

From: Matthews, Blake
Subject: PhD_EvolutionaryEcology.Zurich_Switzerland

We have an open 4-yr PhD position to study the evolutionary ecology of aquatic ecosystems, at the Center for Ecology, Evolution, and Biogeochemistry in Switzerland

The student will work on a recently funded SNF project entitled “Eco-evolutionary dynamics in aquatic ecosystems”.

The aim of the project is to understand the interactions between rapid trait evolution, community dynamics, and ecosystem functions. The project can involve a combination of quantitative genetics of functional traits, large-scale experiments in mesocosms and ponds, and comparative work on relationship between functional trait variation of stickleback and the biomass and community composition of their prey. The experimental work will be based in Switzerland, and some of the field work will be conducted in Southern Greenland. Overall, the project will investigate the ecosystem consequences of rapid trait evolution, and the potential for feedbacks between trait and ecosystem dynamics.

We are interested in candidates with a background in community ecology and evolutionary biology, with an interest in ecosystem dynamics. Interest and prior experience with field ecology would be an asset, as would experience with any of genetics, genomics, biodiversity analyses, or time-series analysis.

The starting date for the PhD student is flexible, but earlier start dates are strongly preferred. A masters degree is required to apply.

Eawag’s Center for Ecology, Evolution & Biogeochemistry (CEEB) is located on the shore of Lake Lucerne and is a strong nucleus of Eawag research groups aimed at integrating evolutionary biology, community ecology, and ecosystem science. The PhD student will interact with a diverse range of researchers studying community ecology, evolutionary biology, ecological genetics, ecosystem science, and applied environmental science.

The project is led by Dr. Blake Matthews (<http://homepages.eawag.ch/~matthebl/Welcome.html>), and involves collaborations with other research groups at CEEB, including Prof. Ole Seehausen, Dr. Jakob Brodersen, and Dr. Philine Feulner.

Please submit your application by 15 November 2017. We look forward to receiving your application. Applications should include a cover letter, a curriculum vita, and the names of three references. PDFs of publications or Master’s theses would also be appreciated.

Please submit your application via the Eawag Jobs & Career webpage, any other way of applying will not be considered. Please click on the link below, this will take you directly to the application form : <https://apply.refline.ch/673277/0555/pub/1/index.html>

For further information please contact Dr. Blake Matthews by email:

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