bio-)Perl, (Bio-)Python and (Bio-)Java for handling and visualizing large data sets
- Close and interdisciplinary collaboration with group members
- Development and maintenance of molecular biological databases, data integration, installation of bioinformatics tools for *in silico* analysis tasks (sequence assembly, gene annotation and comparative genomics)
- Participation in teaching

The successful applicant is expected to have:

- Diploma or master degree in informatics, bioinformatics or related fields
- Knowledge of algorithms and experience with standard programs for sequence assembly (e.g. Mira, Velvet), sequence analysis (e.g. RepeatMasker, AutoSNP, BLAST) and (comparative) genome and transcriptome analysis
- Strong background in genetics, genomics and molecular biology
- Ability to independently solve problems
- Strong team player skills

The Technische Universität München pursues the strategic goal of substantially increasing the proportion of women in research and education and thus expressly invites qualified female scientists to apply for this position.

Contact:

Applications with the usual supporting information (CV, certificates, credentials, etc) should be submitted to chris.schoen@wzw.tum.de or the following postal address:

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Center of Life and Food Sciences Weihenstephan
Plant Breeding
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