

In the project „Biological invasions in lakes – genetic diversity, local adaptation and timing“ funded by the German Science Foundation a PhD-position for 3 years (65 % TVL 13) is available.

The candidate will perform laboratory experiments with the invasive cyanobacterium *Cylindrospermopsis raciborskii*. The aim is to investigate the role of genetic diversity of the invader and of the resident community on the invasion success of *C. raciborskii*. Additionally, the timing of potential invasion events and the potential of local adaptation of the planktonic consumer (*Brachionus calyciflorus*) will be studied. The work comprises laboratory experiments with phytoplankton communities (microscopy), genetic analyses, grazing experiments and mathematical modeling. The potential start of the project is in early 2014. Candidates should hold a Master's degree in ecology above average and should have a good background in plankton ecology, additional knowledge in microbiology/genetics, invasion biology and mathematical modeling is highly welcomed as well.

Applications in electronic form, preferably in pdf-format, should be send as soon as possible and should include a cover letter, a detailed curriculum vitae stating the pre-knowledge in the relevant fields, copies of degree certificates, and names and contact information of two references to weithoff@uni-potsdam.de. If you have any inquiries please use the same E-Mail address. Review of applications will begin February 3rd 2014 and will continue until the position is filled. For more specific information see also the web page:

<http://www.uni-potsdam.de/ibb/arbeitsgruppen/ordentliche-professuren/oekologie/mitarbeit/guntram-weithoff.html>

The working group “Ecology and Ecosystem Modelling” provides an active and stimulating research environment as well as excellent research facilities to conduct the project. The group focuses on basic research in population ecology and food web theory. The successful candidate is invited to actively participate in the Potsdam Graduate School UPGrade which offers e.g. an education program on ecological modelling and on different ecological and evolutionary aspects of species, population and community ecology. Potsdam is an attractive town of about 170,000 inhabitants, is UNESCO world heritage and due to its close vicinity to Berlin covers a broad spectrum of all kinds of cultural activities.