



POSTDOCTORAL RESEARCH FELLOWSHIP

LUNG INFECTION AND IMMUNITY UNIT
DEPARTMENT OF MEDICINE
FACULTY OF HEALTH SCIENCES

Applications are invited to apply for a postdoctoral fellowship based in Professor Keertan Dheda's research group at the Lung Infection and Immunity Unit, University of Cape Town. Individuals who have achieved their PhD degree within the past 5 years, and who have previously held permanent academic or professional posts are eligible. Applicants should ideally have experience in molecular biology and/or immunology. Applicants who have management and/or lab supervisory experience are strongly encouraged to apply, although this is not essential. The research project will involve the development of an immunotherapeutic intervention against XDR-TB.

Research to be undertaken:

- Laboratory processing of biological specimens, setting up of laboratory assays, implementing immunological read-outs, management of scientific data, and data analysis.
- Developing and establishing new laboratory methods.
- Writing research grants, scientific papers and laboratory standard operating procedures.
- In addition, the successful candidate will be expected to contribute to management of laboratory resources; to participate in scientific and team-building activities, and be able and willing to travel, including overseas.
- As part of the successful incumbent's professional development s/he will be offered limited participation in the training of postgraduate students and junior staff.

Conditions:

- PhD in immunology or molecular biology or related discipline (obtained within the last 5 years).
- Cell culture experience, particularly with human peripheral blood mononuclear cells.
- Experience in TB related research will be an advantage.
- Experience in a wide range of immunological and molecular techniques.
- Experience in flow cytometry.
- Ability to work diligently and independently.
- Ability to work well in a team.
- Computer literacy.
- Knowledge in management of a research laboratory and scientific writing skills will be advantageous.
- Successful incumbent will be required to comply with the University's approved policies, procedures and practises for the postdoctoral sector.

The value of this fellowship is **R300 000** and is exempt from taxation.

Application Process:

The tenure of the fellowship is 1 year, but is likely renewable for a further 2-3 years, contingent on satisfactory progress and availability of funds. To apply please forward an application form, covering letter, full CV, certified copies of all academic transcripts, and contact details of two academic referees to Pat Wileman.

E-mail: pat.wileman@uct.ac.za Telephone: +27 21 4047654 Fax: +27 21 4047651

Website: http://www.lunginstitute.co.za/content/lung_infection.html

The application form can be downloaded at <http://web.uct.ac.za/depts/sapweb/forms/hr201.doc>.

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

Reference number for this fellowship:

Closing date for applications: 31ST October, 2015

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