CEITEC-Central European Institute of Technology, Masaryk University, Brno, Czech Republic, seeks applicants for a postdoctoral positions on the field of quantitative plant image analysis. The research activities will be performed within the scope of recently funded project “SINGING Plant” aiming to develop advanced algorithmic approaches to automated plant phenotyping using multimodal image data acquired with visual light, fluorescence and 3D cameras.

The scope of research activities includes development of methods for image enhancement, segmentation, classification using supervised and unsupervised machine learning techniques. The work will be done in a collaboration with Photon Systems Instruments (PSI), a company working in the field of plant phenotyping.

Supervisor: Dr. Evgeny Gladilin (CEITEC & IPK Gatersleben)

Co-supervisor: Assoc. Prof. Jan Hejátko, Ph.D. (CEITEC)

We offer: The successful candidate will be given an opportunity to work in a state-of-the-art scientific environment on the rapidly growing interdisciplinary field of biological image analysis and quantitative species phenotyping. The position is available from September 2018.

We expect: We are looking for motivated researchers with a degree in informatics, mathematics, physics or similar educational background and previous experience in image analysis, computer vision, machine learning. Good programming skills in one or more scientific programming languages (e.g., MATLAB, Python, Java, C/C++, Linux shell scripting) are mandatory. The successful candidate is expected to have good communication skills in English language.

Contact and further info: gladilin@ipk-gatersleben.de; Research group Image Analysis at IPK

Information about Brno, Czech Republic

- The capital of South Moravian Region and the second largest city in the Czech Republic with a population of almost 400,000 people
- Modern, dynamic and fast growing centre of industry, trade, science, research and innovation with business incubators and centres of excellence in science
• A city of universities with more than 86,000 students
• More than 10,000 researchers; 2,200 IF publications/year; 600+ PhD graduates/year,
• 500 mil. EUR of R&D investment per year, more than 350 companies with in-house R&D,
• City of Gregor Mendel, the founder of genetics; the prestigious Mendel Lectures series takes place in Brno since 2003 (lectures of the world´s top scientists, including Nobel Prize winners),
• Quality of life index in 2019

Further information

• CEITEC Welcome Office,
• Postdoc@MUNI
• Masaryk University
• Brno