



The  
ROCKEFELLER  
FOUNDATION



THE  
WORLD  
BANK



Stellenbosch  
UNIVERSITY

## Postdoctoral Research Fellowship in Epidemiology, Genomics & Phylogenetics

*“We invite applications from ambitious post doctoral scientists, to undertake research in a Flagship research programme on epidemics in South Africa”*

“The fellow will develop and apply molecular epidemiology, phylodynamics and phylogeography techniques to describe pathogens of epidemiological concern to Africa. These results will be integrated with various clinical, demographic and geographic data sources in order to produce timely descriptions of outbreak and epidemic transmission dynamics for rapid public health response. The Fellow will have access to some of the best clinical, genomic and spatial datasets produced in the world using next generation sequencing techniques and to a world class genomics and computational facility. The candidate's expertise should include advanced computer programming in R, Java, C++, Python or other computer languages. Previous experience with phylogenetic and phylodynamic analyses are also a plus. Successful applicants will have to demonstrate their potential to become successful scientists, through high quality publications, integrative data analysis portfolio and the development of innovative bioinformatics methods.”

Fellowship promoters will be appointed at the **Centre for Epidemic Response and Innovation (CERI) at Stellenbosch University** in South Africa. Postdoctoral Fellows will be awarded a well-paid tax-free fellowship in South African currency for up to 3 years. Once appointed, the successful candidates will be expected to apply for externally funded personal fellowships to be hosted by Stellenbosch University or one of CERI's main international partners in the USA (University of Washington), U.K. (University of Oxford and Lincoln University), Germany (Heidelberger Institut für Global Health) or Brazil (FioCruz Foundation). The positions are based at superb facilities in Durban at KRISP/UKZN, Cape Town and Stellenbosch, although flexibility exists for time in South Africa and abroad.

Interested candidates holding a PhD, and with clear evidence of internationally competitive research are invited to send their CV's and discuss their interest (which is not restricted to the abovementioned fellowship topic) informally with Prof. Tulio de Oliveira, Prof. Frank Tanser and Dr. Houriiyah Tegally in the first instance, prior to formal application. Please email Dr. Cheryl Baxter (CERI's head of scientific support) at email: [baxterc@sun.ac.za](mailto:baxterc@sun.ac.za) for further information

In total, we are advertising up to **Seven Post-Doctoral Fellowships**. Potential areas of study include population, biological and ecological aspects of pathogens in the context of the South African, African and Global epidemics. Start date is open to suit candidate needs, deadline for applications: 31 January 2023.