

## **Postdoctoral Research Associate**

(Reference code: 101)

A full-time Postdoctoral Research Associate position in Crop Plant Genomics related to Crop Improvement is available in the Institute for Biotechnology in Plant Production, Department of Agrobiotechnology Tulln, BOKU – University of Natural Resources and Life Sciences Vienna. The position is available for a duration of 6 years.

### **Duties and Responsibilities**

We intend to strengthen our team with a motivated Post Doc researcher in the field of crop plant genomics, with a focus on cereals, especially wheat and possibly also on selected oil crops (e.g. soybean, oil-pumpkin). We seek outstanding candidates addressing relevant research challenges applying tools of advanced crop plant genomics, like for example: gene cloning, genome sequencing, transcriptomics, genomic selection and molecular genetics of disease and/or stress resistance or a related field.

The successful candidate will join our regionally and nationally recognized research and teaching program at the University of Natural Resources and Life Sciences. Research areas of particular interest include for instance: disease resistance, plant-pathogen interaction, biotic and abiotic stress resistance. However, candidates with experience in other research specialties are also encouraged to apply. The successful candidate will be expected to establish and active, extramurally funded research program. We expect that the successful candidate will develop her/his research in close cooperation with the plant breeding groups at BOKU in Tulln and Vienna. In addition the successful candidate should get involved in ongoing international crop plant genomics/cereal genomics activities, e.g. at the European Union level. Supervision of bachelor-, master- and PhD students, and university teaching (generally 4 hours per week) and support in the administrations of the institute are also part of the obligations.

### **Minimum of Qualification**

- A degree in Agricultural Sciences, Crop Plant Genetics, Genetics, Biology or a related field of study
- Applicants should have a completed doctoral (PhD) degree in plant genetics/genomics, bioinformatics/computational biology or a related discipline.
- Familiarity with genomic data mining, data analysis and sequence analysis are highly desirable
- Hands on experience with up-to-date molecular genetic techniques are desired.

### **Further Qualifications**

- Team orientation
- Knowledge in bioinformatics, for example: analysis of up-to-date genome sequence data, transcriptome sequencing data, microarray data, SNP detection or genomic selection
- Scientific experience in e.g. molecular plant-pathogen interaction of stress resistance
- Experience in wheat genomics
- Knowledge in molecular genetic methods, e.g. DNA and RNA analytics
- Experience as Post-Doc researcher and in supervising an own research team in one of the above mentioned areas
- Scientific publications, international networking, successful extramural project acquisition

**Additional information:**

The academic home of the position will be in Tulln ([www.ifa-tulln.ac.at](http://www.ifa-tulln.ac.at)). The position is available for a duration of 6 years. Salary is in accordance with the general university collective agreement for a core funded Post Doc position. (B1 lit. b)

Date of publication: 17.11.2010  
Closing date for applications: 15.12.2010

University of Natural Resources and Applied Life Sciences Vienna intends to increase the proportion of its female personnel. Qualified women are therefore explicitly invited to submit applications. In the case of equal qualifications, women will be given preferential consideration for employment unless reasons specific to an individual male candidate tilt the balance in his favour.

Please send your application letter, curriculum vitae and names and addresses of three references to the department of human resources at the University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). (**reference code: 101**)

For additional information, please contact:  
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