



The Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB) is the largest freshwater ecology research institute in Germany. It is a member of the Forschungsverbund Berlin e.V. and the Leibniz-Association (www.leibniz-gemeinschaft.de). The FVB manages 8 large research institutes in Berlin that have close links to all three universities in the German capital. IGB offers excellent laboratory and field facilities for interdisciplinary research, large-scale experimental facilities, and long-term research programs and data sets. Within the framework of two projects funded by the German Research Foundation (DFG), IGB invites applications for

two postdoctoral researchers

in the field of physics of natural fluids (physical limnology). Both projects are interconnected thematically and supposed to be performed in a close partnership. One project is part of German-Chinese collaboration and addresses the first ever detailed assessment of the physical processes in the lake system of the Plateau of Tibet – one of the key regions for the global climate system. The other project is a German-Russian initiative aimed at estimation of the physical drivers of the vertical carbon flux with the particular organic matter, with study objects in western Siberia and Germany.

The positions are **available immediately** and **limited initially to 2 years**.

We offer: interdisciplinary working environment, advanced instrumental base for investigation of turbulence in low mixing stratified environments, with ability to perform medium-scale long-term field experiments. Access to the most fascinating research objects worldwide: lakes of Tibetan Plateau, Lapland, and western Siberia, as well as Lake Baikal, Aral Sea, and Issyk-Kul.

Duties and responsibilities

- Participation in design and performance of field experiments
- Analysis of small-scale data on turbulent mixing including shear microstructure, acoustic Doppler velocimetry and particle image velocimetry
- Development of process-based models and performing of model experiments on vertical mixing and transport of particulate and dissolved matter

Requirements

- PhD in aquatic sciences, physical oceanography, fluid mechanics, environmental engineering or related fields
- Ability to perform independent research supported by a record of quality scientific publications
- Excellent communication skills in English and skills in interdisciplinary team work
- Adequate physical shape and readiness to carry out field work at remote sites, including the high-altitude conditions of Tibet
- Experiences in turbulence measurements, image processing, and operation of submersible remote operated vehicles are of advantage but not required

Salary is paid according to the TVöD (100% position). In keeping with the IGB's policy regarding gender equality, female applicants are particularly encouraged. Severely disabled applicants with equal qualification and aptitude are given preferential consideration.

Enquiries or questions should be directed to **Georgiy Kirillin** (030/64181-669, kirillin@igb-berlin.de)

Please upload complete application documents as a single pdf-file including CV, a letter of motivation, copies of relevant degrees and contact details of two referees as soon as possible, but no later than **November 25th, 2017** via the IGB's online job-application facility (www.igb-berlin.de/job-offers.html) (button "Apply online").

We are looking forward to your application!