



## **Job Description**

Associate Scientist  
**SutroVax Inc**

February 24, 2017

**Company Profile:**

SutroVax is an independent vaccine platform and development company whose mission is to deliver best-in-class conjugate vaccines and novel complex antigen-based vaccines to prevent deadly infectious diseases. The company is leveraging its exclusive license to Sutro Biopharma's Xpress CF platforms to perform cell-free protein synthesis and site-specific conjugation for the field of vaccines. SutroVax closed its Series A round in 2015 and is financed by an international syndicate of experienced, blue-chip venture capital and corporate venture investors. For more information, visit [www.sutrovax.com](http://www.sutrovax.com)

**Technical Approach:**

SutroVax is purposing the Xpress CF technology to produce best-in-class conjugate vaccines and novel antigen-based vaccines. For the production of best-in-class conjugate vaccines, SutroVax is conjugating antigenic polysaccharides to specific sites on a proprietary nnAA-containing polypeptide uniquely produced via the platform. The open cell-free system also permits manipulation of multiple parameters (pH, temperature, redox potential etc) that govern protein folding. High fidelity control of these conditions unlocks a cache of "tough to make proteins" by permitting the optimal folding of complex antigens into their most immunogenic conformation leading to the production of novel complex antigen-based vaccines.

**Professional Responsibilities:**

The candidate will perform the synthesis and purification of protein conjugates via bioconjugation reactions and characterization of the products using a variety of analytical techniques including colorimetric assays, RP-HPLC, SEC-HPLC, UV spectrophotometry, etc. The successful candidate will be expected to execute the synthesis and purification procedures independently with minimal supervision, and to design appropriate experiments for reaction optimization under guidance. Responsibilities will also include record management, authoring laboratory protocols and development reports, general laboratory maintenance including but not limited to purchasing of consumables and reagents, proper waste disposal and participation in team meetings.

**Skills, knowledge, and experience:**

- Bachelor's Degree in Chemistry with 4+ years relevant industrial experience (Pharma / Biotech / Analytical testing), OR Master's Degree in Organic / Analytical Chemistry with 2+ years industrial experience. Ideal candidate will have solid understanding of organic and analytical chemistry principles and significant laboratory experience. Previous experience in performing bioconjugation reactions in aqueous buffers and organic solvents is a plus.
- Experience with laboratory-scale purification methods including liquid-liquid extraction, filtration, dialysis / diafiltration, size-exclusion chromatography (gravity flow and FPLC);
- Working knowledge of analytical methods including reversed-phase HPLC, colorimetric assays, Size-exclusion chromatography (SEC) for reaction monitoring and characterization of reaction products. Direct experience operating Agilent HPLC using OpenLab/Chemstation software and/or Waters UPLC and Empower software for data acquisition and analysis is a plus.
- Attention to detail and excellent organizational skills
- Strong interpersonal skills; ability to communicate effectively both verbally and in written formats

- Self-starter; ability to work in a fast-paced, cross-functional environment and collaborate effectively with other team members

**Reports to:** Associate Director, Development

**Location:** Foster City, California

**Compensation:**

The compensation package will be competitive and includes comprehensive benefits and an equity component.

**Send resumes to:**

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