



PhD Position on Flow Intermittency on Hyporheic Biogeochemistry

The inter-university center for aquatic ecosystem research, WasserCluster Lunz, Austria (www.wcl.ac.at) will hire a PhD-Student to study the effects of flow intermittency on biogeochemical processes in the hyporheic zone. The project will run from 2018 to 2020 under the lead of Gabriele Weigelhofer (University of Natural Resources and Life Sciences Vienna (BOKU)) and Jakob Schelker (University of Vienna).

The successful candidate will be conducting his/her PhD thesis based on experimental work with hyporheic flumes close to the Oberer Seebach in Lunz am See. The candidate will be enrolled as a PhD student at BOKU within the discipline of aquatic ecology.

The ultimate aim of the project is to evaluate the importance of droughts and flow intermittency on nutrient and carbon cycling, and self-purification of gravel bed streams. The successful candidate is expected to set-up and maintain relevant field experiments, perform water chemical analysis and publish the results in scientific journals.



We are looking for a highly motivated candidate that holds an MSc degree in a relevant subject (aquatic ecology, biogeochemistry, aquatic microbiology, hydrology, geosciences). The successful candidate shall have experience in field based work on streams or groundwater, good skills in lab-work, data handling and data management. Further, competences in modelling and statistics are assets. The candidate should be able to conduct independent research, to work in an international team and must have good verbal and written language skills in English.

Application

Please send your letter of motivation (max. two pages), a CV (including publications, if available) and max. three letters of recommendation to Dr. Gabriele Weigelhofer (gabriele.weigelhofer@wcl.ac.at).

Deadline for application is 31 of December 2017. **Starting date:** February 2017 or upon agreement. The duration of the contract will be three years at FWF PhD-salary. The place of work will be the WasserCluster Lunz.