Conserving - Exploring - Exploiting

The IPK is one of the world´s leading international institutions in the field of plant genetics and crop science. Its research programme and services contribute materially to conserving, exploring and exploiting crop diversity. Its research goals are driven by the need to ensure an efficient and sustainable supply of food, energy and raw materials, there by addressing a major global ecological challenge.

PhD Student in Image Analysis

The Image Analysis group of the Molecular Genetics department at IPK Gatersleben deals with development of computational methods for derivation of quantitative traits of crop plants from multimodal and multidimensional image data acquired in high-throughput with multispectral 2D and 3D camera systems. To support our team we are currently looking for qualified PhD Student.

Your tasks:

- You will develop software solutions for processing and analysis of multimodal and multidimensional image data from high-throughput plant phenotyping experiments such as time-series of multispectral 2D and 3D images.
- You will communicate with internal and external cooperation partners.
- You will present results at scientific meetings and write journal articles.

You fit to us:

- You are a passionate software developer.
- You are a team player.
- You like to work in an interdisciplinary environment on the boundary between computer and biological sciences.

Your qualifications and skills:

- You have a degree in informatics, mathematics, physics or similar educational background.
- You have good programming skills in one or more scientific programming languages (i.e., Matlab / Octave, Java, C/C++, Phyton, shell).
- You have experience of working on signal/ image processing, computer vision, spatial-temporal modeling and/or machine learning applications.
- Previous experience in plant image analysis or modeling is a plus.

We offer you:

- A cutting edge interdisciplinary research environment.
- Collegial working atmosphere.
- Gross salary according to TV-L.

The successful candidate will be given an opportunity to work in a state-or-the-art scientific environment on the rapidly growing interdisciplinary field of biological image analysis and quantitative species phenotyping.

What you need to know:

The IPK is striving to increase the proportion of women in sectors where they are underrepresented, and therefore explicitly encourages applications from qualified women. The IPK was awarded the Hertie Foundation's work and balance certificate ("berufundfamilie") for its family-friendly working conditions. The IPK campus is located in the immediate vicinity of a local day care center and primary school (Grundschule).

Your application:

Please send your application (incl. CV, copies of certificates, references and summary of research interest) to Dr. Evgeny Gladilin (gladilin@ipk-gatersleben.de) **citing the reference number 67/12/16.**

Mitglied der
Leibniz
Leibniz-Gemeinschaft

IPK
GATERSLEBEN

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Zertifikat seit 2010
audit beruf undfamilie

science4refugees