

Job description: Polymer Laboratory Technician

About Applied Biomimetic (AB)

Applied Biomimetic Inc. (www.appliedbiomimetic.com)

Applied Biomimetic is an international biomimetic engineering group that builds upon a simple but powerful concept: Nature's ability to separate chemical elements at the molecular level using highly specialized proteins as tools such as the selective aquaporin water channel that brought the 2003 Nobel Prize in Chemistry to its discoverer.

AB has developed a concept where they maintain the superior water transport capabilities of the aquaporin water channel while embedding it into a robust polymer structure thus allowing the company to make membranes applicable for industrial purposes.

AB is focusing on the development of a wide range of applications for its patented technology. The aim is to provide disruptive solutions for the water treatment, health, food, and other industries enabling these industries to enhance their products, reduce costs, and save energy. The membranes are designed to withstand changing and sometimes harsh environment in various industrial applications.

In order to further strengthen our polymer team AB is looking to hire an experienced individual in polymer chemistry to help further develop and scale-up our polymer synthesis and development activities.

AB Inc. has more than 15 employees.

Reporting Structure

This position is a direct report line to company's Polymer Scientist and Chief Scientific Officer.

Main tasks and responsibilities:

The Technician/ Research Associate will be working with other members of the R&D team and will be deeply involved in developing a range of copolymers and biomimetic membranes based on trans-membrane proteins.

More specifically the tasks will involve:

- Polymer synthesis with the appropriate functionalized end-groups.
- Perform in-depth characterization using various analytical techniques and equipment
- Being responsible for the implementation of project plans, including tasks, deliverables, milestones, and timelines
- Perform robust data analysis of data from lab experiments and being responsible for documentation of technical progress and results
- Being accountable for project deliverables, and communicate status and other related information to management and project team
- Being focused on details and efficiency in the laboratory as well as having an interdisciplinary approach to the tasks at hand

The qualified candidate must have:

- B.A in polymer chemistry/science, chemical engineering, material science with 3-4 years of relevant experience.
- Good communication and team working skills
- Ability to thrive in a fast paced environment, work short cycle times and flexible hours if required, and deliver results under pressure
- Ability to work independently and maintain a high level of quality in work
- A desire to work in a start-up company
- US work permit

Preferred Skills and Experience:

- Experience in synthesizing polymers
- Experience with a wide range of analytical tools and techniques for polymer characterization
- Knowledge of and experience with colloidal science (lamellar phases)
- Results oriented and with excellent analytical skills
- Self-motivated with drive, and a natural curiosity and interest in new technology and ground-breaking scientific developments.

In addition to a challenging and interesting work environment and the opportunity to work on ground-breaking technology we are offering an attractive compensation and benefit package incl. health, dental and 401k etc.

Please forward your resume to: resumes@appliedbiomimetic.com

