

The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences within Switzerland. We perform cutting-edge research in the fields of matter and materials, energy and environment and human health. By performing fundamental and applied research, we work on sustainable solutions for major challenges facing society, science and economy. PSI is committed to the training of future generations. Therefore, about one quarter of our staff are post-docs, post-graduates or apprentices. Altogether, PSI employs 2100 people.

For the Electrocatalysis and Interface Group in the Electrochemistry Laboratory we are looking for a

PhD Student

MOF-based catalysts for alkaline electrolyzers

Your tasks

- Your work will be focused on the development of MOF-based catalysts for the anodic reaction of alkaline electrolyzers. The catalysts will be synthesized and characterized at PSI, in collaboration with different groups from PSI
- The project is part of the MARVEL National Centre of Competence in Research (NCCR), <https://nccr-marvel.ch/>, and it foresees collaboration with a theoretical group in MARVEL
- During your PhD you will interact extensively with your colleagues within the electrochemistry department, the Swiss Light Source and, international collaborators.

Your profile

Completed study in physical chemistry, chemical physics, chemistry, materials science or a closely related discipline, preferably with experience in electrochemistry and talent for experimental work. You have an active interest in experimental work and take the initiative for new solutions; being able to work independently in a collaborative and interdisciplinary research team. Good communication skills in English are required. You will be registered as a PhD student at ETH (www.ethz.ch) under the supervision of Prof T. J. Schmidt.

We offer

Our institution is based on an interdisciplinary, innovative and dynamic collaboration. You will profit from a systematic training on the job, in addition to personal development possibilities and our pronounced vocational training culture. If you wish to optimally combine work and family life or other personal interests, we are able to support you with our modern employment conditions and the on-site infrastructure.

For further information, please contact Dr Emilian Fabbri, phone +41 56 310 27 95.

Please submit your application online by

30 October 2020

(including addresses of referees) for the position as a PhD Student (index no. 5423-00).

Paul Scherrer Institut Human Resources Management, Mariusz Prus, 5232 Villigen PSI, Switzerland

➔ [Apply online now](#)