

The **Department of Plant Biophysics and Biochemistry** in the **Biology Centre of the Academy of Science, České Budějovice, Czech Republic**

searches candidates for

1 scientist (PhD) with at least 2 years post-doctoral experience

Position summary

The scientist will pursue research on metal(loid)s in plants and other photosynthetic organisms in terms of biochemistry and biophysics of micronutrient nutrition, toxicity and detoxification. Research will be on the organismic, cell/tissue and molecular (DNA, RNA, protein, metabolite) level. We are looking for a candidate who wants to join the department long-term.

Workplace

The department of **Plant Biophysics and Biochemistry** (headed by Prof. Hendrik Kupper) is part of the **Institute of Plant Molecular Biology**.

For details of the institute see <http://www.umbr.cas.cz/>,

for details of the research of the department, see

http://webserver.umbr.cas.cz/~kupper/AG_Kuepper_Homepage.html

Duration of contract

The selected candidate will have an initial appointment for 1 year (with 3 months probation period) starting on 1 January 2017 (or later, depending on availability of the candidate and administrative procedures such as visa/work permit applications). Long-term extension is intended depending on the performance of the candidate and his/her integration in the group. The wage will be depend on scientific performance.

Qualification

Interested candidates must have successfully obtained a PhD degree in a relevant discipline and should have previous experience in plant sciences, ideally combined with experience in metal(loid) metabolism and a strong background in biophysics and/or biochemistry. Furthermore, the candidate should have theoretical expertise and practical experience in at least two of the following areas: physiology, biophysics, analytical chemistry, biochemistry, protein biochemistry. Practical experience in, and theoretical understanding of, at least some of the following techniques will be required: Chlorophyll fluorescence kinetics, advanced UV/VIS absorption and fluorescence spectroscopy, X-ray absorption and emission spectroscopy (XANES, EXAFS, XRF, EDX, PIXE), ICP-MS, GF-AAS, polarographic gas exchange measurement, HPLC, chromatographic protein purification, metalloproteomics, enzyme assays, mass spectrometric identification of proteins, over-expression and knockout/knock-down of genes. An interest in environmental questions and problems would be a further benefit.

The candidate needs to have a good knowledge of spoken and written English in order to be able to fluently communicate with the team and to write scientific manuscripts for publication in international journals.

How to apply

Interested candidates should apply no later than 30 November 2016, by submitting the following documents and information **combined into a single complete pdf file** to hendrik.kuepper@umbr.cas.cz:

- A cover letter (max. 2000 words) explaining the candidate's research interests and why he/she believes to be suitable for this post
- A detailed CV including a list of publications in peer-reviewed international journals and books (each with number of citations until now according to Scopus or Web of Science) and other achievements
- Certified academic transcripts and diplomas (scanned copies)
- A list of minimally two referees whom we may ask by telephone or e-mail before or after the interview.

Announcement of results

The evaluation committee will invite (min. 1 week in advance) shortlisted candidates for an interview to be held as a Skype videoconference in December 2016, and candidates will be informed of the results after max. 1 week.