

VACANCY ANNOUNCEMENT

Job Summary

Position: Mathematical Modeler (1 post)
Reports to: Project Leader
Work station: Dar es Salaam
Apply by: April 18, 2019

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 and policy translation.

Position Summary

IHI is looking for a **Mathematical Modeler** to fill a vacant position in the COSMIC project. The Mathematical Modeler will be responsible for using available data to develop two health system mathematical models reflecting the effects of health financial reforms in Tanzania.

Duties and Responsibilities

- Review available data/transcripts/literature and plans for mathematical modeling.
- Evaluate health system responses to health care financing reforms.
- Develop two complementary health system models in Tanzania, a System Dynamic Model (SDM) and an agent-based model (ABM).
- Conduct validation and simulation of models.
- Participate in data analysis and report writing.
- Write descriptions of mathematical models.
- Perform any other tasks assigned by the PI.

Qualification and Experience

- Master's degree in Mathematical science.
- Knowledge and familiarity with model development and mathematical modeling methods.
- Experience in research and data analysis.
- Experience in health system reforms, particularly in the area of finance.

Skills and Competencies

- Cooperative attitude.
- Highest level of integrity.
- Excellent interpersonal skills.
- Fluent in both English and Kiswahili Languages.
- Team Player.
- Self-motivated.
- Result oriented.

Ifakara Branch

Off Mlabani Passage
 P.o. Box 53 Ifakara
 Phone: +255232931572

Dar es Salaam Office

Plot 463, Kiko Avenue, Mikocheni
 P.o. Box 78,373 Dar es Salaam
 Phone: +255222774756

Bagamoyo Branch

Inside District Hospital
 P.o. Box 74 Bagamoyo
 Phone: +255232440065

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Remuneration

An attractive and competitive remuneration package will be offered to a successful candidate 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 address below. The deadline for receiving applications is 1700hrs on April 18, 2019.

All application subject headlines, including emails, should read, MATHEMATICAL MODELER.

Please, note: Only shortlisted applicants will be contacted for interview.

**Human Resources Manager,
Ifakara Health Institute,
Kiko Avenue, Mikocheni,
P. o. Box 78373,
Dar es Salaam
Email: recruitment@ihi.or.tz**

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