Job Description

Part A: HR Information (internal only)

Position ID:	Position Grade: 9 (potentially 7-8)	Date Updated (yyyy-mm-dd): 2023-05-10

Part B: Job Description

Title: Research Assistant / Researcher / Associate research scientist	Organization (Team/Sub-department/Department, Unit): PER, EPIC
Direct Supervisor (Specify the position): Research scientist	No. of Direct Subordinates: 0
Indirect Supervisor (Specify the position): N/A	No. of Indirect Subordinates: 0

Job Purpose (A short statement of WHY the positions exists)

The Vaccine Impact Modeling for Typhoid and Cholera (VIM-TyChol) project, funded by the Bill and Melinda Gates Foundation, is seeking a talented and motivated individual to support our efforts to generate evidence for global policy-making. In this role, you will work closely with researchers at Imperial College London, Yale University, and Johns Hopkins University to develop and refine vaccine impact models for typhoid and cholera. Your work will involve conducting mathematical model simulations, analyzing data, and contributing to the development of reports, manuscripts, and presentations based on research findings. The ideal candidate will have a strong interest in modeling infectious disease transmission, proficiency in programming languages such as R, C++, or Python. If you are passionate about global health and looking for an opportunity to make a meaningful impact, we encourage you to apply for this exciting position.

Key Roles, and Accountabilities

1. **Support Vaccine Impact Modeling for Typhoid and Cholera project**
   - Assist with the execution of simulations to evaluate the impact of vaccines on infectious diseases
   - Help develop and refine vaccine impact models, including both static and dynamic models of disease transmission
   - Analyze and synthesize information from literature and simulation results to generate summary statistics
   - Extract relevant data and insights from scientific articles to support model development and analysis
   - Contribute to the development of reports, manuscripts, and presentations based on research findings
   - Attend and actively participate in conference calls and meetings, taking necessary follow-up actions as required.
2. **Support other related activities**
   - Assist with the development of grant proposals, including conducting literature reviews, compiling data, and contributing to the writing process
   - Provide support to other projects, such as modeling COVID-19 transmission in Korea, by conducting research, analyzing data, and contributing to project reports
   - Help to expand IVI's scientific collaboration network by identifying potential partners and facilitating communication and collaboration with internal and external stakeholders

Job Requirements and Qualifications	
Education Requirements (Specify field of studies preferred)	Master, Ph.D., or MD
Related Field Work Experience (Specify people management experience)	1+ years

Key Competency	• Demonstrated interest and experience in modeling infectious disease transmission and/or vaccine impact • Proficiency in programming languages such as R, C++ or Python • Strong knowledge of statistical methods • Familiarity with infectious disease epidemiology • Excellent written and verbal communication skills in English, with the ability to effectively communicate technical information to both technical and non-technical audiences • Strong organizational skills with the ability to manage multiple tasks and priorities simultaneously • Proven ability to work effectively as part of a team, collaborating with colleagues from diverse backgrounds and areas of expertise

Apply through E-mail

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