295013 Associate Scientist – Downstream Process

Job purpose: The DSP Associate Scientist is a biopharma industry-experienced development scientist specialized in the downstream field joining a team of experts focusing on Drug Substance process development for new vaccine candidates from Phase I up to commercial launch, as well as on Life Cycle activities for process improvements in the commercial vaccine portfolio.

The successful candidate will report to the Head of Development Unit 8 within the CVDS department in Belgium, which is part of the Global Drug Substance organization in Technical R&D (TRD).

Your responsibilities:

- You will be part of a Downstream Team led by a Scientist, including 1 technician and another Associate scientist.
- Your main role will be to perform experiments in the lab (mainly chromatography but also clarification, depth filtration or tangential flow filtration) as well as the corresponding routine analytics (HPLC, SDS-PAGE, Octet, etc). Approximate repartition: 70 % of time in the lab, 30% of time for Other admin tasks (incl. transversal scientific discussions).
- You will be expected to participate in experiment design and scientific result discussions, implement innovation initiatives active in the department, identifying and promoting opportunities for process improvements or acceleration, aiming for scalable, high efficiency, robust, and cost-effective manufacturing processes with reduced-footprint.
- You will be expected to follow the Quality by Design approach to process development, supporting multi-disciplinary Technical Risk Assessments and participating to meet all documentation deliverables required at each of the project stage gates.
- You will work very closely with the Scale-up team to ensure a smooth scale up at the different project phases.
- You will closely collaborate with the In-Process Analytical (IPA) organization to get trained and perform IPA testings as fit for downstream processes.
- You will be expected to write project reports including process history files, process development reports, etc or project summary presentations.

Why you?

Basic Qualifications:

We are looking for professionals with these required skills to achieve our goals:

- Master's degree in Bioengineering, Biochemistry, Biotechnology, Chemistry or equivalent with 1 – 3 years' experience or a Bachelor's in Bioengineering, Biochemistry, biotechnology, chemistry or equivalent with 10 years' experience in Downstream Drug Substance Development and/or Manufacturing in biopharma/ biotech industry.
- Sound scientific methodology, critical thinking and problem-solving skills.
- Ability to integrate and work in a team.
- Demonstrated ability to be proactive and take initiative.
- Fluent in French and good level in English.

Preferred qualifications:

If you have the following characteristics it would be a plus:

- Demonstrated expertise in the following fields : chromatography at small scale in AEX, HIC, MMC, or other / mastering of AKTA Avant / Pure and Unicorn 7 / Tangential flow filtration development / Depth filtration/ In-process analytics (HPLC, SDS-Page, Western blot, ELISA, …).
- Expertise in High ThroughPut Development (HTPD) / HTPD plates / robocolumns / …
- Good understanding of Quality by Design approach and deliverables.

- Knowledge/ experience in Viral clearance / GMP manufacturing / scale-up and scale-down / technology transfer.
- Good understanding of statistics: Design of Experiments (DoE) / results analysis / Use of statistical software /…
- Programming skills: VBA, Python, C++, …
- Proven communication skills (scientific publications, conference presentations)
- Experience in Vaccines Drug Substance development and/or manufacturing, particularly in processes based on Mammalian Cell cultures.
- Demonstrated knowledge of legacy, current-gen and next-gen vaccine manufacturing technologies.
- Understanding of clinical and commercial Manufacturing processes and Manufacturing constraints.
- Understanding and knowledge of process industrialization methods.
- Understanding of the industry trends.
- Understanding in continuous manufacturing, Systems Biology (-omics), big data, multivariate analysis, predictive analytics and modelling approaches.

Why GSK?

Our values and expectations are at the heart of everything we do and form an important part of our culture.
These include Patient focus, Transparency, Respect, Integrity along with Courage, Accountability, Development, and Teamwork.