



Postdoctoral Fellowship position in the TB Genomics Group in the Division of Molecular Biology and Human Genetics, Stellenbosch University

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 and the NRF Centre of Excellence for Biomedical TB Research. This Postdoctoral Fellow Award is funded by the NIH research project entitled “Investigating bacterial contributions to TB treatment response: a focus on in-host pathogen dynamics”. This is a collaborative study with Prof Maha Farhat (Harvard University) Prof Karen Jacobson (Boston Medical Centre) and Prof Bronwyn Myers (SAMRC). The post-doctoral fellow will work on in-host *Mycobacterium tuberculosis* genomic diversity to determine how this relates to treatment response. They will be in charge of development of laboratory protocols for *M. tuberculosis* cellular and DNA enrichment from direct patient samples and will have the opportunity to develop skills in microfluidics and bioinformatics analysis of whole genome sequences. The position is based at Stellenbosch University in Cape Town, South Africa with a goal start of April 2021, with a planned extended visit to Boston for training in 2022-2023.

Core Requirements:

- PhD degree in Microbiology or Biochemistry or Molecular Biology or Mycobacteriology or Bioinformatics obtained within the past 5 years.
- A track record in undertaking and initiating original research and in publishing in accredited journals.
- Strong written and oral communication skills.

Desired Attributes:

- Experience in the field of Tuberculosis.
- Experience in working under BSL-3 conditions.
- Basic coding skills or familiarity with coding.
- Prior experience with microfluidics.

Value of the fellowship:

The fellowship is available for a period of two years, with the possibility of renewal, dependent on satisfactory progress. 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: Prof RM Warren (rw1@sun.ac.za) Deadline: 28 February 2021.