



Postdoctoral Scientist - Protein/Antibody Engineer

Open vacancy: MABS004

Industry sector: Biotech, Pharmaceutical & Clinical Development
Work location: New York, NY
Function: Antibody Engineering
Reports to: Chief Technology Officer

Background

We are out-of-the-box thinkers, inventors, and builders instinctively drawn to healthcare challenges and driven by the desire to simplify and solve them.

We are seeking people who believe in transformational science to improve human health and well-being, and who are committed to advancing antibody-based immunotherapies and products into entirely new realms of application.

We are dedicated to building a team that reflects the diverse communities we serve and an inclusive collaborative environment built on passion, boldness and accountability and one where all employees are free and motivated to reach their full potential.

Position summary

MabSwitch is seeking an enthusiastic and highly motivated scientist with a background in protein engineering gained either in an academic or industry setting. The candidate will focus on the engineering and development of switchable antibodies based on MabSwitch proprietary Universal Allosteric-Linker and Switch Module for Antibodies in accordance of target specifications driven by the intended application. Candidates with strong expertise in antibody engineering, cell-culture based production, protein production, purification and analytical techniques will be given preference.

What you will do

- Execute antibody engineering activities to improve desired properties for therapeutic development using molecular biology approaches.
- Responsibilities will also include the design, optimization, and characterization of bispecific antibodies, CAR-T cells and immunoaffinity purification ligands
- Perform antibody expression in both E. coli and mammalian cells, purification, characterization, and biochemical and biophysical analysis
- Antibody sequence and structural model analysis and vector planning

Team role:

- Collaborate with market segment/ application lead to plan the experimental strategy around antibody switch engineering and optimization and formatting
- Interpret, record and present complex biological data
- Independently and thoroughly analyze experimental data, and draw reasonable conclusions and communicate the results to the project teams
- Independently look for problem solutions in the published literature
- Communicate and collaborate with other colleagues effectively
- Ability to manage multiple tasks and priorities for successful project completion



What You'll Bring

- Ph.D. with 2+ years of research experience in molecular biology, protein engineering, antibody engineering, biochemistry, structural biology or related field OR Master's/ Bachelor's with a minimum of 5 years of relevant experience and a track record of accomplishments and publications
- Technical expertise in wide range of molecular biology and protein engineering techniques, including molecular cloning, expression systems, mutagenesis, construct design, protein analysis, and bioinformatics tools
- Experience with Antibody methods, Antibody cloning and protein engineering, Antibody analytical techniques, Antibody affinity maturation/attenuation
- Expertise in antibody expression (mammalian) and purification (affinity and SEC), protein interaction characterization (ELISA, BIAcore, Octet) and DNA/protein sequence analysis
- Hands-on experience in mammalian and bacterial cell culture
- Excellent communication skills with an ability to work both independently and in a team environment
- Critical thinking with high degree of innovative and analytical skills
- Self-propelled motivation to generate the immunotherapies of the 21st century

Highly desirable

- Industry experience in antibody and protein engineering research
- Ability to work in a fast-moving startup environment
- Working knowledge of the bispecific antibody molecular format designs and optimization
- Working knowledge of automation or liquid handlers
- Experience in large scale sequence informatics and bioinformatic analysis

What we offer

- Option for fast career progression that is only possible in a small startup
- Flexible working hours
- Highly enthusiastic team
- Attractive compensation package

For more information visit: www.mabswitch.com

Please send us your complete application (cover letter incl. the reference number MABS004, curriculum vitae, proof of qualifications, employer's reference etc.), as one PDF file by email to careers@mabswitch.com.

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