

Ph.D. Positions in Organic and Organometallic at EPFL, Switzerland

The Laboratory of Inorganic Synthesis and Catalysis, led by Prof. Xile Hu and in the Institute of Chemical Sciences and Engineering at the Ecole Polytechnique Fédérale de Lausanne, anticipates openings for Ph.D. positions. Our mission is to develop catalysts made of earth-abundant elements for chemical transformations pertinent to synthesis, energy, and sustainability. We are working in one of the following projects.

(i) Well-defined Fe catalysts for C—C bond formation and C—H functionalization. Here the focus would be on the development of catalyst-controlled stereo-selective reactions. An organic background is preferred. Experience with asymmetric catalysis is a plus.

(ii) Bio-mimetic and bio-inspired chemistry of [Fe]-hydrogenase. Here the focus is on the development of functional models and their applications in synthetic chemistry. An organometallic background is preferred.

Requirements:

A Master's degree in Chemistry is generally required. Knowledge and experience with synthetic organic/organometallic chemistry are desirable. Highly motivated and talented candidates are encouraged to apply. Applicants whose first language is not English are recommended to provide results of the TOEFL and/or GRE tests, or other measure(s) of English proficiency. The initial appointment will be for one year and is subject to annual evaluation and renewal. A maximum of 4 years may be taken to finish a Ph.D. thesis. More information about the doctoral program can be found at: <http://phd.epfl.ch/page55507-en.html>.

The position requires acceptance in the Doctoral Program of Chemistry and Chemical Engineering, for which you may file an application simultaneously at: <http://phd.epfl.ch/edch>.

Contact person: Ms. Anne-Lene Odegaard, annelene.odegaard@epfl.ch

Starting date: Any time in 2011.

More information about EPFL and the Institute of Chemical Sciences and Engineering can be found at: <http://www.epfl.ch/> and <http://isic.epfl.ch/index.html>.

Interested candidates should include a curriculum vitae, names and contacts of three references, and a statement of motivation and career objective. Due to time constrain, we will only reply to those who will be invited for interviews (paid by us, applicable to international applicants too). If you do not hear from me within 2 week of initial application, please assume that you application is declined.

For applications and further information please contact:

Prof. Xile Hu

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Webpage: <http://isic.epfl.ch/lsci>