

## **Oxford Biotherapeutics**

**Research Associate – Senior Research Associate, Protein-Biologic Discovery**

**San Jose, California**

### **Summary:**

Oxford Biotherapeutics is seeking an experienced, creative, and motivated scientist to contribute to our company's Discovery Biologics Protein Science group. Work independently, and in a matrix, to lead the development of antigen antibodies against novel targets discovered by Oxford Biotherapeutics, headquartered in the UK. The successful candidate will be involved in multiple aspects of the production of recombinant proteins, monoclonal antibodies, multi-specific scaffolds, and novel protein modalities to enable all aspects of Early Discovery and Validation Research.

### **Responsibilities:**

- Serve as a key contributor to the discovery and development of antibody therapeutics for oncology and immune oncology for novel targets.
- Support the design and implement antibody discovery plans (immunogen design, assay development, screening, and functional characterization methods) to meet timelines.
- Support biologic discovery through different platforms of antibody development and protein production
- Generate various target over-expressing cell lines for antibody discovery projects
- Develop strategies to express, purify, and analyze proteins for novel tumor targets expressed in mammalian cells and develop new methods and evaluate emerging technologies
- Experience in protein purification using a variety of chromatographic techniques with hands-on experience using and maintaining AKTA FPLC systems with Unicorn software.
- Characterization of antibody and protein expression and purification including binding affinity and binding kinetics, FACS, ELISA, SEC, protein gel analysis, and other functional assays.
- Analyze data, interpret results, identify problems, and develop trouble shooting plans
- Participate in the transfer of processes, technology, and assays to/from internal and external collaborators and outside vendors
- Prepare reports and presentations for group meetings
- Actively participate in group/project meetings

### **Requirements:**

- BS in biological sciences or related fields with 2-4 years, or MS with 5 years' experience in biopharma industry, preferably in a fast-paced startup environment.

- Experience in cell line development for recombinant protein and antibody expressions including transfection, subclone screening, and clone characterization, is preferable.
- Familiar with molecular biology or/and biochemistry, including gene manipulation, subcloning, expression vector modifications.
- Knowledge of antibody drug discovery experience for immune oncology in biopharmaceutical industry
- Knowledge of the biologics drug discovery process and representation of the protein science function at project team meetings.
- Proficient with high-throughput multi-color flow cytometry, ELISA, protein gel analysis, and SEC
- Good documentation practices and good laboratory practices
- Ability to be a team player and collaborate with colleagues is critical

Oxford Bio is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, or disability status, or any other characteristic protected by law.