

Internship possibility at the Chair of Aquatic Systems Biology, Technical University of Munich, School of Life Science Weihenstephan

18.10.2018

The chair of aquatic system biology addresses the questions of how and to what extent natural and anthropogenic factors affect the functioning of aquatic ecosystems. In the research fields of hydropower use, global warming, effects of increased fine sediment loads and mussel conservation we are currently searching for an intern for the timeframe November 2018 until March 2019. The internship is fulltime and for minimum one and maximum three months duration.

Tasks and Qualification:

The intern will be involved in different research projects and work on the following tasks:

- Pre-sorting and determination of macroinvertebrates from hydropower-impacted rivers.
- Evaluation of fish injury caused by pumping stations (stow-net fishing, electrofishing).
- Working on fish injury data from innovative hydropower plants in Microsoft Access and statistic software.
- Drone-based thermal Infra Red (TIR) imagery acquisition and processing and subsequent ArcGIS analysis.
- Flume- and field experiments on the effects of sedimentary properties and thermal regimes on fish egg development.
- Substratum analyses to determine grain size distributions and organic content in sediment trap samples in mussel rivers.

The internship can be funded according to the Intern-directive of the TdL. It can also be combined with an ERASMUS internship. Severely handicapped persons will be given preference in case of equal qualification. The TUM aims to increase the share of women in jobs and therefore explicitly welcomes applications from women.

Start and duration of the internship will be set by arrangement. For further information please contact

Dr. Melanie Müller, melanie.mueller@tum.de, 08161-71-2173, or:

Please send your digital application, including cover letter, marks, CV and references in one pdf-file to melanie.mueller@tum.de

We look forward to hearing from you!

