

Electrochemist – Materials & Systems Development

About Hychor

At Hychor, we focus on researching and developing advanced hydrogen production technologies. By using direct seawater as a resource, our mission is to create clean, low-cost, and sustainable green hydrogen to drive the energy transition across the globe.

We're an ambitious team looking for motivated scientists/engineers to join us on our mission to power tomorrow with seawater!

The Role

The electrochemist will engage in the development and optimisation of our unique electrolyser stack. Responsibilities include investigating electrochemical properties of industrial and novel materials, conducting structured experiments, analysing performance of electrolyser and flow-battery stacks, and contributing to advancements in our core technologies.

This is a full-time, on-site role based in Aberdeen, Scotland.

Qualifications

- Proficiency in Electrochemistry - static and dynamic electrochemical analysis, EIS, RDE, and 2- and 3-electrode configuration experiments.
- Hands-on experience with electrochemical systems - electrolysers and/or flow batteries.
- Expertise in Research and Development, including designing and executing experiments
- Experience in use of analytical equipment - Mass Spectrometer, MP-AES, UV-Vis Spectrophotometer
- Strong problem-solving skills, and the ability to interpret complex data to drive innovative solutions
- A degree in Chemistry, Chemical Engineering, Materials Science, or a related field (Master's or PhD preferred)
- Collaboration and communication skills, with the ability to work effectively as part of a multidisciplinary team

Compensation

- £30,000 starting salary
- Employment Share Option Scheme

Please contact careers@hychor.com if you are interested in the position