

Post-Doctoral position in Mathematical Modelling of Infectious Diseases

With funding from the Bill and Melinda Gates foundation, we have established the African Consortium in Modelling for Effective Vector Control (ACoMVeC) comprising of a number of research institutions. With objective to support malaria mathematical modelling capacity-building efforts across sub-Saharan Africa with a specific focus on vector control to help maximise its impact and reduce malaria burden. We need an ambitious, dynamic and focus post-doctoral fellow who will significantly contribute to the success and implementation of our objectives.

Your duties will be to support this objective at the Centre for Research in Infectious Diseases (CRID) principally on Improving modellers' access to timely, high-quality data by doing the following:

- Supporting in following up a cohort of PhD -students Modellers across Africa;
- Help in putting in place the Modelling units within national malaria control program (NMCP) in some countries;
- Putting to evidence policy briefs from the Modelling studies;
- Publishing Peer-reviewed publications on key modelling topics;
- Strengthening of data repository online platforms in vector biology to support modelling;
- Strengthening of modelling Units in some African universities;
- Organising webinars, symposiums at conferences, student exchange programs and training visits.

Qualification requirements

- A candidate should at the start of the employment hold a PhD degree (or equivalent) in a mathematical/quantitative subject, with a substantial component in mathematical/stochastic/statistical modelling and/or data analysis, preferably within the area of infectious diseases.
- Research experience of working with dynamical models (ideally infectious disease models) and with statistical inference techniques
- Strong competences in and experience with data science, including automated data verification and analysis procedures as well as a proven ability to work with large datasets
- Fluency in a statistical programming language
- Experience in training and guiding development of young researchers (PhD and post-doc students)
- Teaching and supervision experience at university level
- An international scientific network and active collaborations in relevant fields
- Capability to manage multidisciplinary research projects and/or centres
- Excellent verbal and written communication skills. The working language is English
- Keen interest in biology, epidemiology, and public health

**Application documents**

Cover letter, CV, copy of your diploma and 2 letters of recommendation

Terms of employment

The position involves full-time employment for two years, with the possibility of extension. Starting date is as soon as possible

For question and application submission channel see: acomvec@crid-cam.net

Deadline for reception of application **5th September 2022 at 12:00pm**