

VACANCY	
Job title:	Medical Scientist (12 months' contract)
Division:	Wits Mycology
Type:	Permanent ☐ Fixed Term ☒ Temporary ☐
Main purpose of the job:	To conduct research and to provide scientific support for research projects in order to fulfil the research mandate of Wits Mycology. Specific responsibilities will include performing laboratory testing to screen two-way and three-way combinations of antifungals in vitro against <i>Cryptococcus</i> as part of the BALANCE project.
Location:	1 Modderfontein Road, Sandringham, Johannesburg
Closing date:	24 November 2025
Submit detailed CV to:	vacancies32@witshealth.co.za
Advert reference number:	Medical Scientist_Mycology
In accordance with our Employment Equity goals and plan, preference will be given to suitable applicants from designated groups as defined in the Employment Equity Act 55 of 1998 and subsequent amendments thereto.	

The Mycology Division aims to improve the outcomes of people affected by serious, life- threatening fungal diseases in South Africa and the African region through public health-focused epidemiological, clinical and basic science research and innovation. Our work also stretches to other important infectious diseases.

Key performance areas

- To perform ethical and relevant research (basic and applied) that will provide new information on human diseases or disease-causing agents.
- To apply specialised knowledge and provide interpretation of results.
- To evaluate and implement appropriate tests relevant to the activities of the Mycology division including assay design, laboratory testing, data entry, data management, data cleaning, data analysis and report-writing/ publishing in scientific journals.
- To contribute to the teaching of students (from NHLS or academic institutes), health professionals and technical staff in research skills in order to develop research capacity.
- To write and submit research grant proposals to further the research capacity of the Mycology division.
- To write scientific reports and papers for submission to scientific, peer reviewed journals and congresses in order to disseminate new research findings.
- To liaise with research collaborators and research supervisors on project implementation, both nationally and internationally, in order to ensure that the research meets high standards.
- Complete QC as per study specific protocol/SOP with internal quality control in conjunction with relevant staff.
- Perform internal audits as required.
- Monitoring of equipment's and temperature charts daily; as required.
- Complete routine equipment maintenance, calibrate the laboratory equipment as required for the operation of that equipment.
- Run various quality control procedures. As defined by the assay protocol or SOP.
- Assist with stocktaking and ordering of consumables and reagents as required.
- Management and storage of bio-hazardous waste and toxic materials when required in the safety manual.
- Timeously report all non-conformances to management.

- Develop and review Standard Operating Procedures (SOPs) for the study, new experimental protocols and equipment.
- Manage logistical shipping process of Infectious and Biological substances from hospital to the laboratory.
- Order laboratory consumables and equipment.
- Monitor and control workflows and turnaround times.
- Perform relevant administration i.e. filing, copying, email etc.
- Report any quality assurance issues to laboratory management.
- Demonstrate cost consciousness and assist in meeting budgetary targets.
- Build and maintain authentic relationships with all stakeholders ensuring that all interactions are professional.
- Take ownership and accountability for tasks and demonstrate effective self-management.
- Follow through to ensure that quality and productivity standards of own work are consistently and accurately maintained.

Required minimum education and training

- BSc (Hons) in Microbiology or related field.

Required minimum work experience

- Minimum 2 years' experience in a medical microbiology laboratory.

Desirable additional education, work experience and personal abilities

- Knowledge of good laboratory practice (GCP) and basic health and safety.
- Knowledge of appropriate research methodology and method validation.
- Knowledge of writing research publications.
- Knowledge of grants applications processes.
- Knowledge of research ethics.
- Knowledge in the use of web-based databases.
- Knowledge of new research technologies.
- Basic Knowledge of relevant discipline.
- Teaching and assessment experience.
- Knowledge of Quality control in the laboratory.

Should you be interested in applying for this vacancy, please send an email to vacancies32@witshealth.co.za. The subject heading of the email must read **Medical Scientist_Mycology** and the job title of position applying for. Please include the following documentation:

- A cover letter (maximum one page) that clearly states which vacancy you are applying for
- A detailed CV
- HPCSA Registration