POST-DOCTORAL FELLOWSHIP ON DATA SCIENCE, MACHINE LEARNING AND AI ALGORITHMS TO ENHANCE PREVENTION AND PERSONALISED TREATMENT
SUB-SAHARAN AFRICAN CONSORTIUM FOR ADVANCED BIOSTATISTICS (SSACAB II) PROGRAMME
THE CALL WILL REMAIN OPEN UNTIL THE POSITION IS FILLED

DESCRIPTION:

The Wits School of Public Health (SPH) and University Medical Center Utrecht (UMCU) seek to recruit a post-doctoral fellow to manage the theme of how machine learning and artificial intelligence (AI) algorithms can be used to enhance population-based prevention of, and personalised treatment for, communicable and non-communicable diseases in Africa.

The fellow will be hosted and spend time at Wits SPH. This is a three-year full-time position. Responsibilities will include the co-development of the research focus, management of the theme, postgraduate co-supervision, and publishing of research. The fellow will have full guidance and mentorship by the theme leads within the SSACAB II programme.

Funding will come from SSACAB II, a consortium of six African and two northern partner institutions, and nine collaborating institutions with the University of the Witwatersrand, Johannesburg as the Lead Institution. SSACAB II received funding through the Developing Excellence in Leadership, Training, and Science in Africa () program. is an initiative of the Science for Africa Foundation (SFA) with funding support from Wellcome and the United Kingdom's Foreign, Commonwealth & Development Office (FCDO, UK). The funding aims to develop and improve biostatistical skills among researchers to create biostatistical research nodes of excellence and a network to nurture researchers with advanced skills and expertise.

ELIGIBILITY:

The post-doctoral fellowship is open to candidates with a strong background in Statistics, Mathematics, Demography, and other quantitative fields. Former SSACAB fellows who have recently been awarded or have completed a PhD in Biostatistics are also encouraged to apply. Applicants should be under 45 years of age.

The scholarship is open to nationals of low and middle-income countries in the Sub-Saharan African region as per the World Bank definition: http://data.worldbank.org/about/country-and-lending-groups#Sub_Saharan_Africa

THE POST-DOCTORAL FELLOWSHIP PACKAGE:

The scheme will provide a full scholarship from the 2024 academic year and carries an attractive financial package per annum. The fellow may apply for additional funding in agreement with the Supervisor, for research costs, and conference support, on a competitive basis. The Fellowship is exclusive to SSACAB II and cannot be held concurrently with another job or supplementary funding.

APPLICATION INSTRUCTIONS:

The post-doctoral fellowship application should provide:

- ❖ Letter of motivation explaining the desire to pursue a post-doctoral fellowship in the area.
- ❖ Proof of a PhD obtained within the last eight years.
- ❖ Comprehensive curriculum vitae, including relevant research and work experience.
- ❖ Certified copies of degree certificates
- ❖ A proposal outlining the plan for the fellowship not exceeding 5 pages and outlining the proposed area of research. The research proposal must have a description of the research area, highlight the research objectives, research questions, and research methodology, and a clear timeframe indicating research inputs and outputs.
- ❖ Proven ability to write and publish papers in accredited peer-reviewed journals.
- ❖ Names and contact details of two contactable referees.

Submit your application to Ms Promise Majozi: promise.majozi@wits.ac.za
If you applied to an earlier advert, please re-sent your application.

Please copy the following:

1. Prof Daniel Oberski: d.l.oberski@uu.nl
2. Prof Klipstein-Grobusch, K: K.Klipstein-Grobusch@umcutrecht.nl
3. Prof Eustasius Musenge: Eustasius.Musenge@wits.ac.za
4. Prof Tobias Chirwa: Tobias.Chirwa@wits.ac.za