



Medical Device Design Engineer

Location: Boston, MA

Vaxess is a Gates Foundation and venture-funded company developing a pipeline of next-generation therapies on the MIMIX platform. With only five minutes of wear-time on the skin, the MIMIX patch enables two weeks of sustained delivery of a range of therapies. The platform combines high temperature stability with simplified application to dramatically alter the way that drugs are delivered. Vaxess is committed to enabling products that are not only more effective, but also more accessible to patients around the world.

Research & development at Vaxess is cross-disciplinary, integrating chemistry, biology, immunology, mechanical, biomedical, and chemical engineering to address important unmet medical needs. We are seeking a talented, collaborative, and highly motivated individual with expertise in medical device design to join our core team of scientists and engineers. This is a unique opportunity to be part of an emerging startup bringing innovative technology to the global vaccine and therapeutic market.

Responsibilities

- Design mechanical applicators for administration of the MIMIX patch to efficiently and reliably deliver therapeutics to the patient
- Develop and implement testing methods to characterize the performance of microneedle patches and applicators
- Identify, qualify, and manage external suppliers of components and services for prototyping, testing, and high-volume manufacturing of our products
- Author fabrication and testing procedures, contribute to scientific publications, intellectual property filings, and regulatory documentation
- Collaborate closely with other engineers and scientists to support product development activities
- Effectively communicate work results through oral presentations and written reports

Qualifications

- BS/MS in mechanical or biomedical engineering, or related discipline, with at least 3 years of direct experience in medical device product development; prior experience in drug delivery is preferred
- Expertise in computer-aided design and geometric dimensioning & tolerancing
- Expertise in prototyping and manufacturing processes for medical devices, especially injection molding
- Expertise in mechanical testing and dimensional inspection methods for medical devices; prior experience with in vivo animal testing is preferred
- Knowledge of GxP requirements and experience working within a medical device quality system
- Demonstrated abilities to learn new skills and fields, solve challenging technical problems, think independently, and work collaboratively in diverse multidisciplinary teams
- Entrepreneurial spirit and drive to positively impact global human health

Vaxess is building a team of exceptional people to rapidly advance product development. We work closely as a team and thrive in a dynamic, exciting, and engaging work environment. If you're interested in joining the Vaxess team, please submit your CV/resume to careers@vaxess.com.