Job Title: Research Scientist – Commercial R&D
Location: Research Triangle Park, NC

bioMASON is a unique biotechnology start-up manufacturing company with a natural process that will significantly revolutionize the building and construction industry. bioMASON employs microorganisms and chemical processes to manufacture biological cement-based building materials in ambient temperatures.

Concrete is the second most consumed substance on earth following water. The production of cement accounts for over 8% of global CO2 emissions. bioMASON is driven by scaled proof that there is a better way to reduce these emissions.

bioMASON's products include proprietary manufacturing processes and materials. bioMASON’s products make it possible to manufacture in ambient temperatures using locally available materials, without using fuel or heat sources. bioMASON enables savings in energy costs and zero carbon emissions.

bioMASON offers the opportunity to manufacture biological cement materials with a revolutionary process that does not use fossil fuels. Instead, products are grown in less than 72 hours using natural biocement® as a binder for aggregates. Aggregate materials are waste and locally sourced. Biocement Products enable manufacturing to take place in ambient temperatures, using existing concrete equipment. bioMASON made products with biocements are tested in ASTM standard labs for strength and durability and exhibit higher performance.

bioMASON is distinguished by its unique technology, manufacturing costs, the use of local materials, greater environmental responsibility, customizable manufacturing process, and relatively low capital requirements.

The first commercially available product is bioLITH® Tile. The company competes in the marketplace through direct manufacturing and contracts.

bioMASON is privately held and headquartered in Research Triangle Park, North Carolina. For additional information, please go to the company’s website at www.biomason.com.

bioMASON is seeking a Research Scientist for the Commercial R&D department. The Research Scientist will report to the Director of Commercial R&D.

Position Summary

The Research Scientist is accountable for driving results in a fast-paced environment by setting up and carrying through experiments for the optimization of process chemistry within bioMASON. This role will generate new hypotheses and technology initiatives and develop these into research programs to develop new and improved products. As a Research Scientist you assist in the transition of a development technology to commercial viability and optimization of R&D processes.

This role will be based in Research Triangle Park, NC.
Key Responsibilities

- Conduct research in the broad area of biomaterials
- Develop experimental strategies for process chemistry optimization and water recovery
- Collaborate with multiple teams to scale and implement technical solutions for water recovery and other process improvements
- Determine research directions, come up with novel technical solutions and generally drive innovation
- Lead technician(s) by developing research strategy, helping them design and execute experiments, analyze data and present conclusions to the broader group
- Attract, develop, and retain a high performing team to meet the current and evolving needs of the business through effective selection, training and development, coaching and mentoring and performance management

Qualifications and Requirements

- Master’s degree in a science related field such as chemical engineering, chemistry, analytical chemistry, biology, etc.
- 2 years of experience working in a chemistry focused laboratory
- Experience conducting process development and optimization of ion exchange process chemistry
- Prior background in developing, testing and analysis of water recovery systems, including membrane technologies
- Working knowledge of the conversion of batch chemistries to closed loop systems
- Proven ability to be objective, innovative, decisive and excited by new challenges in an expanding organization

Additional Preferred Attributes

- Experience with biology or microbiology
- Prior experience in the Design of Experiments and Statistical Analysis Planning
- Experience with membrane technologies and scaling up of water recovery systems

All bioMASON Employees Must:

- Consistently demonstrate honesty and integrity through personal example.
- Follow all safety policies and proactively engage in safety initiatives.
- Produce high quality work with a focus on first time right.
- Exhibit a passion and aptitude for learning with an analytical mindset.

We invite all qualified, interested candidates to send your resume to jobs@biomason.com with the heading “Research Scientist – Commercial R&D”. We offer competitive salary, a comprehensive benefits package, fun culture and opportunity for advancement.
bioMASON Inc. takes affirmative actions as an equal opportunity employer to attract, promote, and retain
the most fully qualified candidates without regard to race, creed, religion, color, citizenship status, national
origin, sex, age, sexual orientation, predisposing genetic characteristics, genetic information, marital
status, status as a domestic violence victim, arrest record, disability, military status, disabled veteran,
recently separated veteran, Armed Forces Service Medal veteran, other protected veteran or other
characteristic as protected by law.
EOE M/F/D/V