

BUSINESS UNIT: NICD  
DISCIPLINE: CENTER FOR RESPIRATORY DISEASES AND MENINGITIS  
LOCATION: SANDRINGHAM  
POSITION: BIOINFORMATICS SCIENTIST  
**(FIXED TERM CONTRACT - 12 MONTHS)**  
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 Fleming Fund network (including at NICD, within the African continent and at Denmark Technical University) ■ Coordinate shipments of samples from 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 the Fleming Fund are achieved ■ Establish strong collaborative links with experts within the consortium in the area of bioinformatics.

#### Minimum requirements & key competencies

■ MSc In Bioinformatics or related relevant field ■ PhD desirable ■ 2 (two) 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](mailto:Recruiter2@nicd.ac.za)