

Postdoctoral Position in Ionic Membrane Development

In the lab of Prof. Xile Hu at EPFL

Website: <https://lsci.epfl.ch>

(Availability: First half of 2024).

In collaboration with an energy company, we have a project on the development of ion exchange membranes for electrochemical energy conversion devices, for example redox flow batteries. We are looking for two postdoctoral researchers. They are expected to synthesize and modify monomers and polymers and prepare membranes, as well as test them, either in collaboration, or by themselves, in lab-scale redox flow batteries (5 x 5 cm²).

The successful candidate should have experience in one or more of the following relevant areas such as polymer synthesis, membrane preparation, membrane modification, and membrane engineering. Experience in redox flow batteries or electrochemistry is a plus, but it is not required. The postdoc will work in a small team that researches on various aspects on membrane science and engineering. Strong communication and team-work skills are required.

The position is initially for one-year. There is possibility to extend the position for one more year pending the progress and mutual agreements.

For all applications, please send your candidature to Prof. Hu via xilehu@gmail.com. Please include a CV, research interest, and names of two reference providers. In case of a large volume of applications, we can only reply to those who will be further considered for Zoom or onsite interviews. In this case if you do not hear from me within 2 weeks of initial application, please assume that your application is declined. Note that applications that do not meet the requirements stated above (e.g., necessary academic background) will not be replied.