

Advert for a position: a Postdoctoral research fellow

We are seeking a Postdoctoral Fellow in the TB Genomics Group in the Division of Molecular Biology and Human Genetics, Stellenbosch University. The successful candidate will have the opportunity to work with a dynamic, multidisciplinary group of researchers that are part of the SAMRC Centre for TB Research. This Postdoctoral Fellow Award is funded by the NRF research project entitled “Identification and Characterization of Non-tuberculosis Mycobacteria (NTM) in South Africa, and their Role in Modulating Macrophage Immune Response to other Lung Pathogens”. This study is under supervision of Dr Marisa Kloppe. The Postdoctoral fellow will work on the identification and genetically characterization of Non-Tuberculosis Mycobacterial (NTM) species and their role on immune response. This study will provide an epidemiologic analysis of NTM species present in South Africa. Moreover, it will lead to understanding the virulence mechanisms of clinically relevant local NTM species during coinfection, and the host immune response to coinfection by two distinct mycobacterial strains. The Postdoctoral Fellow will be responsible for developing SOPs, independently running various microbiological/immunological assays and will work closely with all team members and master students. The position is based at Stellenbosch University in Cape Town, South Africa, starting in January 2024.

Postdoctoral Position Requirements

- PhD in relevant field (molecular biology, microbiology, biochemistry, genetics) obtained in the past 5 years
- Experience in molecular biology techniques (Experience with DNA manipulation)
- Experience in tissue culture techniques.
- Demonstrated the ability to publish.
- Good communication skills, collaborative, and multidisciplinary interest.
- Team player
- Experience in various molecular biology techniques
- Excellent knowledge of English, both oral and written.

Advantageous requirements:

- Experience in the field of tuberculosis (working under BSL-3 conditions), or in working with *M. tuberculosis* and NTMs.
- Experience in next generation sequencing methods and subsequent bioinformatics analyses

Fellowship criteria:

The fellowship is available for a period of two years. The fellowship is tax-free.

How to apply:

Please send a covering letter with CV, indicating your research outputs and the names and up-to-date contact details of three referees to Dr Marisa Kloppe marisat@sun.ac.za by 15th December 2023.