Job title: R&D Technical Manager

DeBogy Molecular:

We are a stealth start-up with proprietary technology that modifies molecular surface structures to electrostatically destroy viral, bacterial, and fungal cells on contact. Our transformative surface modification technology helps ensure a safe, secure, germ-free environment at home, at work, at leisure, and in healthcare settings.

DeBogy Molecular, Inc. Location:

Technology Incubation Program, 400 Farmington Avenue, Farmington, CT 06032

Job description:

You will be the R&D Manager, directing the Company’s newest development projects that demonstrate the unique capabilities of our proprietary technology across a broad range of materials for different applications. Your responsibilities will include executing the Company’s R&D plan in accordance with the long-term vision provided by our executive team. This includes day-to-day supervision of personnel and lab operations, along with project planning and management to meet the requirements provided by our client partners.

You will support our management team on the resource investments necessary to support an innovative and productive work environment. Scientific integrity, autonomy, curiosity, and strong interpersonal skills are essential values needed to drive our current R&D team. Demonstrated experience supervising teams/personnel with strong project management skills (innovation/strategy) is necessary.

Demonstrated technical knowledge, including a strong understanding of organic polymer chemistry, polymer synthesis, materials/surface science and chemical characterization or polymeric materials/surfaces is required. A strong understanding and proficiency in the processes of chemical synthesis, surface modification, and microbiological verification will be critical for successful lab results. Mastery of the IP landscape, scientific method, its application, and ability to think critically will be needed to troubleshoot projects and to provide measurable differentiation for our customers. Oversight on quality control, both chemical and microbiological, will be required. You will share critical data, analysis, and insights during weekly meetings. You will have frequent interaction with our co-founders, Dr. Othman Bouloussa (Co-Founder & Chief Chemist) and Dr. Houssam Bouloussa (Co-Founder & VP Operations).

Education: Masters or PhD in Chemistry, Polymer/surface Science, biology, or related fields
Qualifications:

- Experience with organic polymer chemistry, chemical synthesis, chemical extraction, purification, column chromatography, with strong analytical characterization background (FTIR/ATR, NMR, HPLC and surface sciences)

- Experience with activation processes, coating, and covalent grafting

- Optional: general understanding of bacteriological culture and simple antibacterial assays

- Project management experience to build a schedule and manage a work plan to collaborate on customer-specific product demonstrations, etc.

- Experience supervising teams/personnel to foster productive and positive working environments

- Commercialization coordination—work with clients to help develop the implementation and production design to commercialize an integrated product using DeBogy technology

- Driven self-starter with ability to work independently

- Strong verbal and communication skills, must be able to meet deadlines

Career Opportunity: We are a fast-developing early stage company with strategic partnerships with multiple industry leaders. Our lab is in a state-of-the-art UConn facility (UConn Technology Incubator Program at 400 Farmington Ave, Rm 1845, Farmington, CT 06032).

Participation to company: stock options plan to be discussed.

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