



The  
ROCKEFELLER  
FOUNDATION



THE  
WORLD  
BANK



Stellenbosch  
UNIVERSITY

## Postdoctoral Research Fellowship in Epidemiology, Ecology and Climate Studies

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

“The fellow will contribute to further developments in existing modelling techniques that estimate the reproductive potential of mosquito-species and the suitability transmission potential of arboviruses such as dengue and Zika. The estimations will be informed by climate data and empirical data on the relationship of meteorological variables and mosquito-viral traits. Estimations will include spatio-temporal, retrospective and projection analyses. There will be opportunities to study the ongoing and future effects of climate change on the epidemiology of arboviruses. Some planned outputs may translate into open-source software tools. The candidate's expertise should include advanced computer programming (preferable: with R, C/C++), and past experience with dynamic and host-pathogen systems is desirable. Successful applicants will have to demonstrate their potential to become successful scientists, through high quality publications and the production of innovative bioinformatics software application.”

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), Portugal (University of Lisbon) 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 and Dr José Lourenço 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.