



The Leibniz-Institute of Freshwater Ecology and Inland Fisheries (igb-berlin.de) is the largest freshwater ecology research institute in Germany. It is a member of the Forschungsverbund Berlin e.V. and the Leibniz-Association (www.wgl.de). The FVB manages 8 large research institutes in Berlin that have close links to all three universities in the German capital.

The Department Chemical Analytics and Biogeochemistry of IGB is offering a

Research assistant position Aquatic Biogeochemistry (f/m)

Controlling of phosphorus fluxes in urban systems

The position is integrated in the interdisciplinary research training group “Urban Water Interfaces”(UWI) funded by the German Research Foundation DFG). The aim of the joined project of Technische Universität Berlin (TU Berlin) and the Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) is to educate engineers and natural scientist together and to achieve a new quality of general process understanding in urban water systems.

Subproject description: Phosphorus (P) is an increasingly scarcer resource for fertilizer production and the main trigger for eutrophication of lakes and rivers. The project will focus on analogous processes at natural interfaces (lake sediments) and technical interfaces (waste water treatment plants) acting as sinks in the urban P flow. Special emphasis will be given to the role of microorganisms as temporary P storage and to the formation of P minerals. The envisaged improved mechanistic understanding is to serve as a basis for quantitative P modelling. In the long term, the research will help to optimize management strategies in urban aquatic ecosystems by combining water protection with P recovery technologies.

We are seeking a creative researcher who enjoys working in an interdisciplinary scientific team. The successful candidate holds a university degree (Master, Diploma or equivalent) in Aquatic Ecology, (Geo)chemistry, Environmental Chemistry, Environmental Technology or a related field. The candidate should be interested in linking experimental and modelling approaches. The focus of the projects is variable and will depend on the expertise and interests of the selected candidate. Supervisors: Dr. Michael Hupfer (IGB) and Prof. Reinhard Hinkelmann (TUB). Host organization: Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin.

Salary is paid according to the civil service pay scale (TVöD/Bund; 75% position). The duration of employment is initially limited to 1.5 years with the option of an extension for another 1.5 years.

In keeping with IGB's policy on gender equality, women are particularly encouraged to apply. Severely disabled applicants with equal qualification and aptitude will be given preferential consideration.

For further information, please contact Dr. Michael Hupfer, Speaker of the IGB Research Domain ‘Aquatic Boundaries and Linkages’ (hupfer@igb-berlin.de); Tel: +49 30 64181605.

Please upload your complete application (CV, cover letter indicating research interests and experience, and the name and contact details of two references) via the IGB's online-job-platform at <http://www.igb-berlin.de/job-offers.html> (button “Apply online”). For full consideration, applications should be received by **30 June 2018**.