

OPEN PHD POSITION IN NANOCHEMISTRY IN BASEL, SWITZERLAND

University of Applied Sciences and Arts Northwestern Switzerland
Institute for Chemistry and Bioanalytics.

Muttenz-Switzerland

A funded position for a PhD student is available at the University of Applied Sciences and Arts Northwestern Switzerland in the Department of Chemistry and Bioanalytics.

In our group, we have recently developed a method to produce nanomaterials with virus recognition properties (*Nature Commun.* **2013**, *4*, 1503; *Chem. Commun.* **2015**, *51*, 2256) and adapted this method to the protection of enzymatic systems (*Angew. Chem., Int. Ed.* **2016**, DOI: 10.1002/anie.201600590). The so-protected enzymes showed outstanding stability under stress conditions.

In the present project, building upon our recent results, the selected candidate is expected to develop a novel class of metal-doped nanobiocatalysts able to catalyze chemical reactions in extreme environment with a focus on low temperatures.

We are looking for a talented and enthusiastic doctoral student with a strong passion for science and research. The successful candidate, eligible for registration as PhD student to the graduate program of the University of Basel, should have a MSc degree in Chemistry or Biochemistry (or equivalent) with a good knowledge in biocatalysis and a strong willingness to work in a multidisciplinary field. Proficiency in English is required.

The salary will be according to the Swiss National Science Foundation regulations.

The position is open and will start upon agreement.

Interested applicants should send a cover letter, a complete CV and the contact details of at least two referees, as pdf documents, to:

Prof. Dr. Patrick Shahgaldian

Email: patrick.shahgaldian@fhnw.ch