



SENIOR SCIENTIFIC OFFICER: IDM FACS CORE FACILITY MANAGER

(Payclass 09; T1 Contract)

Institute of Infectious Disease and Molecular Medicine FACULTY OF HEALTH SCIENCES

The Institute of Infectious Disease and Molecular Medicine (IDM), established in 2004, is a cross-faculty postgraduate research institute based within the University of Cape Town (UCT). It is physically and administratively located within the Faculty of Health Sciences. The IDM has a mission to combat diseases including tuberculosis, HIV/AIDS, and COVID-19 and stands as a beacon of scientific excellence in Africa. Our vision is to be an international centre of excellence where world-class scientists work together to tackle diseases of major importance in Africa.

Our Mission is to conduct basic, clinical and public health research that is leading-edge and relevant to the needs of African people; to develop indigenous scientific capacity in the biomedical sciences; to influence health policy and practise by translating scientific discoveries and applying them in our communities; and to build partnerships with other research centres in South Africa and elsewhere.

The IDM conducts research at the laboratory-clinic-community interface by engaging a wide range of scientific and clinical disciplines. Flow cytometry is a core technology, offered through a busy Core Facility that manages cutting edge instruments including a BD FACS Fusion sorter, two BD FACS Symphony analysers and a BD Fortessa. For more information, visit www.idm.uct.ac.za.

We are inviting applications for a FACS Core Facility Manager in the IDM. The position will be located at the Faculty of Health Sciences in Observatory, Cape Town. The main purpose of this position is to perform specialized laboratory procedures in support of scientific research goals of scientists at the IDM, under the oversight of the Deputy Director of Immunology (SATVI) and the Flow Cytometry Core Facility Manager. Knowledge transfer of technical and scientific expertise by means of teaching and training of students and other personnel is also required. As Sorting Specialist, the main responsibilities include the management and maintenance of the cell sorter cytometer instruments and training of users (students and staff) in this technology, in addition to running sorting experiments where required. This also falls under the oversight of the Deputy Director of Immunology (SATVI) and a Senior Scientist (skilled in flow cytometry techniques and assays), to provide a specialist service to the Institute. The sorting specialist also has scope to provide support to other IDM core facilities, including but not limited to, microscopy and mass cytometry (housed in the mass spectrometry core facility).

Requirements for the job:

- NQF 8 (Bachelor's degree or advanced diploma in a relevant field. i.e. cell biology, microbiology, or related field of study. Masters (NQF9) in relevant field highly advantageous.
- At least 4 years relevant experience in sorting and/or flow cytometry.
- Fluency in English.

The following will be advantageous:

- Fluent in English with excellent verbal and written communication skills
- Intermediate to advanced knowledge of FACSDiva and FlowJo (v10) software.
- Ability to work in a BSL2 and BSL3 laboratory under sterile conditions at the general workbench, biosafety cabinet and incubators.
- Microscopy and micro-pipetting.
- Excellent interpersonal skills including the ability to engage well in multinational and multicultural groups and with individuals.
- Good problem-solving skills.
- Good organization and time-management skills.
- Computer literacy (Microsoft Office programs or similar, and good general computer and data handling skills).

Responsibilities:

- Duties will include performing highly specialized laboratory techniques, including but not limited to, single cell sorting in support of research projects. Other techniques may include flow cytometry, mass cytometry (CyTOF), microscopy, etc.
- Assist in the optimization of laboratory techniques for use in research e.g. flow cytometry antibody panels.
- Assist in preparation of research project specific, and generic operating procedures related to cell sorting, flow cytometry and related techniques/assays.
- Management of the IDM Flow Cytometry Sorting Facility, including maintenance and QC procedures of the cytometers (including sorting, flow, mass cytometers as required) .
- Effective financial management of funding related to the facility (i.e. costing, budgeting, ordering, invoicing, expenditure, payment reconciliation etc.).
- Train new users and students on the use and operation of specialised equipment, maintenance thereof, relevant quality control (QC) and facility procedures as required.
- Communicate directly with relevant users/supervisors/management about service/facility related matters.

The annual remuneration package, including benefits is between R513 345 and R603 933.

To apply, please e-mail the below documents in a **single pdf file** to ids@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Cover letter, and
- 2-page Curriculum Vitae (CV)

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 competency and pre-placement-medical assessments.

Any enquiries for the position to be addressed to Ms Selisha Naidoo at ids@uct.ac.za or 084 554 9851

Closing date: 07 March 2025

Website: www.ids.uct.ac.za

Reference number: E25227

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 [Employment equity | University of Cape Town \(uct.ac.za\)](http://Employment%20equity%20|%20University%20of%20Cape%20Town%20(uct.ac.za)).

UCT reserves the right not to appoint.