HELMHOLTZ CENTRE FOR ENVIRONMENTAL RESEARCH – UFZ

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz community. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

The Department of Hydrogeology is offering the following vacancy within the EU funded Initial Training Network project "Ecohydrological interfaces as critical hotspots for transformations of ecosystem exchange fluxes and biogeochemical cycling" (INTERFACES) as of 1st February 2014:

PhD student - Early Stage Researcher (m/f)

Limited to 3 years

Subject: Development of optical sensors for measuring dissolved oxygen and carbon dioxide at sediment-water interfaces

Your duties:

- Development, test and application of optical sensors for measuring dissolved oxygen as time-variant key parameter that controls the spatial fluctuations of aerobic/anaerobic zones at interfaces such as hyporheic and riparian zones
- Application of these sensors in different field conditions in collaboration wit the fellows at the partner institutes

Your profile:

- Master´s degree in environmental sciences, environmental engineering, chemistry or related subjects with a strong background in optical sensor techniques and basic knowledge in electrical engineering
- Knowledge in flow and solute transport in porous media
- excellent communication skills, capacity for teamwork, flexibility and an interest in inter-disciplinary research

Marie Curie requirements for this position:

- The applicants should have less than 4 years full-time equivalent research experience from the award of the degree which entitles them to undertake a doctorate
- Applicants can be of any nationality but at the time of selection must not have resided or carried out their main activity (e.g. work or studies) in Germany for more than 12 months in the 3 years immediately prior to the starting date of the fellowship

We offer:

- Excellent technical facilities which are without parallel
- The freedom you need to bridge the difficult gap between basic research and close to being ready for application
- Work in inter-disciplinary, multinational teams
- Excellent links with national and international research networks
- Excellent support and optimal subject-specific and general training with our HIGRADE graduate school
- Salary, working hours and terms of employment will be in accordance with the Marie Curie rules of the European Commission (ec.europa.eu/research/mariecurieactions/)

Your application:

We look forward to receiving your full e-mail-application quoting the **reference 98/2013** at **bewerbung@ufz.de.**

Helmholtz-Zentrum
für Umweltforschung GmbH – UFZ
Personalabteilung
Permoserstraße 15
04318 Leipzig

Closing date for applications: 31.12.2013

Equal opportunities are an integral part of our personnel policy, we therefore particularly welcome applications from qualified women. Severely disabled persons are given priority where applicants are equally qualified.

Your contact for any questions
you may have about the job:
Christian Schmidt
E-mail: christian.schmidt@ufz.de
Tel.: 0341/235-1986

Place of work: Leipzig

www.ufz.de/careers

trendence Young Professional Barometer 2012/13 DEUTSCHLANDS 100 Top-Arbeitgeber

kununu TOP COMPANY VON MITARBEITERN EMPFOHLEN!