Senior Scientist – Downstream Process Development & Bioconjugation

Affibody is a clinical stage radiopharmaceutical company developing next generation Radioligand Therapies (RLTs) designed to deliver highly selective tumor targeting across a wide range of cancers based on its unique proprietary technology platforms: Affibody® molecules and Albumod® half-life extension technology.

Affibody is looking for an experienced Senior Scientist in Downstream Process Development and Bioconjugation to join our Manufacturing and Analytical Science and Technology (MAST) group. The position is based at Affibody's premises at Karolinska Institutet Campus in Solna.

Group Responsibilities

The MAST group has the scientific, technical and strategic responsibility for CMC activities across Affibody's development programs, from early development through late-stage clinical development.

Our responsibilities span drug substance and drug product process development, bioconjugation of chelators for imaging and radiotherapy, peptide synthesis, analytical method development, protein characterization, formulation development, technology transfer, scale-up and optimization, as well as outsourced manufacturing for clinical studies. The group works through a combination of in-house laboratory activities and close collaboration with external CMOs, CROs and other partners.

MAST also contributes to CMC regulatory documentation throughout development and supports the maintenance of appropriate GxP compliance.

The Position

This position focuses on downstream process development and bioconjugation, combining hands-on experimental laboratory work with scientific and technical expertise. You will develop and optimize processes from laboratory scale through scale-up and technology transfer to external partners, while providing scientific support and recommendations to project teams.

As a Senior Scientist within MAST, you will:

- Plan and execute downstream process development and optimization, including purification and characterization.
- Develop and optimize bioconjugation processes for imaging and radiotherapy.
- Perform and evaluate relevant analyses of process development samples.
- Act as SME for downstream processing and bioconjugation and provide scientific support to project teams.
- Support scale-up, technology transfer and manufacturing at CMOs, including troubleshooting and process investigations.
- Apply DoE and data analysis to process development and optimization.

- Prepare and review relevant documentation, including ELN records, technical reports, process descriptions and SOPs.
- Contribute to implementation of new technologies and continuous process improvements.
- Take responsibility for relevant laboratory equipment.

Qualifications and Experience

We are looking for a candidate with:

- An advanced degree in life sciences, biotechnology, biochemistry, chemical engineering or related discipline.
- Approximately 10 years or more of relevant industrial experience in downstream process development, scale-up, technology transfer and manufacturing of biological drug substances.
- Strong practical experience in chromatographic purification and TFF, including relevant equipment, method programming and process automation.
- Practical experience in protein chemistry and bioconjugation.
- Understanding of protein structure and characteristics, post-translational modifications and stability.
- Experience with DoE and multivariate data analysis applied to process development.
- Good understanding of protein biochemistry, critical quality attributes and the relationship between process and product quality.
- Knowledge of cGMP manufacturing and quality management systems.
- Strong scientific problem-solving skills and the ability to translate data into clear recommendations and decisions.
- Excellent written and spoken English.

Experience in one or more of the following areas would be considered an advantage:

- Protein-protein interactions.
- Formulation development and drug product manufacturing.
- Radiopharmaceutical development.
- Late-stage process development and process characterization.

Personal Attributes

We believe you are scientifically curious, analytical and solution-oriented, with a strong interest in translating science into drug development. You are self-driven and comfortable combining hands-on laboratory work with a senior scientific role. We further believe you enjoy keeping up to date with the development within your field and proactively elevate the level of knowledge within the company. You enjoy collaboration, interpreting own data in relation to other results, make well-founded scientific recommendations and take a pragmatic approach to balancing scientific quality with project priorities in a dynamic environment.

Application

We will review applications and interview candidates continuously and 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. If you have any questions about the role, please contact Head of Manufacturing and Analytical Science and Technology, Susanne Wood, at susanne.wood@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.