

## **SEPPURE**

Organic solvent nanofiltration (OSN) is a molecular separation method which offers a sustainable and reliable solution compared to the conventional energy-intensive separation processes such as distillation and evaporation. OSN can be successfully applied to several applications, such as food, pharmaceutical, petrochemical and fine-chemical industries.

SEPPURE is developing a new generation of OSN membranes and relevant processes for food, pharmaceutical, petrochemical and fine-chemical industries.

SEPPURE is now hiring chemists or engineers with membrane expertise as full-time and intern.

**Location:** Singapore

### **Role Summary:**

The applicants will be responsible for the polymeric membrane fabrication and module design as well as process development. Focus will surround the development of organic solvent nanofiltration membranes intended for use in food, pharmaceutical and petrochemical industries. The applicants will be involved in both laboratory and manufacturing environments.

### **Responsibilities:**

1. Fabrication of polymeric membranes (hollow fiber / flat sheet). Candidates having experience with equipment used in hollow fiber manufacturing are preferred.
2. Physical characterization of polymeric membranes (XPS, FTIR, XRD, SEM, TEM, etc.)
3. To design and develop membrane modules (hollow fiber / spiral wound)
4. Interpretation of the laboratory results to establish novel membrane-based processes to be applied in different industries. Candidates should be familiar with dead-end / cross-flow filtration.

**Qualifications:**

1. A Ph.D., Master's, Bachelor's degree in Materials, Chemistry, Polymer, Chemical or Environmental engineering or a related technical field.
2. Prior experience in membrane fabrication and membrane processes is preferred.
3. Self-motivated with excellent oral and writing English skills and communication capability.
4. Ability to carry independent research and work closely with other team members to achieve group goals is essential.
5. Preferred research or working experience in following areas:
  - a. Chemical Engineering: polymeric membrane fabrication including organic solvent nanofiltration (OSN) membranes
  - b. Environmental engineering: separation membrane applications including water and wastewater treatment, and molecular separation

**Benefits:** Competitive salary, A unique growth opportunity, Diverse responsibilities, Flexibility, an interesting/challenging working environment, Employee stock options.

To apply please send a cover letter outlining experience and qualifications as well as a copy of CV to [jobs@seppure.com](mailto:jobs@seppure.com) quoting "Membrane Development Expert".