Makerere University

Makerere University Lung Institute

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CALL FOR APPLICATIONS: DISEASE MODELLING FELLOWSHIP

Background

Makerere University Lung Institute (MLI) is a center of excellence for Lung Health in the College of Health Sciences, Makerere University. With funding from the EDCTP, Makerere University Lung Institute together with other partners is implementing a project titled, **"The African Training Network for Biostatistics, Epidemiology, and Infectious Diseases Modelling (AFRITRAC)"**. AFRITRAC aims at strengthening epidemiological expertise in sub-Saharan Africa, particularly the ability to apply mathematical modelling approaches to infectious diseases and to integrate key sociocultural factors affecting disease transmission.

Makerere University Lung Institute now seeks to recruit **one (1) modeling fellow** for a 6-month fellowship aimed at strengthening national capacity in disease modelling and the generation and use of model-based evidence for public health decision-making. This 6-month technical fellowship follows a hybrid model, starting with 2 months of immersive, face-to-face training followed by 4 months of virtual mentorship.

Position: Modelling Fellow
Duration: 6 Months
Station: Lung Institute; Kampala - Uganda

Expected Outcome

- Acquired knowledge and skills in modelling
- Able to design a modeling project
- A completed modeling project
- A draft manuscript for publication

Eligibility Criteria

- Hold a Master's degree in a quantitative discipline (Mathematics, Statistics, Biostatistics, Data Science, or Bioinformatics) or a health-related/epidemiological field (Public Health, Global Health, or Biomedical Sciences)
- Should be a Ugandan national
- Should be working in a health or research related public institution
- Should have access to a computer
- Should have time to undertake the course
- Experience in Infectious Disease research/work
- Willingness to undertake a mandatory 1-month French language course hosted outside Uganda as part of the fellowship

Expectations and Deliverables

- A completed modelling project addressing a specific priority pathogen
- A submitted manuscript by the end of the 6 months

Application Process

All suitably qualified and interested candidates should submit a **one**-page cover letter, CV (**maximum 3 pages**) with relevant certificates & two reference letters as a **single PDF file** using this link https://forms.gle/Hj69BR6AaHZzVdq38 by 18th November 2026, 5:00pm. Applications should be addressed to:

The Site Principal Investigator - AFRITRAC
Makerere University Lung Institute
P.O. Box 7749, Kampala (U)

Only shortlisted applicants will be contacted