



LABORATORY TECHNOLOGIST

(12 month contract)

Institute of Infectious Disease and Molecular Medicine Faculty of Health Sciences

The Wellcome Centre for Infectious Diseases Research in Africa (CIDRI-Africa) has been established at the University of Cape Town to build on existing basic and clinical research of infectious diseases in the Faculty of Health Sciences. This Centre is the only one outside of the United Kingdom. The Centre conducts biomedical research including clinical, laboratory and research involving high-dimensional data. We seek to appoint a highly motivated Laboratory Technologist to provide laboratory support for our studies. The work will mainly be on the Wellcome project investigating the role of mucosal-associated invariant T (MAIT) cells in resistance to *Mycobacterium tuberculosis* infection in healthcare workers with sustained occupational exposure. There may be support for other studies as required.

Minimum requirements

- BSc (Honours) in Health Sciences or B. Tech in Medical Laboratory Technology
- At least 1 year of experience working in sterile Biosafety level 2 and/or level 3 laboratory conditions.
- Willingness to work with samples from patients infected with *M. tuberculosis* and HIV.
- Excellent communication/interpersonal/administrative/organizational skills, and be detail-orientated
- Must be a South African, permanent resident or in possession of a valid work permit.

Advantageous

- Master's degree in Health Sciences
- Experience in *Mtb* culture techniques and techniques listed below;
- Clinical laboratory research experience and Good Clinical Laboratory Practice certification.

Responsibilities

- Processing of blood and other specimens according to protocol and documenting results, which will include:
 - The separation of serum and peripheral blood mononuclear cells (PBMC);
 - The separation of cells from other body fluids (e.g. Bronchoalveolar lavage cells);
 - Cryo-preservation of separated cells;
 - Setting up cell cultures for *in vitro* stimulation;
 - ELISA (including Quantiferon), Luminex assays and Flow cytometry assays
- To culture and process clinical research material/samples in a BSL 2 and 3 laboratory.
- Manage laboratory documentation and audit trails for sample processing, storage and shipping
- Performing general laboratory and equipment maintenance including arrangement for calibrations per SOP
- Ensure adherence to Health and Safety procedures
- Liaise with study staff to resolve queries.
- Formal duties will not exceed 37.5 hours per week, but flexible hours will be required.
- Flexibility to perform new duties in the laboratory as required

The 2018 annual cost of employment is between R189 629 to R353 522, depending on experience.

Informal inquiries to: Dr Muki Shey (muki.shey@uct.ac.za)

Effective start date: For appointment as soon as possible or by 15 March 2019.

To apply, please e-mail the below documents in a **single pdf file** to Erika Morey at erika.morey@uct.ac.za:

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Cover letter
- Curriculum Vitae (CV), and **Email and telephone details of at least two (2) contactable referees**

Please ensure the title and reference number are indicated in the subject line. An application which does not comply with the above requirements will be regarded as incomplete. Only shortlisted candidates will be contacted for interviews and may be required to undergo an assessment.

Reference number: E90210

Closing date: 17 February 2019

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UCT reserves the right not to appoint.