

Postdoctoral Scientist

Helmholtz Center for Environmental Research – UFZ Leipzig, Germany

The Helmholtz Centre for Environmental Research – UFZ is a research institution within the Helmholtz Association. It provides scientific contributions to the safeguarding of the natural basis of life and of human development potentialities for current and future generations under the challenges of global and climate change. In this way the UFZ contributes towards a sustainable development.

The Department of Effect-Directed Analysis invites applications for a Postdoctoral Scientist (m/f) on Nontarget screening method development for emerging contaminants in human biomonitoring. (Code digit: 17/2011)

The department focuses on the identification of hazardous compounds, on the establishment of cause-effect-relationships and on risk assessment of environmental contaminations. It offers a stimulating research environment and well-equipped analytical laboratory including LC-LTQ-Orbitrap mass spectrometer, several GC/MS, preparative capillary GC, preparative and analytical HPLC, GPC, accelerated solvent extraction as well as extensive software for property estimation, molecule generation and structure elucidation.

The successful candidate will develop target- and nontarget screening methods to detect new and emerging contaminants in human samples based on GC-MS and LC-high resolution MS/MS techniques. He/she will identify compounds of interest for a future inclusion into human biomonitoring studies as a central tool of health-related environmental surveillance.

We are looking for a highly motivated Scientist who holds a PhD in organic analytical chemistry or a closely related field. We expect a profound knowledge in the analysis of small molecules by LC-MS/MS and/or GC-MS and related sample preparation techniques. Experiences in human biomonitoring and structure elucidation of organic compounds by mass spectrometry are appreciated. We expect capacity for teamwork, excellent communication skills, flexibility, and an interest in interdisciplinary research.

Proficiency in spoken and written English is essential. Good knowledge in German language is highly appreciated.

The position is open from **1st of March 2011**. The position is intended for full-time employment and available for 33 months.

The place of work is Leipzig, Germany. Salary will be according to civil service level TVöD 13.

The UFZ is an equal opportunity employer. Women are explicitly encouraged to apply to increase their share in science and research. Physically handicapped persons will be favoured if they are equally qualified.

Further Information: Dr. Martin Krauss: phone: ++49-(0)341-235-1530, mail: martin.krauss@ufz.de.

Applications with a detailed CV (including a brief description of research interests, previous employments, publication list, and contact details of at least two references) should be sent under the code digit 17/2011 to: Helmholtz Centre for Environmental Research – UFZ, personnel department, P.O. Box 500136, 04301 Leipzig or by E-Mail to application@ufz.de. Applications are taken until the position is filled.

Posted February 2011