

Membrane Research Lab Technician II

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.

Job Location

Gaithersburg, Maryland

Main tasks and responsibilities:

- Executing laboratory experiments in accordance with plans and standards
- Assist in filtration membrane research development
- Preparation of necessary raw materials in laboratory processes e.g. buffers, solvents, media, casting solutions, etc.
- Consistently perform measurements of (including samples preparation): Viscosity, Uv-Vis, HPLC, Membrane flux, rejection, etc.
- Data entry, analysis and reporting of technical progress and results
- Maintain inventory of consumable items including reagents and supplies. Unpacks, logs, dates and stores reagents
- Focus on details and efficiency in the laboratory, while exercising good laboratory practice.
- Participate in the general upkeep and maintenance of the laboratory and equipment
- Demonstrate initiative in making suggestions to improve efficiency and productivity

- Project deliverables accountability, status updates and other relevant communication to the manager.

The qualified candidate must have:

- B.S degree in chemistry or biology with minimum 3 years R&D research lab experience
- Good communication and team player
- 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
- General interest in quality control and assurance
- US work permit

Preferred Skills and Experience:

- Knowledge and experience with membranes and polymeric membrane casting
- Experience with one or more of the following laboratory instruments: HPLC, UV-vis, Viscometer, etc..
- Experience with wet chemistry
- Proficiency with Microsoft Office
- 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