



The environment  
needs people like you  
to move heaven and  
earth with us →



**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:**

Dr. Oliver Lechtenfeld  
oliver.lechtenfeld@ufz.de

**Closing date for applications:**  
31.03.2018

**Place of work:** Leipzig

Please use our online application system for your application.

More information about jobs at the UFZ:

[www.ufz.de/career](http://www.ufz.de/career)

Helmholtz-Zentrum für  
Umweltforschung GmbH - UFZ  
Permoserstraße 15  
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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 association. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

A joint PhD cohort with partners from the National Park, University Bayreuth, Technical University Dresden and Research Institute Senckenberg is committed to investigate the influence of natural factors on concentration, quality and effects of dissolved organic carbon in the National Park "Bayerischer Wald". Planned work will focus on a detailed mechanistic investigation of DOC mobilization into the stream at contrasting hydrologic and topographic conditions and will be done in a collaboration with the Department of Hydrology, University of Bayreuth.

## PhD Position (m/f)

**Subject: Biogeochemical mechanisms of organic carbon mobilization from the catchment of the river "Große Ohe"**

Start of the project is 1<sup>st</sup> of July 2018 and it is limited for 3 years.

### Your tasks:

- Analysis of DOC samples with ultra-high resolution mass spectrometry (FT-ICR MS)
- Analysis of supplementary parameters (nutrients, lignin, optical data)
- Field work in the National Park "Bayerischer Wald"
- Laboratory experiments with soil mesocosms
- Participation in training courses, workshops and conferences
- Joint interpretation of data with hydrologic and biological project partners

### Your profile:

- Master's degree in Chemistry, Environmental Sciences, Geosciences or related natural sciences
- Strong background in at least one of the following disciplines: biogeochemistry, organic geochemistry, geo-ecology, hydrochemistry or related fields
- Skills in organic (ultra-) high resolution mass spectrometry as well as statistics and programming (R, Python, Matlab) are highly desirable
- Ability to work independently and motivated to work in an interdisciplinary team
- Able to perform physically demanding work under harsh field conditions (mountain field sites at approx. 1000 m altitude)
- Driving license required

### We offer:

- The PhD candidates will receive a monthly scholarship of 1200 € from the "Rudolf und Helene Glaser-Stiftung"
- Top level interdisciplinary research at a research centre which enjoys an excellent reputation within Germany as well as internationally
- Excellent technical facilities
- Work in inter-disciplinary and multinational teams
- Excellent links to national and international research networks
- Support and optimal training courses by our graduate school (HIGRADE)

APPLY HERE!