



Job Posting- Post Doctoral Research Fellow

About Cytophage Technologies Inc

Cytophage Technologies Inc is a small biotech company based in Winnipeg, Manitoba, working on the development of bacteriophages that serve as an alternative to antibiotics and help tackle the global problem of antibiotic resistance.

Our vision is that every hospital, every veterinarian and every agricultural facility will have a supply of Cytophage products to manage any incumbent or emergent bacterial infection.

Job Description

We are currently seeking a full-time post doctoral fellow to work in our Research and Development department for a 2-year term with the possibility of extension. This position will report to Senior Research Scientists. Specific project work will include research in the development of alternative cloning / expression hosts for both episomal and chromosomal integration plasmids.

Job responsibilities may include but are not limited to:

- Training and mentoring of students
- Isolation, characterization and analysis of alternative cloning hosts and plasmids
- Development, evaluation and proof of plasmid insertion and maintenance into cloning hosts
- Analysis of plasmid maintenance and protein expression
- Managing day to day aspects of the project
- Project design, method optimization and trouble shooting
- Literature search and writing of reports and papers for publication

Job Qualifications

Education and Experience

- Education: PhD with specialization in molecular biology, microbiology or genetics
- Strong publication record in peer-reviewed journals
- Demonstrated ability to develop, lead, analyze data and complete complex research projects with minimal supervision
- Experience working in a laboratory environment and in the operation and maintenance of modern laboratory equipment
- Significant and demonstrable experience in molecular biology techniques including, but not limited to; PCR, RT-PCR, nucleic acid extraction, gel electrophoresis, standard cloning techniques, Northern, Southern and Western blots, protein expression with and without codon-optimization
- Experience in cloning and genomics software including Geneious
- Significant experience in bacterial and fungal isolation and characterization methods
- Experience in phage propagation and characterization methods is an asset
- Ability to optimize and troubleshoot independently
- Significant experience working in a Containment Level 2 environment and knowledge of biosafety principles and practices for working with pathogens
- Experience mentoring and managing student research assistants



- Demonstrated ability to collaborate with internal and external teams
- Possess strong oral and written communication skills including conference proceedings, project reports, laboratory presentations and SOP writing

Competencies/Skills

- Effective oral and written communication
- Analytical thinking
- Problem solving
- Initiative
- Adaptability
- Being a team player
- Time management and organization
- Attention to detail

Application Process

Closing date: March 31, 2021 at 4 pm

Please send applications by email to Diane Pappas (dpappas@cytophage.com)