Bioinformatician/Data Analyst (38h) – High-throughput Plant Phenotyping

Vienna BioCenter Core Facilities GmbH (VBCF) is a non-profit organization providing scientific infrastructure operated, maintained and developed by highly qualified experts. We are situated at the Vienna BioCenter (VBC), one of Europe's leading multi-disciplinary biomedical research campuses.

The PlantS Facility provides plant growth and phenotyping services for the researchers at the VBC and beyond. We operate 22 high-tech phytotrons which are capable of simulating a wide range of global environments and abiotic plant stress conditions. One of these phytotrons is equipped with an automated high-throughput (HT) plant phenotyping system that monitors the growth and health of the plants through a large set of parameters extracted from RGB images taken regularly over the course of an experiment. The HT phenotyping capabilities will be further extended via the recently approved FFG infrastructure project "PHENOPlant", where plants will be transported on conveyor belts from highly controlled growing areas to state-of-the-art sensors (including e.g. hyperspectral-, chlorophyll fluorescence-, thermal- and 3D-imaging).

https://www.viennabiocenter.org/facilities/plant-sciences/ - https://youtu.be/w1lxgTvla7Y
https://www.viennabiocenter.org - https://emphasis.plant-phenotyping.eu - https://www.appn.at
https://www.ffg.at/FuE-Infrastrukturfoerderung_2_AS_gefoerderte_projekte

We are looking for a **Bioinformatician/Data Analyst** to join our team and help us build our data analysis pipelines.

Your responsibilities:

- o Development and maintenance of a data management system for HT phenomic data
- o Supporting the planning, construction and implementation phase (IT, data management, validation) of PHENOPlant
- o Quality control and analysis of HT phenomic data incl. statistical analysis and visualization
- o Modelling of environmental, genotypic and phenotypic data incl. GWAS
- o Development of web-based tools for data management and analysis

Your profile:

- o MSc, PhD or other extensive experience working in bioinformatics
- o Expert in data analysis and statistics, ideally with experience in time-course data modeling
- o Expert in Python and/or R programming
- o Experience in web-based software development is an asset
- o Excellent soft skills, communication and writing skills in English (working language)

This position offers a highly professional and stimulating environment with very attractive company benefits and is available from July 1st, 2019. The salary is planned with min. 2.700 EUR gross/month (38hrs) and can be increased depending on experience and qualifications.

Applicants should submit a cover letter, a full CV and contact information of two references by **May 31st, 2019** to jakub.jez(at)vbcf.ac.at