

VACANCY ANNOUNCEMENT

Job Summary

Position: Research Officer (1 Post)
Reports To: Project Leader
Work Station: Dar es Salaam
Apply By: 30th June 2025

Institute Overview

Ifakara Health Institute (IHI) is a leading research organization in Africa with a strong track record in developing, testing and validating innovations for health. Driven by a core strategic mandate for research, training and services, the Institute's work now spans a wide spectrum, covering biomedical and ecological sciences, intervention studies, health-systems research, service delivery and policy translation.

Position Summary

Ifakara Health Institute is seeking for a committed **Research Officer** to join the MoDD Africa project at the Ifakara Health Institute (IHI) in Tanzania, the regional coordination hub. The successful candidate will provide essential support to the development and implementation of mathematical and geospatial models addressing malaria control challenges, working closely with the Tanzania National Malaria Control Program (NMCP), regional hubs, and global partners. This role offers an opportunity to contribute to impactful research and grow within the African modelling ecosystem.

The **Modelling for Decisions in a Dynamic Africa (MoDD Africa)** project is a collaborative, innovative initiative designed to bring together modelers, researchers, and decision-makers to support national decision-making for malaria control, with an initial focus on malaria in the **Democratic Republic of Congo (DRC), Nigeria, and Tanzania**. These countries account for half the world's malaria deaths and over 40% of cases, making them critical focal points for impactful intervention. The project aims to deliver robust, evidence-based tools, forecasting systems, and model-based advisory systems to support public health decision-making in the face of rapidly changing environmental and social dynamics across Africa. By integrating environmental, entomological, epidemiological, and health system data.

The position offers a dynamic and inclusive research environment at the Ifakara Health Institute in Tanzania. Opportunities for professional development through training, hackathons, and international collaborations. Access to high performance computing resources and datasets from MAP and Vector Atlas. A chance to contribute to malaria control in high burden countries and support for career growth through networking and mentorship

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Duties and Responsibilities

- Assist in the development and validation of mathematical, statistical, and geospatial models to evaluate environmental impacts on malaria vectors, transmission, and health system performance.
- Support data integration from diverse sources (e.g., vector, climate, health surveillance) to generate predictive maps, early warning systems, and intervention strategies.
- Conduct basic data analysis and assist with sensitivity and uncertainty assessments to ensure model accuracy.
- Participate in training sessions, hackathons, and inter-hub collaborations to build modelling skills and contribute to the African modelling network.
- Support knowledge-sharing activities, such as workshops and seminars, to promote project findings and methodologies.
- Assist in providing logistical and contribute to knowledge-sharing activities, such as workshops and seminars, to promote a robust modelling ecosystem within the Tanzania hub.
- Support collaboration with the Tanzania hub team and National Malaria Program (NMP) to ensure models align with local malaria control priorities.
- Assist in engaging with regional and global partners, including meteorological agencies and organizations like MAP and Vector Atlas, to facilitate data access and feedback.
- Help maintain communication channels with stakeholders to ensure model outputs are relevant and actionable.
- Support high-quality data management, including data collection, digitization, and organization, to facilitate modelling activities.
- Contribute to meeting project timelines and deliverables, ensuring efficient operation of the Tanzania hub.
- Adhere to ethical guidelines and data-sharing agreements in collaboration with NMPs and partner institutions.
- Ensure high-quality data management, including data collection, digitization, and integration, to support modelling activities.
- Adhere to project timelines and deliverables, contributing to the efficient operation of the Tanzania hub.
- Maintain compliance with ethical guidelines and data-sharing agreements in collaboration with NMPs and partner institutions.
- Take reasonable care for your own safety and health and avoid harming the safety and health of others through any act or omission at work.
- Identify and assess workplace hazards and apply hazard controls.
- Report every workplace injury, illness or near miss, no matter how insignificant they seem.
- Abide by institutional policies and procedures.

Ifakara Branch

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Bagamoyo Branch

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Qualification and Experience

- Bachelor's degree (or equivalent) in a relevant field (e.g., mathematics, statistics, epidemiology, data science, or related discipline).
- Basic experience in data analysis or modelling, preferably related to infectious diseases or public health.
- Experience with knowledge synthesis, such as conducting literature reviews and evidence synthesis, to support model assumptions and fill gaps in data and parameters.
- Experience with data management or basic statistical modelling.
- Experience in supporting research or training activities.

Skills and Competencies

- Familiarity with programming languages (e.g., R, Python) or geospatial tools (e.g., ArcGIS, QGIS).
- Ability to work collaboratively in a multidisciplinary, international team.
- Good communication skills for interacting with stakeholders, including NMCPs and research partners
- Familiarity with African public health systems or malaria control programs.
- Interest in climate or environmental data analysis.

Remuneration

An attractive and competitive remuneration package will be offered to successful candidates as per IHI salary scales.

Equal Opportunity

IHI is an equal opportunity employer. We prohibit intentional biases or discrimination and harassment of any kind at the work place and during recruitment. All employment decisions are based solely on job requirements and individual qualifications, and our recruitment process is governed by the labour laws of Tanzania.

Mode of Application

All candidates who meet the above job requirements should send their application letters together with their detailed curriculum vitae (CVs) showing contact addresses including email, telephone/cell phone numbers and copies of academic and professional certificates to the email address below.

The **deadline** for this application is **12:00 noon on Monday June 30 2025**. All e-mail application subject lines should include: **[Research officer – MoDD Africa]**. **Only shortlisted applicants will be contacted for an interview.**

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Senior Human Resources and Administration Manager

IFAKARA HEALTH INSTITUTE

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Dar es Salaam, Tanzania

Email: recruitment@ihi.or.tz



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