

JULY 2021

GUIDELINES TO APPLICANTS

1. If you meet the requirements, kindly forward a concise CV to The relevant Practitioner/Administrator (Human Resources) by email or logging on to the NHLS career page <http://careers.nhls.ac.za> (I-Recruitment), quoting the reference number and the job title.
2. Response Email addresses of the relevant HR representative and or Region is supplied at the end of each regional adverts. The onus is on the applicant to ensure that their application has been received. Incomplete applications and applications received after the closing date will not be considered.
3. Any credentials of the contract of employment will be subject to criminal record checks, citizen verification, financial record checks, qualification/Study verification, previous employment verification, social media accounts behavior/comments verifications, competency/psychometric assessments, signing of performance contract on appointment, signing of an employment contract on appointment, presentation etc.
4. All health professional roles may be subjected to further assessment in line with the applicable proficiency matrix to determine the correct level and or grade.
5. The NHLS reserves the right, at its discretion, to remove the advertisement and or not to appoint.
6. Internal employees are required to complete a period of twelve months in current role before they can be eligible to apply for transfer.
7. Proof of registration with a Professional body (e.g. HPCSA, SANC etc.) and other supporting documents should accompany all applications.
8. These positions are open to all employees of the NHLS Including the employees who are on contract in similar or different positions.
9. Correspondence will be limited to shortlisted candidates only.
10. The NHLS is an equal opportunity, affirmative action employer. The filing of posts will be guided by the NHLS employment Equity Targets.
11. Successful applicants will be remunerated on the published scale associated with the grade of the post. This means that the remuneration of an applicant who is successful for a position that is lower than his/her current job grade will be adjusted downward with effect from the date of appointment.
12. External applicants shall be responsible for all expenditure related to attendance of interviews.

This is an open bulletin; External applicants are welcome to apply for this bulletin.

NB: The NHLS/ NICD is an equal opportunity employer thus the filling of posts will be guided by the NHLS/NICD Employment Equity Targets. Suitably qualified candidates from all designated groups are encouraged to apply.

CLOSING DATE: 23 JULY 2021

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GRANTS MANAGEMENT AND ADMINISTRATION

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR EMERGING ZOO NOTIC AND PARASITIC DISEASES
LOCATION: SANDRINGHAM
POSITION: MEDICAL SCIENTIST (FIXED TERM CONTRACT: 6 MONTHS)
(RE-ADVERTISEMENT)
PAY GRADE: MSI
REFERENCE NUMBER: NICDCDC0621/001-01

This position requires the incumbent to apply specialised knowledge in order to perform tests, conduct research and assist with other laboratory functions in line with the centre's strategic objectives, with regard to parasitic diseases of medical importance.

Key Job Responsibilities

■ Performs specialised reference parasitology tests so that patients receive the appropriate treatment ■ Performs parasitology surveillance functions, including sample processing, data capturing and data analysis, to ensure a comprehensive knowledge is built up about the relevant parasites ■ Performs molecular biology tests to enable the laboratory to study parasites in more depth and enhance knowledge and keep abreast with current research ■ Perform R&D processes and sources funding for projects under supervision to improve laboratory services ■ Actively participates in the laboratory's quality management systems to ensure the laboratory produces accurate and reliable results ■ Performs administrative, procurement and equipment maintenance duties to ensure the smooth running of the laboratory ■ Assists with parasitology quality assessment programmes to help teach and upgrade the quality of laboratories ■ Assist with teaching and training offered by the laboratory to ensure that the participants are taught the correct methodology and their knowledge is improved ■ Presents at research forums, journal clubs and conferences and prepare scientific reports and manuscripts, as necessary.

Minimum Requirements and Key Competencies

■ MSc /PhD in Medical Science or relevant field ■ Registration with HPCSA as a Medical Scientist (Microbiology/Molecular Biology) advantageous ■ Three (3) years post-qualification experience in a laboratory (microbiology/molecular biology) ■ Project leader on at least 1 project protocol ■ Publish peer reviewed articles ■ Training and co-supervision of staff, interns scientist, technologists and students including involvement in the development of training programs or other tools ■ Good Laboratory Practice and Quality Assurance experience beneficial ■ Research methodology ■ Scientific writing and presentation skills and experience ■ Specific laboratory techniques especially molecular techniques e.g. PCR ■ Computer literacy ■ Communication skills (verbal and written) ■ Troubleshooting skills ■ Interpersonal skills ■ Data management, analysis and interpretation skills ■ Attention to detail, and time management skills ■ Ability to work accurately and quickly.

