



The Department of Biotechnology, group “Bioinformatics” (AG Himmelbauer) is currently seeking a

**Postdoctoral or Postgraduate Research Associate (f/m)**  
**Bioinformatics / Computational Biology / Plant genome analysis**  
**Project employment**  
(Reference code: 147)

**In case of employment as Postdoc:**

Extent of employment: 40 Hours per Week  
Duration of employment: 01<sup>st</sup> of March 2017 to 28<sup>th</sup> of February 2019

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1 lit. b, € 3.590,70

**In case of employment as PhD student:**

Extent of employment: 30 Hours per Week  
Duration of employment: 01<sup>st</sup> of March 2017 to 30<sup>th</sup> of September 2020

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.022,40

We are a multidisciplinary team focusing on the genomics of crop plants; our labs are located at the BOKU Muthgasse campus well connected to the city centre of Vienna. In the past years, our research efforts included genomes of cultivated and wild beets (Dohm et al. Nature 2014) and related species. We offer a friendly and supporting atmosphere, and state-of-the-art computing infrastructure (see <http://seq.boku.ac.at>). We are looking forward to expanding our team by a dedicated and strongly motivated person with distinct interest in challenges of bioinformatics in the context of plant genome analysis. The position is embedded within the framework of “BeetSelect”, a project aiming at the thorough characterization of the genomes of wild and cultivated beets based on whole-genome sequencing data.

**Responsibilities**

- Scientific research with focus on the genomics of sugar beet and its wild progenitor, the sea beet
- Characterization of the variation in cultivated and wild beets based on whole-genome sequencing data
- Identification of signatures of artificial or natural selection in the genomes
- Additional genome analyses according to interests of the candidate (e.g. gene flow between beets, impact of transposable elements, genome evolution)
- Scientific presentations related to the project and drafting manuscripts for publication of the results

**Required skills and qualifications**

- Doctorate degree with scientific focus on genome bioinformatics or computational biology (Postdoc candidates)
- Master’s degree in bioinformatics or a related discipline (PhD student candidates)
- Experience with preparing scientific manuscripts (Postdoc candidates)

- Experience with the analysis and interpretation of large data sets, in particular high-throughput sequencing data from eukaryotic organisms
- Solid programming skills (e.g. development of sequence analysis tools)
- Excellent communication skills in English (orally and in writing)
- Motivation, team spirit and interest in biological questions related to plant genetics and genomics

Applications can be submitted until: 26<sup>th</sup> of February 2017

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

Please send your job application (incl. letter of motivation, CV, publication list, teaching experience and contact details for three referees) via e-mail to [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). **Reference code: 147**, Personnel department, University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70.

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

**[www.boku.ac.at](http://www.boku.ac.at)**