

BUSINESS UNIT: NICD
DISCIPLINE: CENTER FOR RESPIRATORY DISEASES AND MENINGITIS
LOCATION: SANDRINGHAM
POSITION: BIOINFORMATICS SCIENTIST
(FIXED TERM CONTRACT :12 MONTHS)
(RE-ADVERTISEMENT)

PAY GRADE: D1
REFERENCE NUMBER: NICDCDC0920/001-04

To promote, build expertise and provide high-level bioinformatics solutions to all NICD users involve in both surveillance and research activities.

Key Job Responsibilities

■ Engage with users within the NICD nationally and the African continent ■ Co-ordinate shipments of samples from local labs and other African countries to the NICD ■ Perform basic and advanced analysis and interpretation on data produced from next generation sequencing systems as well as develop, improve, modify and operate data analysis pipelines ■ Conduct and initiate research in the area of NGS data analysis ■ Work closely with researchers and collaborators to generate/provide data analysis reports and perform custom analysis as requested ■ Participate in training staff/students/collaborators with bioinformatics skills and build confidence amongst African collaborators to analyze their own data ■ Monitor and manage bioinformatics requests/projects to ensure objectives of ongoing studies are achieved ■ Establish strong collaborative links with experts within the consortium in the area of bioinformatics.

Minimum Requirements and Key Competencies

■ MSc In Bioinformatics or related relevant field ■ PhD desirable ■ Two (2) years' experience with next - generation sequencing data analysis ■ Experience with the relevant sequence analysis tools/best practices ■ Background or experience in molecular biology or microbiology ■ Experience with working in a Linux/UNIX environment ■ Strong bioinformatics analysis and scripting experience including proficiency with a scripting language (e.g. Python, Java, Perl) ■ TIC/IP knowledge will be an added advantage ■ Project management knowledge ■ Have proven ability to formulating and/or implementing high; level bioinformatics solutions ■ Ability to work with others including international and collaborators ■ Project management, financial and costing skills ■ Innovation and problems solving skills ■ Ability to write successful grant applications and reports to funders and to publish findings in scientific journals ■ Ability to work with others including international collaborators and to manage junior staff and students.

Enquiries may be directed to Gomotsang Mogomane @ 011 386 6425, email application to Recruiter2@nicd.ac.za