Note that a practical/technical interview may be included.

Enquiries may be directed to Kgaugelo Mkwanazi @ 011 386 6090, email application to Recruiter3@nicd.ac.za

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR VACCINES AND IMMUNOLOGY
LOCATION: SANDRINGHAM
POSITION: MEDICAL SCIENTIST (FIXED TERM CONTRACT: 9 MONTHS)
PAY GRADE: MSI
REFERENCE NUMBER: NICDCDC0721/001-01

To conduct research relevant to the COVID-19 environmental surveillance, particularly detection of genetic variants, and mutational analysis of SARS-CoV-2.

Key Job Responsibilities

■ Conduct laboratory work including PCR and sequencing using Sanger sequencing method and next generation sequencing (NGS) ■ Analyse and report data, in particular related to bioinformatics analysis of SARS-CoV-2 lineages, variants, and mutational analysis ■ Develop appropriate tests and improve existing laboratory tests in order to optimize and enhance the provision of diagnostic services ■ Do diagnostic test development and to assist in troubleshooting related to diagnostic testing ■ Assist in troubleshooting of routine tests in order to solve problems timeously and to avoid unnecessary delays in provision of test results ■ Contribute to the formal teaching and assessment of students and interns to ensure that their knowledge and understanding of the relevant discipline meets academic/degree requirements ■ Perform total quality management of the research laboratory to ensure accurate and reliable results ■ Conduct relevant research (basic and applied) that promotes departmental interests in order to gain new knowledge and improve understanding in line with the NHLS's goal of becoming a world-class research organisation.

Minimum Requirements and Key Competencies

■ Master's degree in Science /PhD in Medical Science ■ Three (3) years post-qualification experience in molecular biology ■ Experience in basic bioinformatics analysis ■ Skills in PCR and its related techniques ■ Skills in data analysis and bioinformatics analysis ■ Project leader on at least 1 project protocol ■ Publish peer reviewed articles ■ Training and co-supervision of staff, interns scientist, technologists and students including involvement in the development of training programs or other tools ■ Good Laboratory Practice and Quality Assurance experience beneficial ■ Research methodology ■ Scientific writing and presentation skills and experience ■ Specific laboratory techniques especially molecular techniques e.g. PCR ■ Computer literacy ■ Communication skills (verbal and written) ■ Troubleshooting skills ■ Interpersonal skills ■ Data management, analysis and interpretation skills ■ Attention to detail, and time management skills.

Enquiries may be directed to Kgaugelo Mkwazi @ 011 386 6090, email application to Recruiter3@nicd.ac.za

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR VACCINES AND IMMUNOLOGY
LOCATION: SANDRINGHAM
POSITION: FIELD EPIDEMIOLOGIST (FIXED TERM CONTRACT: 7 MONTHS)
PAY GRADE: D1
REFERENCE NUMBER: NICDCDC0721-001-02

To provide support for all the existing activities of the unit with specific reference to epidemiological support for the WRC-funded project 'Detection of SARS-CoV-2 in wastewater' to play a key role in linking the CVI data to broader NICD COVID response to ensure that available laboratory component data can be utilized effectively for epidemiological applications with specific reference to surveillance and outbreak response.

Key Job Responsibilities

■ Initiate, develop and implement existing and new epidemiologic studies and surveillance programmes relevant to detection of SARS-CoV-2 in wastewater. Activities include drafting of protocols, study design, data collection and management, data entry, data cleaning, data analysis and report writing ■ Strengthen systems for accessing study data for epidemiological applications with specific reference to the results dashboard and web-based interface for SARS-CoV-2 in wastewater ■ Provide analyses and interpret data and to ensure that accurate data is available for trend analysis and management decisions ■ Draft template reports, prepare data and first drafts for review, and distribute fortnightly or monthly reports on SARS-CoV-2 in wastewater ■ Deliver presentations to appropriate internal and external audiences including local governments, health departments, laboratory staff on aspects of SARS-CoV-2 in wastewater in order to enhance general awareness ■ Keep up to date with relevant, current and emerging research, methods and technologies to ensure personal growth and development, perform appropriate research and publish in relevant scientific journals ■ Support outbreak investigation (including field visits, data collection, cleaning and analysis and report writing) of any pathogens under surveillance by CVI in the event of an outbreak.

