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ROCKEFELLER  
FOUNDATION



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WORLD  
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UNIVERSITY

## Postdoctoral Research Fellowship in Spatial Epidemiology and Biostatistics

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

“The fellow will have access to some of the finest longitudinal datasets in Africa and will apply advanced geospatial and molecular epidemiological analytical techniques to identify spatiotemporal hotspots for emerging pathogens, understand the dynamics of transmission networks and directly inform prevention and treatment efforts in Africa. This project has three clear aims: i) To determine the epidemiologic and genetic characteristics of HIV, TB, malarias and arboviruses found within Africa ii) To identify strain-specific geographical clusters of disease and (iii) To characterize the ecological, societal, biological and geographic attributes of disease clusters. The fellow will interact with a team of leading trans-disciplinary researchers and will receive hands-on training in Epidemiological, Biostatistics and Geographical Information Systems techniques. He/she will also be mentored by leading scientists, who commonly publish in some of the top journals of the field (i.e. Science, Nature, NEJM and Lancet). We are looking for statisticians, epidemiologists, geographers, bioinformaticians, econometricians and/or social scientists with advanced statistical skills”.

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 Prof. Frank Tanser 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 multiple 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.