

BUSINESS UNIT: NICD  
DISCIPLINE: CENTRE FOR HEALTHCARE-ASSOCIATED INFECTIONS,  
ANTIMICROBIAL RESISTANCE AND MYCOSES (CHARM)  
LOCATION: SANDRINGHAM  
POSITION: MEDICAL SCIENTIST (RE-ADVERSITEMENT)  
PAY GRADE: PRINCIPAL (MSP)  
REFERENCE NUMBER: NICD0120/001-04

**The successful candidate will lead the Centre's new integrated molecular laboratory and will work closely with the antimicrobial resistance (AMR) and mycology reference laboratories and the epidemiology section in the Centre. This is an exciting position offering great opportunities for career development. The Centre hosts a World Health Organization (WHO) Collaborating Centre for AMR and the successful candidate will support activities of this Collaborating Centre. In addition, there are regional and international opportunities for collaboration and funding in the fields of AMR and mycology that can be explored and built upon.**

#### Key Job Responsibilities

■To apply specialized knowledge in molecular epidemiology, bacteriology and mycology to perform surveillance, outbreak response and diagnostics for healthcare and community-associated bacterial and fungal infections ■Overall supervision and responsibility of the Centre's molecular laboratory to ensure compliance with the mandate of the National Institute for Communicable Diseases (NICD) ■Attend national, regional and international meetings, assist with Centre training priorities, advise and join expert committees, etc. ■Establish processes to ensure optimal diagnosis, surveillance and research suitable to national reference laboratories for antimicrobial resistance and mycology and to understand the characteristics of bacteria and fungi causing diseases in community and hospitals. ■Improve the design and functioning of the laboratory for the Centre with an appropriate spectrum of laboratory tests for assessing and carrying out appropriate public health-focused research into bacterial and fungal infections ■Institute, design and manage research programs to assess impact of diseases of interest, including grant applications ■Provide expert advice and guidance for the Centre to ensure the proper management of such infections/diseases and outbreaks ■Provide expert advice to internal (NICD and NHLS) and external (Department of Health, WHO, etc.) stakeholders ■Design, supervise, manage and analyse data from research projects within the Centre ■Lead a team of scientists to develop a research agenda related to diseases/conditions of interest in the Centre; publish and present research findings within the NHLS and at scientific congresses ■Provide teaching and supervision to registrars, scientists and others in the Centre and at NICD in order to increase capacity in the Institute ■Be a member of expert committees related to advising and guiding the Department of Health and other professionals on issues related to above.

#### Minimum Requirements and Key Competency

■PhD in microbiology or related field ■Registration with HPCSA as a Medical Scientist (microbiology or molecular microbiology) is essential ■ At least 5 years' post-PhD experience in microbiology (total experience as a medical scientist at least 7 years), including laboratory bench skills; and experience with molecular techniques is required ■4 years of managerial experience in the laboratory environment or related medical field, with knowledge of running a SANAS-accredited laboratory ■ Evidence of leading a research agenda with an established publication record is essential ■Successful track record of scientific grant applications and evidence of a substantial teaching portfolio■ Rating with a national or international organisation ■Knowledge of data management ■Demonstrated ability to conduct scientific research ■Good communication (verbal and written) and interpersonal skills ■Good presentation skills ■Computer literacy ■Management skills ■Planning and organising skills ■Analytical skills ■Basic financial management skills.

Enquiries may be directed to Azia Nxumalo @ 011 555 0581, email application to [Recruiter4@nicd.ac.za](mailto:Recruiter4@nicd.ac.za)