



## Senior Scientist, Analytical Development

Location: Boston, MA

Vaxess Technologies is developing next generation vaccines based on its proprietary silk technology. With combined venture and grant funding, the company has advanced two platforms: **Matrix** is a formulation and drying system that reduces the need for cold storage of vaccines and diagnostics. **Mimix** is a sustained-release patch for delivery of vaccines and therapeutics, offering enhanced efficacy and simplified administration. We are 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, biomedical and chemical engineering to address important unmet medical needs in vaccines and therapeutics. We are seeking a talented, collaborative, and highly motivated individual with expertise in analytical method development for biologics 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 market.

### Responsibilities

- Design and implement analytical testing methods to characterize and monitor stability of vaccines (viruses/proteins/peptides/nucleic acids)
- Develop and optimize analytical methods to quantitate vaccine loading, recovery, and kinetic release of vaccines from silk microneedle patches using biophysical and/or biochemical techniques
- Collaborate closely with engineers and formulation scientists to support product development activities
- Provide technical guidance to, supervise, and develop junior scientists
- Effectively communicate research results through technical presentations and reports
- Support external projects with pharmaceutical partners and government/non-profit organizations
- Author scientific publications, contribute to intellectual property filings and regulatory filings

### Qualifications

- PhD in Chemistry, Biochemistry, or related discipline with at least 3-5 years of experience in biotechnology/pharmaceutical development; or BS/MS with > 5 years of experience
- Expertise in protein/vaccine characterization and quantitation, assay design and validation
- Strong technical background in analytical method development; experience with HPLC, LC/MS, cIEF, DSC, fluorescence, UV/Vis, CD, and particle size characterization
- Experience with vaccine potency assays (ELISA, PCR, cell-based assays, etc.) is preferred
- Experience with biomaterial or polymer-based systems for sustained drug delivery is preferred
- Knowledge of GxP requirements and experience authoring SOPs is preferred
- Excellent verbal and written communication skills
- Demonstrated abilities to learn new skills and fields, solve challenging scientific and technical problems, think independently, and work collaboratively in teams

*Vaxess, a venture-funded life sciences company, 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](mailto:careers@vaxess.com).*