



UNIVERSITY
OF THE
WITWATERSRAND,
JOHANNESBURG



DST/NRF Centre of Excellence for
Biomedical TB Research

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Date: 19 November 2018

Positions for Postgraduate Students and Postdoctoral Fellows

The Wits node of the DST/NRF Centre of Excellence for Biomedical TB Research (CBTBR) is looking for MSc and PhD students. Successful candidates will have the opportunity to participate in the vibrant research program ongoing in the department. The candidates' research will be funded through several local and international grants awarded to the CBTBR by the Department of Science and Technology, National Research Foundation and the Bill and Melinda Gates Foundation.

The Wits node of the CBTBR provides a dynamic working and training environment for career development.

Students will learn/gain experience in the following:

1. Basic molecular biology techniques such as cloning, PCR and bacterial genetics
2. Clinical and translational research aimed at assessing mycobacterial physiology in sputum
3. Culture and handling of human pathogens under BioSafety Level III conditions where appropriate
4. Occupational Health and Safety training with GLP/GCP training and accreditation for clinical projects
5. Specialist techniques in microbial physiology such as microarrays, HPLC and confocal microscopy
6. Analysis of mechanisms of drug resistance emergence in *Mycobacterium tuberculosis*

Students will have the opportunity to interact and grow their research with collaborators, and to present their work at local and international meetings. Please note that this call is for full-time students only who are South African citizens. Part-time applicants will not be considered.

To apply, please send an updated resume, academic transcript and the names and email addresses of three referees to:

Dr Christopher Ealand: Christopher.Ealand@nhls.ac.za, with a copy to Dr Julian Peters: julian.peters@nhls.ac.za

Closing Date: 16th December 2018 with selection to be made mid- January 2019