

## Chemical Engineer/Membrane Scientist at Cleantech Start-up Osmoses

**Location:** Greater Boston, Massachusetts

**Company mission:** Industrial separation processes account for 15% of the world's energy consumption and are responsible for 16% of CO<sub>2</sub> emissions. This is because we still rely on energy-intensive, century-old technologies. The Osmoses team developed a clean solution to tackle this challenge: polymer materials that operate as molecular filters and allow revenue increase for our customers while significantly increasing environmental sustainability. Our membrane technologies can transform the way chemical separations are performed today, dramatically reducing industrial energy consumption while accelerating the adoption of alternative energy sources.

### Responsibilities:

- Develop methods for the membrane fabrication.
- Design and build systems to characterize the transport properties of membrane materials
- Collaborate with a multidisciplinary team of chemists, chemical engineers, and material scientists to design membrane materials.
- Serve as the technical expert and answer scientific/technical questions in transport characterization and membrane fabrication.
- Work with toll manufacturers to develop processes compatible with manufacturing operations.
- Maintain detailed laboratory records and contribute to regular reports.
- Present internally on results and plans to meet goals and overcome challenges.

### Qualifications:

- PhD in chemical engineering, material science, or a relevant field, or master's or bachelor's degree with extensive and relevant research experience.
- Experience in transport characterizations, membrane fabrication, and polymer coating.
- Excellent problem-solving, organizational, and analytical skills.
- Excellent communication skills.
- Successful record of working in collaborative projects and diverse environments.

### Why join Osmoses?

- Opportunity to work on and contribute to address one of the biggest environmental challenges.
- High leadership and growth potential joining a company with strong momentum.
- Access to equity package and competitive salary.