



Senior scientist. Process Development

Main function of job:

To provide team leadership, technical expertise and practical capacity to the Process Development team at Vaccitech. The current Vaccitech PD team is small and comprises two Research Associates and a QC Research Associate. The function of the PD team is to develop improved and robust platforms for viral vaccine manufacturing. The role will be approximately 30:70 split between laboratory-based work and leadership/planning.

Key responsibilities include:

- To be able to design, conduct, optimize and evaluate new processes in viral vector production.
- To be able to manage projects, providing clear timescales as required, to ensure studies are conducted effectively and completed in a timely manner.
- To understand the product specification requirements such that the product quality from a new process is meets required specification.
- To improve existing process design, in regard to efficiency and quality.
- Monitor the scientific field for new techniques and approaches.

Personal Abilities and Traits:

- Demonstrates personal drive and goal orientation.
- Dedicated team member, able to lead other team members to deliver assigned projects in a timely manner.
- Self-motivated, taking personal pride in delivering on personal and corporate objectives.
- Enthusiastic and flexible to change.
- Demonstrates strong organisational and prioritisation skills to manage a diverse workload.
- Able to interact with individuals at all levels of the organisation.
- A highly effective communicator, both orally and in writing with an eye for detail/ accuracy.
- Reliable and trustworthy, able to work with minimal supervision.

Essential knowledge, experience and skills:

- PhD or equivalent industrial experience.
- Experience in the propagation of adenoviral and/or MVA/poxviral vectors.
- Experience working under GLP-like conditions, with the appropriate requisite training, documentation, and attention to following defined Operating Procedures or Workflow diagrams.
- An in-depth knowledge and understanding of the following (or alternative technologies if relevant) such as to be able to perform experiments independently: Multi-vessel bioreactor cell culture, Depth filtration, Tangential flow filtration and Ion exchange chromatography
- Practical experience implementing Design of Experiments to develop processes.
- The ability to work in a dynamic small team environment

Desired skills:

- Experience manufacturing viral vectors or similar biologics.
- Proficient in conducting and QC using a variety of methodologies; e.g., PCR, qPCR, DNA sequencing, virus quantification by titration, DNA quantification by spectroscopy, SDS-PAGE, western blot.

The successful candidate will report to the Associate Director. Process development

Please use the cover letter to highlight how you meet the competencies for the role which will be used along with your CV to assess your application.