

Postdoctoral position in plant physiology

Sensing water availability in environment by plants and consequent adjustment of transpiration rate is a complex process that includes several signalling mechanisms that may interact. This project will be focused namely on chemical long distance signals that are transported from root to shoot via xylem and mechanisms perception of these signals in leaf cells. Combination methods of plant physiology, biochemistry and molecular biology, should bring more insight in interplay between ABA and other signals delivered to leaves in transpiration stream and mechanisms of transduction of information from root signals to stomata. Temporal dynamics of the signalling process in response to changes in soil water availability will be also of interest. Work on this EU-funded project will be conducted in collaboration with PhD students and research partners at several institutions in Europe.

Position: full time position based at UCB of Masaryk University in Brno
(<http://www.muni.cz/kampus/?lang=en>)

Starting date: flexible - between February 1, 2013 and June 30, 2013

End date: fixed – June 30, 2015

Salary: competitive, dependent on experience, skills and performance

Extra budget available for lab consumables, conferences and research stays.

Required activities of postdoc

- Research (primary activity)
- Mentoring student(s)
- Presentations of methods and research results to students
- Presentation of research results at conferences
- Research stay(s) at collaborating institutions abroad
- Writing manuscripts of scientific publications

Requirements for application

- PhD in plant physiology or closely related area awarded after 28.3. 2008.
- Publication record in international journals with impact factor.
- Good knowledge of English language.
- Good organisational and communication skills.

Desired skills: experience with methods in - molecular biology, - biochemistry, - analysis of signalling pathways in plants

Application in English should include:

- Motivation letter
- Curriculum vitae
- List of publications
- Two letters of recommendation

More information about position can be obtained from Dr. Vít Gloser, Department of Experimental Biology, Faculty of Science, Masaryk University, Brno, Czech Republic.

Candidates should send complete applications to VitGloser@sci.muni.cz.

Deadline for submission of applications was extended till January 25 2013.