Minimum Requirements and Key Competencies

■ MSc in Public Health and / or MPH Field Epidemiology) ■ Three (3) years field experience in field epidemiology ■ Three (3) years' experience with laboratory data analysis ■ Management and administrative experience ■ Research experience ■ Skilled in field epidemiology and application of epidemiological skills to the public health laboratory ■ Knowledge of and insight into laboratory practice ■ Knowledge of and insight into NHLS and NICD laboratory practice ■ Ability to produce statistics ■ Diplomatic skills ■ Communication skills ■ Interpersonal skills ■ Assertiveness ■ Thinking on one's feet ■ Flexibility / Adaptability ■ Teaching / Training ■ Leadership skills ■ Planning and organising skills ■ Attention to detail ■ Ability to work under pressure.

Enquiries may be directed to Kgaugelo Mkwanazi @ 011 386 6090, email application to Recruiter3@nicd.ac.za

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR HIV and STIs
LOCATION: SANDRINGHAM
POSITION: LABORATORY TECHNICIAN (FIXED TERM CONTRACT: 12 MONTHS)
(RE-ADVERTISEMENT)
PAY GRADE: LT1
REFERENCE NUMBER: NICDCDC0321-002-02

To perform a variety of diagnostic analyses for HIV rapid test kit post market surveillance in support of the national HIV Point of Care Programme.

Key Job Responsibilities

■Manage sample collection and suitability for analysis ■Ensure equipment is maintained according to the defined SOP ■Manage data required for the efficient functioning of the lab in order to meet statutory and clinical requirements ■Ensure that quality services are supplied to customers by monitoring work and equipment to obtain maximized outcome ■Maintain safety standards in accordance with OHS Act ■Conduct, process and interpret tests in terms of prescribed procedures, monitoring quality at all times ■Verify and report results (interpret, where applicable) and ensure that results are delivered timeously ■Undertake troubleshooting where necessary ■Maintain records and documentation of tests results and patient information ■Operating, monitor and calibrate analytic equipment according to relevant standards ■Adhere to quality assurance policies and procedures to ensure accuracy of laboratory results.

Minimum Requirements and Key Competencies

■Grade 12 (Maths and Science advantageous) ■HPCSA registration as Medical Technician in Virology ■One (1) years' experience in a laboratory environment ■Health and safety regulations ■Knowledge of technical appliances ■knowledge of quality control procedures ■Troubleshooting skills ■Attention to detail ■Use of laboratory equipment ■Analytical skills ■Communication skills ■Interpersonal skills ■Computer literacy (Excel/Word) ■Record keeping and filing skills.

Enquiries may be directed to Zinhle Buthelezi @ 011 885 5404, e-mail application to Recruiter1@nicd.ac.za

BUSINESS UNIT: NICD
DISCIPLINE: DIVISION FOR PUBLIC HEALTH SURVEILLANCE AND RESPONSE
LOCATION: MPUMALANGA (ROB-FERREIRA HOSPITAL)
NORTH WEST (TSHEPONG/KLERKSDORP HOSPITAL)
POSITION: OFFICER – SURVEILLANCE X2
(FIXED TERM CONTRACT :12 MONTHS)
PAY GRADE: C2
REFERENCE NUMBER: NICDCDC0721/001-03

To collect quality clinical data and samples from patients at designated sites for the relevant surveillance projects as per protocol. The surveillance officer will be involved in clinic, community and hospital based surveillance and research for programmes/ projects that link with and fall under the GERMS-SA surveillance and syndromic surveillance programme. This includes syndromic pneumonia, diarrhoeal and acute febrile illness surveillance at certain sites.

