



Research Associate, Molecular Biology/Virology

Vaccitech

Oxford Science Park
Supervisor: Director Virology, Vaccitech

POSITION SUMMARY:

Vaccitech Ltd is seeking a molecular biologist to join a team focused on viral vectored vaccines research and development. The successful candidate will participate in the development of new approaches to generate viral vaccine vectors, including (but not limited to) adenoviral and poxviral vectors. The candidate will perform molecular cloning and characterization of viruses as well as take part in developing new methods of generating recombinant vectors. Required qualifications include BSc degree in a Biological or Biochemical Science as well as working knowledge of molecular biology, cell biology and microbiology procedures and practices. A background in virology is highly desirable.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Conduct laboratory work involving the construction, growth, and evaluation of viral vector vaccine candidates
- Construct and characterise various customised shuttle plasmids for the generation of recombinant viral vectors
- Maintain and evaluate both mammalian and bacterial cell cultures for growth conditions, DNA purification and viral vector production
- Assist in studies to optimise the ability to manufacture vectored vaccines, such as evaluation of alternative systems, host or vector gene deletions or insertions, viral culture yield, systems for viral growth, etc.
- Evaluate and perform analytic assays to determine the quality, yield, stability, etc. of specific candidates or of specific manufacturing process conditions.
- Assist in ordering supplies, making reagents and maintaining the laboratory in order to conduct necessary experiments

- Prepare study reports for leadership and assist in preparing manuscripts for publication in scientific journals.

Perform other duties as required.

QUALIFICATIONS AND REQUIREMENTS:

1. Bachelor's degree in the biological sciences
2. At least 2 years of relevant work experience, ideally in industry, with demonstrated experience in laboratory bench work with viruses and/or cell culture systems
3. Proficient in conducting research using a variety of assays/methodologies; molecular cloning, PCR/qPCR, DNA sequence interpretation, western blot
4. Excellent writing and communication skills; ability to understand and communicate scientific information; proficiency in Powerpoint, formatting charges, graphic displays and tables
5. A self-starter with the ability to work in a fast-paced environment and adapt quickly to changing needs and priorities; proven ability to prioritize and manage multiple tasks simultaneously.

TRAVEL REQUIREMENTS:

Minimal

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

LANGUAGE SKILLS

English fluency