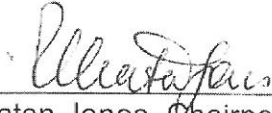




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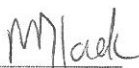
**HUMAN RESEARCH ETHICS COMMITTEE (MEDICAL)**  
**CLEARANCE CERTIFICATE NO. M170242**

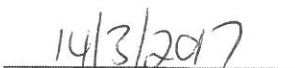
**NAME:** Dr Marianne Black  
**(Principal Investigator)**  
**DEPARTMENT:** School of Pathology  
Clinical Microbiology and Infectious Diseases (CMID)  
**PROJECT TITLE:** Identification of Rifampicin Resistance using Xpert  
MTB/RIF and MTBDRplus v2.0 for Greater Gauteng  
Province: Implications for Patient Care  
**DATE CONSIDERED:** 24/02/2017  
**DECISION:** Approved unconditionally  
**CONDITIONS:**  
**SUPERVISOR:** Dr P. da Silva and Prof L. Scott  
**APPROVED BY:**   
Professor P Cleaton-Jones, Chairperson, HREC (Medical)  
**DATE OF APPROVAL:** 13/03/2017

This clearance certificate is valid for 5 years from date of approval. Extension may be applied for.

**DECLARATION OF INVESTIGATORS**

To be completed in duplicate and **ONE COPY** returned to the Research Office Secretary in Room 301, Third Floor, Faculty of Health Sciences, Phillip Tobias Building, 29 Princess of Wales Terrace, Parktown, 2193, University of the Witwatersrand. I/we fully understand the conditions under which I am/we are authorized to carry out the above-mentioned research and I/we undertake to ensure compliance with these conditions. Should any departure be contemplated, from the research protocol as approved, I/we undertake to resubmit the application to the Committee. **I agree to submit a yearly progress report**. The date for annual re-certification will be one year after the date of convened meeting where the study was initially reviewed. In this case, the study was initially reviewed in February and will therefore be due in the month of February each year. Unreported changes to the application may invalidate the clearance given by the HREC (Medical).

  
Principal Investigator Signature

  
Date

**PLEASE QUOTE THE PROTOCOL NUMBER IN ALL ENQUIRIES**