



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.wgl.de). IGB offers excellent laboratory and field facilities for interdisciplinary research, large-scale experimental facilities, and long-term research programs and data sets.

The project **CONNECT – Connectivity and synchronisation of lake ecosystems in space and time**, funded by the Leibniz Association within the funding line “Collaborative Excellence”, will establish a collaborative network between experts in freshwater ecology and remote sensing (RS) to study connectivity and coherence of lake ecosystems in a regional context at unprecedented temporal and spatial resolution. This research frontier will be challenged by an innovative combination of automatic high-frequency *in situ* measurements with state of the art near-to far RS technology. CONNECT will provide data of unsurpassed spatio-temporal coverage, needed to understand and manage river-connected lake ecosystems in times of climate change, which – by changes in hydrology – will affect their connectivity.

As part of the project **CONNECT**, we offer a

Postdoc Position

on *in-situ* measurements of plankton distribution and dynamics in water bodies at high temporal and spatial resolution for bio-optical modelling and algorithm development in close collaboration with DLR¹, TUM² and HZG³. The Postdoc will ground-truth RS data by analyzing phytoplankton communities using high throughput approaches (e.g. FlowCam) and pigment analyses (e.g. HPLC, spectro-fluorometry). The postdoc will also be co-responsible for coordination of an experiment on lake connectivity to be conducted in the IGB-LakeLab mesocosm facility (<http://www.lake-lab.de>), in close collaboration with the CONNECT team. The Postdoc will further be responsible for organizing one project meeting and be involved in the conduction of field campaigns on monitoring lake chain systems in the Berlin-Brandenburg area with a combination of near and far remote sensing tools and *in situ* measurements.

For further information, contact **Stella Berger** (berger@igb-berlin.de), **Sabine Wollrab** (wollrab@igb-berlin.de) and **Jens Nejtgaard** (nejtgaard@igb-berlin.de).

We are seeking to recruit outstanding scientists to establish an innovative research program with high international visibility. As the envisioned science will be cross-disciplinary, competitive applicants will hold a **PhD in biology, geosciences or physics**, with a **strong background in (phyto)plankton ecology** as well as **measurements of optical constituents in water**. Solid knowledge in bio-optical modeling and algorithm development is beneficial. The position is available for 30 months starting in June 2018 and will be based at the department “Experimental Limnology” in Neuglobsow, Germany.

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.

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 **March 30th, 2018**, via the IGB's (<http://www.igb-berlin.de/en/jobs>) online job-application facility (button “Apply online”).

1 German Aerospace Center, 2, Technical University Munich, 3 Helmholtz Centre Geesthacht,