Key Job Responsibilities

■Rapidly identify surveillance cases by close liaison with clinicians and laboratory personnel, daily review of all new admissions, and by using other methods that are in place for that site ■Obtain informed consent and interview patients, clinicians and relatives to fulfill ethical requirements and ensure reliability of data ■Complete case report forms by interview and/or record review and submit timeously ■Conduct pre- and post-test counseling for HIV testing, as specified in the relevant surveillance or research protocol ■Take/ collect relevant specimens (nasopharyngeal, oropharyngeal, nasal and stool swabs, and venepuncture) from patients for laboratory testing as per protocol ■Monitor the progress and outcome of patients in and out of the hospital to ensure accurate data collection and recording. Produce weekly stats reports ■File surveillance and research records on-site after data collection, according to the relevant protocol ■Actively participate in and contribute to surveillance-related activities ■Must be willing to travel between the various sites and may be required to do patient home visits ■Assist to obtain permission and ethics approval for surveillance and research activities in the region ■Perform tasks assigned by the line manager, related to NICD surveillance and research and assisting with hospital screening and specimen-taking.

Minimum Requirements and Key Competencies

■Three or Four Year Diploma in Nursing ■Three (3) years' clinical work, post-qualification ■Two (2) years in clinical research would be advantageous ■SANC registration ■Registered as a Professional Nurse / Registered nurse ■Computer Literacy: Microsoft Office skills (word, excel and PowerPoint) ■Valid driver's license (manual) ■Knowledge of infection prevention and control procedures. HIV counselling and testing certificate will be advantageous ■Good Communication skills both written and verbal (advantageous if proficient in English and languages used at the advertised site) ■Enthusiastic and keen to learn ■Own car would be preferable ■Good clinical practice certificate (GCP) preferable ■Ability to produce reports. Ability to maintain confidentiality, diplomacy and professionalism at all times ■Ability to work under pressure and adhere to deadlines ■Strong managerial and organizational abilities with attention to detail ■Self-motivated, able to work independently and as part of a multidisciplinary team.

Enquiries may be directed to Zihle Buthelezi @ 011 885 5404, e-mail application to Recruiter1@nicd.ac.za

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

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR HIV AND STIs
LOCATION: SANDRINGHAM
POSITION: MEDICAL TECHNOLOGIST (FIXED TERM CONTRACT: 12 MONTHS)
(RE-ADVERTISEMENT)
PAY GRADE: MT2
REFERENCE NUMBER: NICDCDC0621-001-03

Perform all duties pertaining to HIV project-related post market testing surveillance in the Sero-Molecular section for the Centre for HIV and STIs.

Key Job Responsibilities

Operational efficiency of laboratory

■Receive and prepare all samples for analysis and carry out all testing procedures in accordance with relevant SOP's within specified TAT's
■Manage data required for the efficient functioning of the lab in order to meet statutory and clinical requirements ■Ensure that quality services are supplied ■Maintain safety standards in accordance with OHSA ■Conduct, process and interpret tests in terms of prescribed procedures, monitoring quality at all times ■Verify and report results (interpret where applicable) and ensure that results are delivered timeously ■Undertakes to troubleshoot where necessary ■Operates various analytical equipment for tests ■Perform data checks and analyses as per SOP ■Perform administrative and procurement duties to ensure the smooth functioning of the laboratory.

QMS

■Monitors, calibrates and maintains devices according to relevant standards ■Perform preventive equipment maintenance performed as per set schedule ■Adhere to quality assurance policies and procedures to ensure the accuracy of laboratory results ■Log non-conformances, identify corrective and preventive actions and determine root cause ■Trend analysis of non-conforming events with appropriate corrective and preventive measures ■Participate in EQA up to review and distribution of results.

Teaching, Training & Dev of Laboratory staff

■Training, coaching and provide technical support to Lab Technicians, Student Medical Technologists, Registrars, Pathologists and Laboratory Assistants.

Minimum Requirements and Key Competencies

■National Diploma in Medical Technology or Biomedical Technology ■ HPCSA Registration as a Medical Technologist in Virology essential ■Four (4) years of post-qualification experience (of which two years should be in serological testing) ■Preparation of samples for examination ■Knowledge for the use of specialised instrumentation ■Accurate interpretation of results ■Accuracy and organisational skills ■Attention to detail ■Ability to identify problems and troubleshoot ■Ability to work independently and collaboratively ■Communication Skills (Verbal, written & presentation) ■Computer Literacy essential (Word/Excel) ■Good understanding of statistical methods for method validation ■Time management and evaluation Skills.

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

