



UNIVERSITY OF
KWAZULU-NATAL
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The causes and consequences of HIV transmission and drug resistance - PhD and MSc studentships available at UKZN for the MRC Flagship research project

“MRC Flagship projects, which are inter-disciplinary in scope, are an institution’s highest impact and most prestigious research project. They are essentially big ideas, big science for big impact!” MRC President, November 2013.

Genomics, Bioinformatics & Epidemiology I - Prof. Tulio de Oliveira & Prof. Frank Tanser, Africa Centre, UKZN

“This PhD project aims to generate HIV genomic data and apply molecular epidemiology techniques to describe the characteristics of HIV transmission networks in the study population. These results will be combined with detailed demographic information in order to identify patterns of inter- and intra-community transmission of HIV in the study population. This project has three clear aims: i) To determine the genetic characteristics of HIV strains found within known incidence “hotspots”; ii) To identify strain-specific geographical clusters of new HIV and (iii) To characterize high transmitters characteristics in terms of their socio-demographic, behavioral and geographic attributes. The student will also receive hands-on laboratory experience in next generation sequencing techniques and will receive training in Bioinformatics and Geographic Information System techniques ”

PhD and MSc fellows will be awarded a scholarship that will cover their tuition costs in addition to a competitive stipend salary. Interested students should send an application, which should contain a CV and a motivation letter (max. 500 words) **by 30 January 2014** to Mrs. Xolile Kineri @ email: xkineri@afriacentre.ac.za, Tel: 035 550 7500, Fax: 035 550 7565.

In total, we are advertising 7 PhDs and up to 4 MScs fellowships that can be taken in different departments at UKZN. This includes the following disciplines *Clinical Infectious Diseases, Computer Science, Epidemiology, HIV Pathogenesis, Human Genetics, Genomics & Bioinformatics and Social & Economical Sciences*. **More info: www.bioafrica.net**

THE PREMIER UNIVERSITY OF AFRICAN SCHOLARSHIP