

Call for Applications: Postdoctoral Research Fellowship (3 positions)

The Centre for Epidemic Response and Innovation (**CERI**) at Stellenbosch University (SU) is inviting applications for three (3) postdoctoral fellowships **in pathogen phylodynamics, disease ecological modeling, or machine learning for infectious diseases**—or their intersection. Appointed fellows will join the Data Science Unit of CERI and be part of the **CLIMADE** consortium, working with large-scale genomic datasets from Africa and beyond to develop advanced analytical methods for infectious disease research.

About the Fellowship

Fellows will apply advanced analytical frameworks to integrate spatio-temporal data for infectious disease research. They will collaborate with a trans-disciplinary team of leading researchers, receive hands-on training in infectious disease genomic epidemiology, and be mentored by scientists who publish in top-tier journals (e.g., Science, Nature, Cell, Lancet).

- Location: CERI, Stellenbosch University, South Africa (with opportunities for fieldwork and international collaborations, e.g., University of Oxford).
- Duration: Up to 3 years
- Stipend: Competitive, tax-free fellowship

Eligibility & Requirements

Essential:

- PhD (or equivalent) in a relevant field, obtained within the last 5 years
- Expertise in at least one of the key areas (phylodynamics, disease ecology, machine learning)
- Proven experience in integrated infectious disease analysis and method development
- Proficiency in Python, R, and geospatial data analysis
- Strong publication record

Desirable:

- Research experience in climate change and infectious diseases
- Experience working in transdisciplinary teams and leading projects

Application Process

- Deadline: **28 February 2025**
- **Click here** to apply or use this link: <https://t.ly/A-JsU>
- Contact: Dr. Houriiyah Tegally, Head of Data Science Unit, CERI (houriiyah@sun.ac.za)
- Start date: Flexible based on candidate availability

Join us in advancing cutting-edge research at the intersection of genomics, epidemiology, and data science!