

3D BioFibR Inc. – Halifax, NS

R&D Manager

3D BioFibR Inc. is an advanced materials company that specializes in the manufacturing of protein based biofibers for various industrial applications. Using our proprietary manufacturing approach, we seek to be the dominant global supplier of high value biofibers that have the potential to revolutionize medical and industrial applications of the technology. As a spinning company, the **R&D Manager** will be an important part of our success, focusing on scaling up production of these high value materials.

The successful candidate will be responsible for applying strong leadership, organizational, and prioritization skills to oversee our research and development teams, as we bring cutting edge protein fiber-based applications into the market. Using your strong life science background, you will make technical decisions to drive projects forward in-line with our corporate goals. Working with the Director of Business Development and Operations, you will assist in generating schedules and budgets for the projects, and deliver project goals within the established timeline.

We are looking for someone with a strong life science background, proven track-record of successful R&D project completion, and the ability to lead a team of scientists and engineers in a dynamic environment. The successful candidate will work closely with Business Development to understand the technical goals of the various projects and implement key processes to deliver project goals on time. The candidate will also set key KPIs and contribute to the building of a world class advanced materials business.

About 3D BioFibR

3D BioFibR Inc. is a Halifax-based company which uses a proprietary “dry spinning” process (mimicking spiders) to produce protein fibers (e.g., collagen and spider silk) at a scale, cost and quality that exceeds all other methods of production. 3D BioFibR focusses on protein-based fibers, typically collagen-based and/or spider silk materials that can be braided and woven to serve the medical device OEMs, 3D in vitro tissue culture and various industrial applications.

The key to our biofiber process is the combination of high biopolymer solutions with a catalytic amount of a scaffolding polymer which permits rapid, large-scale production of fibers. Having a technology capable of industrial scale production of biofibers, with chemical, physical, and mechanical properties mimicking those found in nature, is what makes us stand out in the biomaterial industry.

3D BioFibR is focused on attracting and retaining the best people in the industry who identify with our mission and innovative results-driven approach. We offer an inspiring and collaborative environment that encourages individual contributions, recognizes performance in multiple ways, and provides challenging opportunities for career development.

3D BioFibR is an equal opportunities employer who is committed to creating an environment of belonging for all. We welcome the unique contributions of all suitably qualified persons regardless of their race, sex, gender identity and expression, disability, religion/belief, sexual orientation or age.

Check out our website for more information <https://3dbiofibr.com>

R&D Manager

Responsibilities:

- Lead R&D teams in research and product development as 3D BioFibR develops its first products for commercial applications within tissue engineering.
- As a subject matter expert in the life sciences, act as a leader in resolution of technical and scientific challenges, and ensure project activities are in-line with corporate priorities.
- As an experienced manager of technical teams, drive on-time and on-budget delivery of R&D projects.
- Monitor project progress through tools such as regular status meetings, scheduled reviews, and Gantt charts.
- Partner with contractors and supply chain to ensure technical projects can progress with all external supports necessary.
- Collaborate with the Director of Business Development and Operations to generate schedules and budgets for research and development projects that are in-line with corporate objectives.
- Collaborate with Director of Business Development and Operations in allocating project resources (lab space, equipment, and staff) based on R&D budgets and timelines.
- Assist in intellectual property protection of the company's innovations by implementation and maintenance of R&D documentation, ensuring that the records and raw data are properly documented and retained.
- Create and maintain processes for lab safety, equipment scheduling, lab inventory, and lab upkeep.
- Create and maintain Standard Operating Procedures for all lab activities and use these to drive onboarding of new employees into the lab.
- Assist with forecasting and tracking of lab budget, as well as planning and executing the expansion of a R&D and manufacturing facility in 2022.
- Support R&D teams by addressing any equipment related challenges, including repair, maintenance, and procurement.
- Oversee the manufacturing and delivery of prototypes to partners, end-users, and other stakeholders, with clear user guidelines, technical specifications, and validation reports, on a timeline.
- Lead the R&D team in creating release criteria for prototypes meant to be shipped to end-users, ensuring the material is successful in the hands of our collaborators.

Qualifications & Attributes:

- PhD in biology, biotechnology, biomedical engineering, biochemistry, biophysics, or related discipline
- 2+ years' experience (preferred) working in industrial R&D in the life sciences sector
- 2+ years managerial experience (preferred), ideally leading an R&D team in the life sciences
- Or an equivalent combination of education and relevant experience
- Proven track record of delivering completed industrial R&D projects on-time
- Demonstrated hands-on experience with cell culture, biomaterials, and microscopy would be an asset
- Strong verbal and written communication skills to deliver technical information to a diverse audience
- Must be a critical thinker and apt at problem solving
- The ability to remain calm and exude patience while being pulled in multiple directions and still propel people and processes forward
- High organization skills and an innate ability to prioritize items of importance

Please submit your resume to hr@3dbiofibr.com by Friday, March 18th, 2022.