

INFORMATION FOR CANDIDATES

for appointment as

Postdoctoral Fellow

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY FACULTY OF BIOMEDICAL SCIENCES

Summary of the Research Project

This project aims to understand how bacteria defend themselves from jumbo phages with the future goal of informing the optimisation of future phage applications as antimicrobials against harmful bacterial pathogens

Main Objectives

- To plan and execute experiments relating to the overall objectives of the Marsden Funded project.

Key Tasks

- To carry out diverse techniques covering areas of microbiology, genetics, bioinformatics, biochemistry and microscopy to address the project objectives.
- Keep accurate laboratory records.
- To analyse data and present it at scientific meetings and write up results for publications.
- Design, perform, analyse and interpret results of experiments and discuss these regularly with Prof. Fineran and other lab members for support and supervision.
- Assist in the supervision and training of research students and staff as required with Prof. Fineran.
- To keep up-to-date with relevant published scientific papers.
- To assist with the writing of grant applications.
- Work with micro-organisms under PC2 containment and in line with all regulatory and procedural requirements.
- Provide assistance in basic laboratory tasks (cleaning, autoclaving, media preparation etc.)

Relationships

Directly responsible to:

Prof. Peter Fineran.

Supervision of:

Assistance with the supervision of students and technical staff as relevant.

Functional relationships with:

National and International collaborators

Other research staff and students in Prof. Fineran's research laboratory.

Other members of the Department of Microbiology and Immunology.

Budgetary Responsibility

Nil.

Person Specification

- PhD in a relevant biological science and a publication record consistent with that of an active researcher.
- Experience in relevant experimental techniques highly desirable. In particular microbial genetics, molecular biology, biochemistry, bioinformatics and microscopy.
- A thorough, organised, and systematic approach to laboratory practice and record keeping is essential.
- Ability to relate to a wide variety of people within a research environment.
- Ability to work without direct supervision, set priorities and allocate own timetable.
- Self-motivated.
- Ability to work well in a team environment.

MĀORI STRATEGIC FRAMEWORK

Act in a manner consistent with the principles and implications, and the University's commitment to te Tiriti o Waitangi as articulated in the Māori Strategic Framework.

PACIFIC STRATEGIC FRAMEWORK

Act in a manner consistent with the strategies and goals contained in the University's Pacific Strategic Framework.

SUSTAINABILITY

Act in a manner consistent with the University's sustainability commitments; role-modelling sustainable practices