

## **J O B O F F E R No. : 2016/254**

The University of Konstanz, with its "Institutional Strategy to promote Top-Level Research", has been receiving continuous funding since 2007 within the framework of the Excellence Initiative by the German Federal and State Governments.

The Research Training Group "**R**<sup>3</sup> – Responses to biotic and abiotic changes, Resilience and Reversibility of lake ecosystems" funded by the Deutsche Forschungsgemeinschaft (DFG) and based at the University of Konstanz welcomes applications for up to

### **15 PhD Positions (Salary Scale 13 TV-L/65 %-75 %)**

for a three-year structured program. The RTG will start **on 1 April 2017**.

The scientific goal of this RTG is to study the mechanism resulting in the resilience of lake ecosystems to environmental change. Our approach is to study the response of a model system – Lake Constance – with a multitude of different approaches and from different viewpoints, i.e., combining classical and novel methods such as population genomics and metagenomics approaches, metabolic profiling, compound-specific stable-isotope analyses, comparative multi-species experiments, paleo-limnological and resurrection ecology approaches, time-series analyses, and numerical simulation models. The RTG will use these methods to study lake responses in three tightly linked research areas:

***Response, resilience and reversibility of ecosystem structure,  
Response, resilience and reversibility of biotic interactions  
Response, resilience and reversibility of carbon and nutrient flows***

We offer a **structured doctoral qualification programme** combining a mentoring program, specific lectures on research and applied questions in ecology and limnology, a seminar and visiting program among students, flexible one-week courses, transferable skills courses, visits by guest researchers, and annual retreats. Furthermore you can expect a highly stimulating research environment.

Further information about the Doctoral positions, and the scientists involved can be found at: <http://www.rtg-resilience.uni-konstanz.de>.

The University of Konstanz encourages disabled persons to apply. They will be given preference if appropriately qualified (contact + 497531/88-4016 und 88-2834).

The University of Konstanz is an equal opportunity employer that tries to increase the number of women in research and teaching.

The University of Konstanz has been certified as a family-friendly institution by the Hertie Foundation and is committed to further the compatibility of work and family life.

The University of Konstanz offers a „Dual Career Couples Program“. Information can be obtained from: <http://www.uni-konstanz.de/dcc>.

#### **Requirements:**

Excellent Master (or equivalent) in ecology, biology, physics, biology, microbiology, bioinformatics, mathematics depending on RTG project. We expect strong motivation, good communication skills and the ability for teamwork.

#### **For application, please submit:**

- motivation letter, including interests, motivation to become part of the RTG, ranking of 3 preferred projects, specific qualifications for chosen projects,
- curriculum vitae including degree certificates,
- abstract of master thesis,
- two letters of recommendation.

Interested candidates should submit their application containing the above mentioned documents **including reference number 2016 / 254** in *one PDF file* to the speaker of the RTG, Prof. Dr. Frank Peeters, [RTG\\_resilience\\_joboffers@uni-konstanz.de](mailto:RTG_resilience_joboffers@uni-konstanz.de).

Review of the applications will begin on **9 January 2017** and will continue until the positions have been filled. Selection of invited applicants will be done at a two-day workshop in the 2<sup>nd</sup> half of February 2017 at the University of Konstanz.