



Job Title: Scientist – Antibody Development & Engineering

Company Information: OriGene Technologies (Rockville, MD) is a biotech company commercializing millions of gene-related reagent tools for life science research. Recognized globally as one of the world's largest sources for cDNA clones, recombinant proteins and antibodies, OriGene continues to drive innovation in CRISPR, assay development and in vitro diagnostic field. For more information, please visit our website: www.origene.com

Summary of Position

We are looking for a highly motivated and innovative scientist to join in our antibody and assay team in OriGene. The selected candidate will work within a fast-paced, interactive, and innovative research team and develop functional assay product lines for the measurement of protein, lipid and other biomarkers driven by the market and scientific requirements. This role has functional assay development responsibility as well as cross-functional responsibility in support of technical transfer and regulatory submissions in the future. This assay group is a new group and it will have many opportunities to grow and develop.

Responsibilities and Job Duties

- Design, develop and generate new antibodies for diagnostic and therapeutic purposes.
- Lead the antibody engineering efforts for antibody affinity maturation.
- Optimize recombinant antibody for low background, higher affinity and expression.
- Engage in scientific discussion with collaborators to evaluate current products or ongoing projects
- Develop and optimize the SOPs, validation protocols, provide technical assistance and train other research associates.
- Maintain strong understanding of state-of-art science and technology of development in biomedical industry.
- Collaborate with marketing team, technique support team to promote products and deliver orders
- Contribute to additional activities within the team and collaborate with other R&D teams as required.
- Perform tissue culture, protein expression and purification, cell line maintenance, western blot, flow tests related to the product or project.
- Routine maintenance scientific equipment, prepare technical report and presentation as needed.

Qualifications

Education & Experience

- The successful candidate will possess a minimum of 3-5 years of work experience (industry experience in antibody engineering preferred), knowledgeable in the basics of immunology, cell biology and have at minimum a Master's degree plus 5-8 years of experience or a PhD degree in biology, biochemistry or related life science field.
- Experience with antibody formulation developments, including cloning, design and develop recombinant monoclonal antibody, antibody engineering, antibody affinity maturation, phage display.
- The candidates must also have experience in antibody conjugation, bispecific antibody design, Fab antibody design and expression.

Hands-on experiences with multiple cell biology and molecular biology skills such as cell maintenance, protein or antibody validation, Western blot, flow cytometer, basic molecular biology techniques such as DNA/RNA isolation, sequence analysis, etc.

Knowledge, Skills and Abilities

- Ability to independently analyze and interpret data and provide scientific approaches.
- Highly organized and collaborative individual with an ability to work in a fast paced work environment and to handle multiple projects.
- Strong written and oral communication skill and proficient in Microsoft Word, Excel, Power Point, Outlook and some analysis software.

To apply for this role, please send your CV/Resume along with a cover letter to jobs@origene.com. Please Reference "Scientist – Antibody Development & Engineering" in the Subject Line.