Oxford Biotherapeutics
Job Title: Senior Scientist – Protein Biologic Discovery
Location: San Jose, United States

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.
- Design and implement antibody discovery plans (immunogen design, assay development, screening, and functional characterization methods), and oversee the execution.
- Support biologic discovery through different platforms of antibody development. Lead a sub-group of associates(s) to execute protein production and antibody discovery/optimization platform
- Generating target over-expressing cell lines for antibody discovery work
- Develop strategies to express, purify and analyze proteins for novel tumor targets expressed in mammalian cells and develop new methods and evaluate emerging technologies
- Extensive 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 antibodies including binding affinity and binding kinetics through Octet/Biacore, epitope binning/mapping, and 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

Requirements:

- Ph.D. in biological sciences or related fields with 3-4 years of post-Ph.D., or MS with 7 years' experience in biopharma industry, preferably in a fast-paced startup environment.
- Experience in cell line development for recombinant antibody expression including transfection, subclone screening, and clone characterization, is preferable.

- Expert in molecular biology or/and biochemistry, including gene manipulation, subcloning, expression vector modifications.
- Antibody drug discovery experience for immune oncology in biopharmaceutical industry is a plus.
- Ability to lead project strategy, plan, and execution on schedule with quality; to manage priority, resource, and timeline to meet project goals; and communicate with collaborators and management.
- Knowledge of the biologics drug discovery process and representation of the protein science function at project team meetings.
- Experience with high-throughput multi-color flow cytometry is a plus.
- Help recruit talented individuals to join our assay/chemistry R&D team

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