

## PhD Position (Wissenschaftliche/r Mitarbeiter/in) at the Chair of Aquatic Systems Biology

01.08.2017, *Wissenschaftliches Personal*

Research in the field of 'Aquatic Systems Biology' addresses the following core questions: What governs the productivity and biodiversity distribution in aquatic ecosystems? How and to what extent do natural and anthropogenic factors affect the functioning of these systems? How can effective strategies for aquatic biodiversity conservation be developed which consider both ecological and genetic processes? For our EU-Project "FIThydro – Fish friendly Innovative Technologies for hydropower" we are looking for a talented and highly motivated researcher in part-time (50%), temporarily employed until December 31st 2019, with option for elongation of one year.

### Work description:

- Planning, organising and conducting literature research, laboratory experiments as well as large field experiments on the topic of fish damage at hydropower facilities
- Statistical data analysis, interpretation and publication in peer-reviewed international journals
- Presentation of the results in English language at project meetings and conferences
- Writing project reports in English language
- Supervision of Bachelor- and Mastertheses

### What we expect:

- Masters degree or diploma in Biology, ecological engineering or similar specialties
- Willingness to study new subjects and techniques
- Self-contained, responsible and dedicated working in the team
- High flexibility, willingness to work in the field during any weather conditions
- Creativity to develop own research ideas
- Strong background in uni- and multivariate statistics as well as modelling
- Drivers license (class B)

### What we can offer:

- Challenging and diverse tasks within the framework of an innovative Project
- Possibility to develop and realise own ideas
- Thorough familiarisation and possibilities for advanced training
- Comfortable working atmosphere
- In case of sufficient qualification possibility for graduation

Salary is according to the level TV-L E 13 of the German public sector. As part of the Excellence Initiative of the German federal and state governments, TUM has been pursuing the strategic goal of substantially increasing the diversity of its faculty. As an equal opportunity and affirmative action employer, TUM explicitly encourages nominations of and applications from women as well as from all others who would bring additional diversity dimensions to the university's research and teaching strategies. Preference will be given to disabled candidates with essentially the same qualifications. For further information, please do not hesitate to contact:

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Dr. Melanie Müller, [melanie.mueller@tum.de](mailto:melanie.mueller@tum.de), 08161712173

The application should include a brief statement of interests/motivation letter, a curriculum vitae, copies of certificates, a summary of the master thesis, names of references, and (if already available) a list of publications.

Please send your application (in one file in pdf format; in English or German) by email until October 15th 2017 to [aquasys@tum.de](mailto:aquasys@tum.de)