AFRICA CENTRE
FOR HEALTH AND POPULATION STUDIES

UNIVERSITY OF
KWAZULU-NATAL ™
INYUVESI
YAKWAZULU-NATALI

The Africa Centre for Health and Population Studies is a joint initiative of the University of KwaZulu-Natal and the South African Medical Research Council, with support from the Wellcome Trust and other funders, to create a global centre of research excellence in a rural area. The Centre's mission is to conduct in partnership with the community, policy-relevant health and population research in an ethical manner, and to enhance the capacity of the people of sub-Saharan Africa to conduct research.

The Centre is located in the rural Umkhanyakude District of KwaZulu-Natal. It hosts a number of clinical and social research projects, including Africa's most comprehensive Demographic Surveillance System which monitors longitudinal vital events in a population of 90 000, and provides a rich base for health and social science research. Employees of the Africa Centre are encouraged to gain a broad experience across all studies in order to develop their own skills and advance their careers.

SOFTWARE DEVELOPER

Africa Centre through its European Commission Virogenesis Project wish to recruit a **Software Developer.** This position will be responsible for the development of an open source bioinformatics software application. This project will further develop the popular Rega HIV and Oxford HCV subtyping tools, which are the first ever bioinformatics pipeline for automatic typing of pathogens using phylogenetics. The software application is developed as open source software with multiple programmers in some of the top academic institutions in Europe and United States of America.

The qualifications, experience and skills required: • MSc or PhD in Computer Science, Bioinformatics, Engineer or Phylogenetics • Strong computer programming and software development skills.

Personal attributes required: • Mathematical aptitude and strong problem-solving skills • Excellent IT and programming skills in JAVA; PERL; Phyton or C++ • Previous experience in the development of open source software applications.

BIOINFORMATICS SCIENTIFIC MANAGER

Africa Centre through its MRC Flagship programme wishes to recruit a **Bioinformatics Scientific Manager**. This position will be responsible for the overall management of the day-to-day activities of a number of HIV & TB scientific projects of Africa Centre's bioinformatics research group. This individual will be responsible for: • Writing grant reports • Supporting new grants applications • Managing scientific communication with collaborative research groups • Proving computer and IT support in the group • Managing the group website and web-based bioinformatics tools • Drafting manuscripts • Interacting with other admin teams at Africa Centre and UKZN.

Qualifications and experience required: • Degree in a scientific discipline in line with the research topic (such as virology, microbiology, bioinformatics or biochemistry) • Quality management and health and safety certified • IT Project Management certified; project managing various IT systems and software • Experience in quality control, quality assurance and management of different projects • Experience in writing policies, procedures and reports.

Personal attributes and skills required: • Scientific aptitude • Excellent report-writing skills • Excellent IT and programming skills • Project management skills • Excellent organisational time and management skills • Good coordination and collaboration with the informatics team and laboratory personnel • Ability to lead cross-functional and cross-divisional efforts.

Enquiries should be directed to the Programme Director, Professor Tulio de Oliveira at (031) 260-4198 or e-mail: tdeoliveria@africacentre.ac.za Unless otherwise stated, these posts will be offered until 30 September 2016; an extension will be dependent on funding/performance. The remuneration offered will be as per Africa Centre salary scales coupled with qualifications and previous job experience and salary of the successful candidate.

Applicants are required to submit a covering letter, Curriculum Vitae with certified copies of qualifications and details of three (3) contactable referees to: The Human Resources Office, Africa Centre, Box 198, Mtubatuba 3935 or e-mail: acemployment@africacentre.ac.za

Faxed, late and incomplete applications will not be considered. Correspondence will only be entered into with short-listed candidates. Africa Centre reserves the right not to make any appointment/s.

The closing date for all applications is 13 September 2015.

For more information visit the following websites: www.africacentre.com and www.bioafrica.net

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