



## JUNIOR RESEARCH FELLOW

(3-year contract)

**Medical Biotechnology & Immunotherapy Research Unit**

**Institute of Infectious Disease and Molecular Medicine**

**Department of Integrative Biomedical Sciences**

**FACULTY OF HEALTH SCIENCES**



Applications are invited for **the above-mentioned position** granted to the UCT accredited Medical Biotechnology & Immunotherapy Research Unit. The major aim of its research is the use of medical biotechnology including **antibody technologies, protein engineering & expression** to develop and evaluate knowledge-based innovative **recombinant immunodiagnostics and -therapeutics**. The main characteristics of these novel agents are: a) disease-specific activities, b) reduced unspecific side effects, and c) reduced immunogenicity.

We are seeking qualified individuals who have experience in the **publication** of peer reviewed research articles as well as **innovative individuals** who are interested in the translation of basic science to **commercially viable products and technologies**. The successful incumbent will be well **supported** in applications for **supplementary funding and professional development** activities.

### Requirements for the job include:

- A PhD in Immunology, Biology, Biotechnology or related fields
- Established expertise in tissue culture and molecular cloning/biology research applications
- Excellent computer literacy and a good breadth of data and statistical analysis tools
- Demonstrated excellent communication skills
- The ability to work effectively and well in a team, with excellent organizational skills
- The ability to work autonomously, under pressure, and to meet deadlines

### The following will be advantageous:

- A minimum of 2 years postdoctoral experience working in the area of antibody applications in precision medicine with established expertise in current biomedical biotechnology technologies, including molecular cloning, bacterial and mammalian tissue culture, protein purification, clinical sample processing work and preclinical animal models
- Knowledgeable of SNAP tag technology and its use to create recombinant antibody fusion proteins
- Knowledgeable of antibody protein engineering to create recombinant immunotherapeutics
- Track record of original publications in the fields of research specified in this advertisement

### Responsibilities:

- To conduct innovative research in the field of precision medicine, protein engineering, development of recombinant immunodiagnostics and -therapeutics especially in the context of cancers affecting African women
- (Co-)supervise postgraduate students and more junior staff members' research
- Contribute to administration and management duties
- Contribute to innovation research and patent applications
- Publish research findings in peer-reviewed journals
- Attract national and international research funding to conduct (semi-)independent research in the above-mentioned areas of research

The annual remuneration package for 2023, including benefits, is between R544 062 and R658 000 (post is funded from research funding) depending on qualifications and experience.

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

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 an assessment.

**Telephone:** 021 650 5405 **Website:** [www.health.uct.ac.za](http://www.health.uct.ac.za)

**Reference number:** E230398 **Closing date:** 31 January 2024

*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](http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf).*

UCT reserves the right not to appoint.