

## **Product Development Engineer II**

Located within a state-of-art R&D facility in Watertown, MA, Arsenal Medical is an early-stage medical device company that is developing biologically inspired medical products to improve patient outcomes. We are a multi-disciplinary team of engineers, biologists, chemists, and materials scientists working in close collaboration to understand the biology of diseases and to create solutions that address some of today's most challenging unmet clinical needs.

We are looking for a hands-on process engineer to plan and execute product development experimentation in the area of controlled drug release coatings for medical devices. Projects range from early development through commercialization. The individual we are looking for must thrive in a fast paced startup environment, be adaptable to work on several aspects of the product development and be motivated by the opportunity to learn new technologies.

### Key areas of responsibility

- Apply sound engineering principles and practices to develop and implement processes that meet specific product requirements
- Conceive, design, plan and conduct experimentation to enhance understanding of the coating processes and impact on product performance
- Develop novel coating formulations and approaches to product challenges that provide unique resolutions while meeting specific product attributes
- Work with and provide oversight to suppliers on the design and procurement of coating fixtures and equipment for processing/coating devices.
- Define and execute milestones and time lines as part of project planning
- Collaborate with Quality to ensure compliance to appropriate ISO/FDA regulations for the pilot manufacture of the company's products.
- Participate in and document development activities through lab notebook, design history file, technical reports and other records in accordance with Design Control and company procedures

### Qualifications

- B.S. / M.S. degree in engineering (chemical preferred)
- Minimum 5 years (2 years w/M.S.) coating process development experience, preferably working with polymeric coatings.
- Knowledge of controlled drug delivery, coating process principles, and biodegradable materials
- Strong preference for: experience in the medical device industry working with drug eluting coatings, disposable or implantable medical devices, vascular products, and familiarity with interventional procedures
- Demonstrated experience in conducting research ranging from product and process concept through commercialization
- Experience developing combination products or commercial manufacturing under ISO or GMP procedures is a plus
- Working knowledge of the US and International standards governing the design, development and manufacture of medical devices
- Team player who enjoys working in a highly dynamic and cross-disciplinary environment
- Excellent written and verbal communication skills

Arsenal Medical offers a casual and friendly work environment, shared medical and dental insurance, FSA, HRA, 100% paid STD, LTD, AD&D and Life, 401(k), free-lunch Wednesdays, and more!

*Interested candidates should email engineering recruiting at [re@arsenalmedical.com](mailto:re@arsenalmedical.com)*