

Numab Therapeutics AG is an expanding, clinical stage Swiss biotech company based in Horgen, canton of Zürich. The company is focused on the discovery and development of novel, antibody fragment-based therapeutics. With our breakthrough antibody-discovery and multi-specifics engineering platform, we are committed to the development of differentiated therapeutics with a focus on helping oncology patients in need.

To expand and develop Numab's proprietary immune-oncology therapeutics pipeline we are looking for a highly motivated and experienced individual for a scientific role in our Computational Biology / Protein Engineering team.

Research Associate / Scientist Bioinformatics

In this position, you will contribute to identify best-in-class scFvs and drive Numab's projects towards development. You will be responsible for sequence and structure analysis for antibody engineering.

Your Responsibilities:

- Implementing and utilizing state-of-the-art in silico methods to gain insights from antibody sequences (and structures) for improved candidate selection, experimental design and technology development
- Developing and expanding the in silico pipeline to support selection and engineering of antibody candidates
- Analysis of in silico and related experimental data sets

Your Skills and Professional Experience:

- MSc or PhD in bioinformatics, chemistry, biochemistry, structural biology, computational biology, or equivalent education in combination with (industrial) experience,
- Working knowledge of state-of-the-art bioinformatics and antibody sequence analysis tools,
- Experience and proven expertise in analysis of large datasets including Next Generation Sequencing (NGS) data,
- Experience in carrying out multiple sequence alignments, phylogenetic analysis, similarity analysis as well as processing, quality control and statistical analysis of biological data sets,
- Proficient in statistics and able to apply it to analysis of data and results,
- Experience in modeling, visualization and analysis of protein structures and experience with docking and molecular dynamics of antibody molecules (e.g. Discovery Studio, Schrödinger, MOE, Rosetta),
- Experience in using Unix/Linux systems and writing scripts (Shell, Python, R)

What we Offer:

- A diverse field of activity in a dynamic SME with an inspiring, entrepreneurial atmosphere
- Flat structures and fast decision-making
- The opportunity to take responsibility, help shaping and implementing solutions
- Flexibility to work remotely
- Employment conditions in line with the market, superior pension plan and opportunities for further personal development
- Regular bonus and participation in the employee stock option plan
- Participation in several fun team events
- A workplace near the city of Zurich overseeing the lake

We are looking forward to receiving your application with reference number NB0103 to hr@numab.com.