

Job description

Job title

Chemical technician for polymer production and characterization

About NovaMea

NovaMea SA is an EPFL Startup located in an innovation park in the canton of Vaud (VD), Switzerland. The company aims to develop, produce, and sell electrochemical energy storage and conversion technologies and devices. The company currently focuses on anion exchange membrane water electrolyzers which can be used for the production of green hydrogen. NovaMea's technologies and products are superior to competitors in terms of cost, scalability, compatibility with renewable energies. The company expects to make a significant contribution to the construction of a zero-emission energy system.

Job summary

We are seeking a dedicated and detail-oriented technician to join our team. The Technician will assist in polymer production, laboratory work, characterization of polymer and testing membrane properties. This role is essential for the development of innovative membrane technologies for green hydrogen production. The full-time-equivalent of the job is 80%-100%.

Job location

Saint-Sulpice (VD); on-site

Starting time

June 1, 2025 or to be discussed.

Duties and Responsibilities

- Assist with experiments related to the scale-up of polymer production and membrane casting.
- Prepare and process samples for testing and analysis.
- Perform polymer and membrane characterization, including mechanical and physico-chemical properties testing.
- Operate and maintain laboratory equipment.
- Record and analyze experimental data, ensuring accuracy and reproducibility.
- Support the development of new membrane formulations and polymer processing methods.
- Follow standard operating procedures (SOPs) and maintain a clean, organized lab environment.
- Ensure compliance with laboratory safety protocols and environmental regulations.

The above list of duties and responsibilities is indicative. Other duties or responsibilities may be assigned after discussion.

Qualifications and skills

1. CFC (Swiss federal certificate of capacity) or above in Chemistry, Materials Science, Chemical Engineering, or a related field.
2. 1-3 years of experience in laboratory work, preferably involving polymers and membrane technology.
3. Strong problem-solving as well as organizational skills and willingness to learn new techniques.
4. Effective communication and teamwork skills.
5. Fluency in English, both spoken and written.
6. Authorization to work in Switzerland.

Benefits

1. Contributes to the development and implementation of a new cutting-edge green technology.
2. Opportunities for professional development and career growth.
3. Dynamic and collaborative work environment.

Applications

Please send your CV and application letter to Mr. Xingyu Wu, CEO, NovaMea SA, E-mail: xingyu.wu@novamea.swiss

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