

Postdoctoral Lake Research position at APHYS, ENAC-EPFL

The Laboratory of Physics of Aquatic Systems (**APHYS**) at the Institute of Environmental Engineering ENAC / EPFL Lausanne (Switzerland) has an opening for an early-career science postdoctoral position on **modelling primary production** (PP) in stratified lakes.

In collaboration with the Limnology Center at EPFL (<http://limnc.epfl.ch>) and partner institutions in and around Switzerland we have started an interdisciplinary project to estimate PP with new *in-situ* methods. To strengthen the team, we look for a postdoc with competence and experience in PP modelling. We expect a strong background in system analysis / model formulation, practical experience in working with large data sets from natural waters and the readiness and willingness to collaborate with related researchers in aquatic sciences, such as biology, biogeochemistry, remote sensing and hydrodynamics. As part of the interdisciplinary collaborative workstyle, we expect also participation in data collection on the to-be-built *Research Platform on Lake Geneva (LÉXPLORE)* for high frequency interdisciplinary measurements and from boats. For more information see the Aquatic Physics website (<http://aphys.epfl.ch/>). This position is meant for at least two years, with the potential of prolongation, for a candidate who looks for a career in aquatic sciences.

Your profile

- PhD in aquatic sciences, environmental engineering, system analysis or modelling
- Research interest and background in aquatic physics, modelling, large data sets and interdisciplinary aquatic sciences projects
- Excellent communication skills (presentations, facilitating meetings, communicative relation to aquatic scientists in different disciplines)
- Demonstrated interest in a scientific career including quality publications
- Excellent knowledge of English (French is of additional advantage).

Your tasks

- Build-up of PP modelling competences
- Collaboration on existing and newly-acquired data sets; joint publications with partner scientists; field measurements (turbulence / microstructure); organization of workshops in interdisciplinary environment
- Supervision of Masters / PhD students within projects.

Starting date: immediately, on the basis of competitive application (position is open until filled; **first interviews will be on 24 November 2017**).

Contract duration: minimum 2 years (further extension on mutual agreement).

Contact: Applications should include (i) the CV, (ii) a motivation letter along with a research outline and (iii) three contacts for reference letters. Please, send your application by e-mail to alfred.wueest@epfl.ch.