

Vault Pharma Staff Scientist

Company: Vault Pharma Inc, a UCLA MAGNIFY incubator company.

Title: Scientist

Status: Full-time

Benefits: Yes

Staff Scientist – Vault Pharma Inc.

We are currently seeking a staff scientist to join the research and development team at Vault Pharma located in the MAGNIFY biotech incubator on the UCLA campus. Vault Pharma is a therapeutics company developing vault particle immunology treatments in immune oncology, women's health, and chronic infectious diseases. Vault Pharma is also currently working on a vault COVID vaccine. The candidate will be part of an interdisciplinary research team, applying knowledge and skills in molecular biology, yeast manufacturing, protein biochemistry, and immunology to multiple pre-clinical research programs.

Vault Pharma is currently scaling up manufacturing for our lead VPI-101 immune oncology program and anticipates entering clinical trials in the near future. We are currently scaling up our in-house capabilities for vault manufacture of existing vault therapeutics. This is an opportunity to join an emerging biotech company with a collaborative environment, developing exciting innovative technology and that aims to make a real impact in the field immune oncology and infectious diseases.

Role Summary:

We are seeking an experienced, bright, enthusiastic and motivated scientist with strong molecular biology experience to join our team. As a Staff Scientist you will work closely with our management team and our founding scientists at UCLA. Primary responsibility will be to produce, purify and characterize GLP vault prototypes and optimize the manufacturing process at pilot scale within the company's facility at the UCLA biotech incubator, train new production and process development staff and help coordinate scale-up production at our contract manufacturing site. The work includes all aspects of molecular and protein biology including cloning, protein expression, and protein biochemistry.

Key Responsibilities:

- Lead vault prototype production activities at the Vault Pharma laboratory, assist with process optimization and scale-up, equipment validation and qualification, perform stability studies and materials management as well as facilitate technology transfer to third party CMOs.
- Support product development activity within the company and through collaborating scientists at UCLA.
- Support continued development and in-process improvements to streamline process operations and optimize vault manufacturing methods.

- Assist in the recruiting and training of new scientific and technical staff for development and GLP manufacturing.
- Assist with general laboratory organization and set-up.
- Assist with guiding junior lab members in basic molecular biology techniques.
- Cloning and testing of various protein expression constructs.
- Purification and analysis of single proteins and protein complexes.
- Functional immunology experiments in cell systems and in vivo disease models.
- Analyze data and present comprehensive reports for the team

Preferred experience:

- A minimum of 2-3 years' hands on experience in the field of molecular biology, with expertise in protein expression, purification, and characterization.
- Experience with yeast protein expression systems.
- Experience with Protein purification
- Experience in GLP and GMP manufacturing operations or process development a plus.
- Excellent planning, organizational and time management skills.
- Excellent communication and interpersonal skills.

Basic Qualifications:

- Ph.D. in molecular biology or related field
- Master's Degree (MA/MS) from an accredited university in a related field or equivalent combination of education, training and experience that provides the required knowledge, skills, and abilities
- Successful candidates will also possess excellent communication skills and be highly organized with a desire to solve challenging scientific questions whilst working in a dynamic, fast paced team environment.
- Ability to work as part of a team.

This is a permanent position, based in Los Angeles, CA, with a competitive salary and benefits package.

Further information about Vault Pharma Inc. is available at www.vaultpharma.com

To Apply: Applications including a cover letter, CV, and the contact details of three references should be sent to jobs@vaultpharma.com.

Vault Pharma is an equal opportunity employer. Qualified applicants for employment will be considered without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, or disability status.

Seniority level: Associate

Employment Type: Full-time

Industry: Biotechnology, biologics drug development, nanotechnology, Research and Development

Job Functions: Research, Development, Protein Expression, Science, Biologics, Molecular Biology, Immunology