

## Scientist – Lead Generation

Affibody is looking to recruit a Scientist with focus on lead generation of Affibody<sup>®</sup> molecules and characterization of binding interactions to Affibody's Lead Generation (LG) group. The location is at Affibody's premises at Karolinska Institutet, Campus Solna.

The Scientist will be part of the LG group, currently consisting of eight coworkers, and the work will be directed by the objectives and demands of the research and development projects, with a focus on projects up to candidate drug (CD) nomination.

The LG group is scientifically and technically responsible for phage display selection and screening of Affibody<sup>®</sup> molecules from large combinatorial libraries, including design of maturation libraries, cloning, sequencing, screening, and sensor-based characterization of binding kinetics. This includes responsibility for supporting the internal research process with development of new Affibody<sup>®</sup> molecule candidate drugs, as well as supporting Affibody's development projects with sensor-based characterization of samples for IND-enabling activities. The work is conducted in close collaboration with other relevant groups at Affibody.

### The Position

The position is focused on supporting the early projects, from project start to CD nomination, with lead generation of Affibody<sup>®</sup> molecules and characterization of binding interactions. You are expected to independently plan and execute research, analyze data, and report results to meet specified timelines and objectives.

As Scientist in the LG group, your main responsibilities include:

- Plan and run selections of Affibody<sup>®</sup> molecules from large combinatorial phage display libraries.
- Plan and run screening of generated hits with e.g. ELISA or sensor-based assays.
- Plan and run binding characterization assays with sensor-based assays (e.g. Biacore and Octet).
- Design maturation libraries.
- Plan and run maturation of leads.
- Optimization of leads by various protein engineering strategies.
- Keep up to date with methods and developments within several relevant areas, including design of combinatorial phage display libraries, in vitro selection and binding characterization methods.
- Writing SOPs and project activity reports.
- In certain cases, coordinate activities at contract labs, concerning e.g. target production, library construction, binding analyses, etc.
- In certain cases, perform pre-studies and technical feasibility studies involving literature and patent searches.
- Strive to increase the company's knowledge regarding relevant methods and targets.
- Responsible and accountable for generated results and given timelines.

- Responsible for documentation and reporting findings within given timelines.

## Qualifications

The right candidate fulfills the following qualifications:

- University or PhD degree in Life Sciences, e.g. molecular biology, cell biology, biotechnology, or similar.
- More than five years of hands-on experience from work with relevant methods, e.g. recombinant DNA technology, small scale production of recombinant proteins, in vitro selection (e.g. phage display), binding interaction studies by ELISA and/or affinity measurements using sensor-based methods, preferably in an industrial setting.
- Extensive experience from independently planning and performing experiments and analyzing data from scientific research setting.
- An understanding of protein structure, protein-ligand interactions, and biophysical properties is valuable.
- An interest of machine learning tools for protein design is beneficial.
- Experience from development of biologics is an advantage.
- Experience from documentation in electronic lab books is a plus.
- Verbal and written communication skills in English.

## Personal Attributes

We are looking for a person with a genuine interest to seek knowledge and learn as well as with an ability to analyze, absorb and generate new ideas to solve problems and deliver innovative solutions. To be successful in the role you need to have an interest in practical laboratory work as well as reading scientific publications and writing reports. You need to have a strong sense of personal accountability, working independently as well as in teams. You are self-motivated, driven, results oriented with good problem-solving skills, and have an analytical mindset. The role requires good communication and interaction skills.

## Application

We will interview candidates from the middle of August 2023, but we welcome your application today!

Please send your application (CV and a letter describing why you think this is your next step) to [jobs@affibody.se](mailto:jobs@affibody.se).

If you have any questions about the position, please contact the Head of Lead Generation, Helena Persson Lotsholm, at [helena.perssonlotsholm@affibody.se](mailto:helena.perssonlotsholm@affibody.se).

At Affibody there is a local union club, an association for graduate professions [“Akademikerförening”] representing SACO, the Swedish Confederation of Professional Associations. To get in contact with the board members of the local union, please email [AFstyrelse@affibody.se](mailto:AFstyrelse@affibody.se).