



SENIOR SCIENTIFIC OFFICER (2 POSITIONS)

(Payclass 09; Fixed-term contracts)

1 x 2 yr & 10 months (34 months) fixed term contract

1 x 1 yr & 10 months (22 months) fixed term contract

**Division of Medical Virology/Institute of Infectious Disease & Molecular Medicine, Department of Pathology
Faculty of Health Sciences**

The University of Cape Town invites applications for **2** fixed term contract posts in the Division of Medical Virology/Institute of Infectious Disease and Molecular Medicine.

These positions are funded by the Technology Innovation Agency (TIA) under their Agricultural Bioeconomy Innovation Partnership Programme (ABIPP), which aims to increase productivity, food security and sustainable rural development. The World Organisation for Animal Health classifies foot-and-mouth disease (FMD) and lumpy skin disease as two highly contagious, notifiable diseases among farm animals with severe economic costs. FMD is a serious problem in South Africa and better, cheaper vaccines against FMD are needed. This project aims to make a dual vaccine against foot-and-mouth disease and lumpy skin disease.

Requirements:

- MSc in molecular biology, virology, microbiology, biochemistry or a related discipline.
- Experience in cell culture.
- Computer literacy.
- Experience in standard molecular biology techniques – PCR, cloning, protein characterization by immunoassays.
- Minimum experience of 3 years in molecular biology and cell culture.
- Experience in making recombinant poxviruses.

The following will be advantageous:

- Experience in fluorescent microscopy & electron microscopy.
- Experience in protein and virus purification.
- Experience in preparing scientific reports.

Responsibilities:

- Construction and characterization of recombinant poxvirus vaccines.
- Planning, implementation & quality control of project to ensure delivery of objectives.
- Contribution to the research agenda of the project to develop vaccines against FMD and LSD.
- Assistance with laboratory operations.
- Conducting laboratory / research work
- Reporting of results.
- Maintenance of requirements for Health & Safety of laboratories.

The annual cost of employment for the 2 positions are as follows (including benefits where applicable):

- 2 year & 10 months (34 months) fixed term contract: R465 633 and R547 802
- 1 year & 10 months (22 months) fixed term contract: R294 596 and R547 802

To apply, please e-mail the below documents in a **single pdf file** to Ms Tracy Moore at recruitment05@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Motivation letter that speaks to the specific requirements of the position, and
- Curriculum vitae (CV)

Please ensure the title and reference number are indicated in the subject line and specify which position you are applying for, i.e., 34 months or 22 months fixed term contract or both.

An application which does not comply with the above requirements will be regarded as incomplete.

Only shortlisted candidates will be contacted and may be required to undergo assessments.

Telephone: 021 650 5405

Website: <https://health.uct.ac.za/medical-virology>

Reference number: E230248

Closing date: 22 June 2023

UCT is a designated employer and is committed to the pursuit of excellence, diversity and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups. Our Employment Equity Policy is available at www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf.

UCT reserves the right not to appoint.