

POSTDOCTORAL RESEARCHER IN STABLE ISOTOPE BIOGEOCHEMISTRY



BIOLOGY CENTRE CAS, INSTITUTE OF HYDROBIOLOGY
AND
NATIONAL RESEARCH INFRASTRUCTURE SOWA,
ČESKÉ BUDĚJOVICE, CZECH REPUBLIC

The National Research Infrastructure SoWa (Soil and Water) for the comprehensive monitoring of soil and water ecosystems in the context of sustainable landscape use has an opening for a postdoctoral researcher. Successful candidate is expected to conduct research in stable isotope biogeochemistry, in the field of soil and water chemistry, and to offer external expertise in her/his field to collaborating groups/institutes.

This is a challenging position, well suited for a biogeochemist with a PhD in stable isotope biogeochemistry or related specialization, with broad research interests. It is an exciting opportunity to participate in establishing the Stable Isotope Laboratory, equipped by IRMS with EA, pyr-GC/MS and HPLC interfaces, and developing her/his own research projects. The candidate will

work in an interdisciplinary team of chemists, limnologists, microbiologists, and soil scientists.

The candidate should have an experience with data evaluation and publication, and a track record of generating independent funding. Effective management of time and resources, and good interpersonal/leadership skills are essential attributes of the successful candidate for this position, in addition to technical expertise. Candidate experienced in the use, maintenance, and development of isotope mass spectrometers/analytical equipment will be favored. Good oral and written communication skills are required, as is the ability to supervise/mentor students and visiting scientists. On the longer term, the candidate is expected to lead a team working in her/his field of expertise.

About the employer

SoWa is a newly established part of the Biology Centre of the Czech Academy of Sciences, whose research predominantly addresses ecological topics, with a significant emphasis on biomedicine. The research involves collaboration across disciplines, the use of diverse methodological approaches (molecular biology, genetics, taxonomy, field ecology, mathematical modelling, etc.), and a combination of analytical and holistic approaches to problem solving. Core facilities with

shared equipment support all of the Centre's scientific institutes. SoWa will primarily support research aimed at understanding the key physicochemical and biological processes responsible for providing ecosystem services, water runoff, water purification and nutrient cycling (particularly nitrogen and phosphorus) with emphasis on organic matter decomposition and nutrient release. The main focus will be on ecosystems under heavy anthropogenic pressure.

Further particulars

The position is available from September 1, 2016 onwards. The position is initially offered for 12 months, with a possible extension of up to 3 years, based on initial performance. Applicants wishing to further extend their contract beyond this period will be expected to secure at least part of their research through extramural funding.

Information

For additional information please contact:
Prof. Hana Šantrůčková or Dr. Petr Porcal
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Website: www.hbu.cas.cz

FTE: 1.0

CLOSING DATE: open until filed

Application

Applicants should submit a complete resume, list of publications, a statement of research interest and motivation for the application, and the names and contact information of two professional references, by email with subject: SoWa-IRMS to: Dr. Jakub Borovec: jborovec@hbu.cas.cz