



**MU-JHU CARE LTD**  
**MU-JHU Research Collaboration**

Makerere University, Kampala  
The Johns Hopkins University, Baltimore  
P. O Box 23491, Kampala, Uganda  
Telephone: +256-414-541044 Facsimile: +256-414-543002



## **Employment Opportunity**

MUJHU RESEARCH COLLABORATION – MUJHU CARE LTD is a Kampala – based equal opportunities Research and Service Delivery Organisation with a focus on the health of women and children. MUJHU has more than 350 employees and is now seeking interested and committed professionals with the described qualifications to apply for the following positions in support of EDCTP funded PREPARE consortium activities lead by MUJHU and cross-cutting MUJHU activities.

### **1. PREPARE Program Manager/Research Medical Epidemiologist**

#### **Description and purpose:**

Under the direction of the study PI, this successful senior professional will plan, guide, coordinate and supervise all EDCTP funded PREPARE consortium activities lead by MUJHU including workstreams 2 (preparation) and 4 and 5 (two phase 2 vaccine trials). The 1<sup>st</sup> year will focus on the preparedness with collection of baseline data on key morbidity, mortality and EPI uptake to inform subsequent vaccine trials as well as prepare and demonstrate capacity for implementation of vaccine trials. Subsequent years will include implementation of two phase 2 vaccine trials at Kawempe National Referral Hospital. The project is a five-year European Union funded project implemented in Kampala, Uganda.

#### **Required qualifications and profile:**

The successful candidate will be an experienced clinical trial specialist, research manager and epidemiologist/ biostatistician with experience in project and team management; comfortable with multi-tasking, being able to prioritize and work successfully in a fast-paced work environment with excellent interpersonal and written communication skills. A degree in Medicine (MBChB) and a relevant master's degree is required; such as an MPH or MSC. A PhD degree in epidemiology or biostatistics would be a distinct advantage. At least 5 years clinical working experience is required together with at least 3 years working experience in medical research including clinical trial coordination and human/other resource management roles. Experience with perinatal studies and/or vaccine trials would also represent an advantage. Demonstrable knowledge of ICH guidelines, GCP and the clinical trial study process is required. A desirable profile would also include passion to improve women and children's health and commitment to contribute to knowledge through research and a drive to grow professionally and become an independent researcher.

**The holder of this position will work under the supervision of the MUJHU Study PI as part of a multidisciplinary team in close collaboration with co-investigators and management and will be responsible for the following directly or through delegation and supervision of team members:**

- Regulatory submissions – Ensure submissions and required reports to the regulatory bodies are complete and timely with support from the regulatory office and team members.
- Project preparation – Ensure a complete work plan, procurement plan, staffing plan and budget is developed, implemented and monitored with revisions as needed with input from key stakeholders. Contribute to SOPs, CRFs and data management planning, institutional agreements, staff planning, recruitment, training and other multifaceted study preparatory activities as needed.
- Project coordination – Ensure the activities and outputs achieved are in line with the protocol, project plan and budget. Ensure integrity of study data through QA/QC activities/ procedures and strong data management. Coordinate with the different internal and external stakeholders involved in the study including the Community Advisory Committee, multiple Ugandan institutions and EDCTP consortia members.
- Generate timely data quality checks using RedCap and institute corrective measures
- Clinical coordination – Liaise with clinical teams to ensure study procedures and documentation are in accordance with the protocol.
- Communication and reporting – Lead regular work package team meetings and calls as well as organise regular project meetings. Prepare and present study updates/progress reports to the Study PI. Ensure complete documentation of study meetings and activities including internal and external communications.
- Staff management – Supervise the multidisciplinary study team (MUJHU based) including Study/Activity Coordinators for each workstream and ensure that there is a well-defined and documented delegation of duties with ongoing performance management. Ensure adequate initial and ongoing training of all study staff with substantive contributions to training activities and materials.
- Budget and resource management – Work closely with operational and finance team to ensure strong budget and resource management in line with approved budget and sponsor and institutional requirements.
- Data analysis and dissemination – Manage communication to and from the DSMB and ensure timely implementation of recommendations. Additionally, he/she ensure compliance of the field team with DSMB guidelines. He/she will contribute to data analysis and publications and presentations and ensure dissemination of important results to key stakeholders.

## **2. PREPARE ICT/Database programmer**

### **Description of purpose:**

The successful candidate will work as part of a multidisciplinary team on a multi-year project with year one focus to strengthen implementation of Uganda EMR for comprehensive MCH services in a high-volume referral hospital and improve the current database including targeted customization, automating reporting and other routine data reports in a user-friendly format.

### **Required profile and qualifications:**

The successful candidate will be an experienced IT programmer who enjoys a challenging, fast-paced work environment with excellent team building and communication skills and pays attention to detail. A Bachelor's degree in; Software Engineering/Information/Technology/ Computer Science from a

recognized university, with significant programming knowledge and experience gained through course or work. At least three years relevant programming experience/training in C++ or JAVA with significant knowledge in PHP, HTML, MySQL, OpenMRS, CSS and JavaScript is required. The successful candidate will have sufficient knowledge of OpenMRS database design, data dictionary, HMIS reporting in order to troubleshoot and fix day to day problems. Should possess general knowledge in computer networking, server management, computer hardware trouble shooting/repairs and database management. A desirable profile would also include the ability to observe and practice MUJHU and public hospital core values as well as commitment to the role.

**The holder of this position will work under the supervision of the Senior Data Manager/Biostatistician and will be responsible for the following:**

1. Prepare requirements documents that outline needed changes/updates to the OpenMRS system at the hospital
2. Complete system customization/improvements in-line with;
  - a. HMIS reporting,
  - b. Specific program data requirements
  - c. Hospital data requirements
  - d. Extend OpenMRS to other departments as may be required from time to time
  - e. Other improvements as specified by system end users (continuous)
3. Liaise with SPH METS developers/programmers to improve OpenMRS database functionality and best practices

### **3. Data Manager**

#### **Description and purpose:**

The successful candidate will provide maintenance, trouble shooting, programming and ongoing updates to the mobile electronic data collection tools. S/he will also provide expert technical guidance in the development, support, and management of the study databases. S/he will also be required to consult with and provide expert technical and statistical support to informatics, epidemiologists, program managers, and other scientists in the development and use of databases related to the studies.

#### **Required qualifications and profile:**

Bachelor's degree in Computer Science, Information Technology, Mathematics, Biostatistics, Data Management, Statistics, is required. Open Source Certifications like Google Certified Associate Android Developer (AAD), OCP-MySQL are an added advantage. Work experience of five years' in data management or statistical data analysis and reporting in a clinical or public health setting is required.

The incumbent must have comprehensive knowledge of mobile data collection tools and experience using ODK; data management including manipulation of data for statistical analysis and reporting; quality assurance and analysis methods; and must have advanced computer programming skills, proficiency in the application of standard and advanced statistical methods of study design and data analyses using any of either REDCap, STATA, SAS, SPSS, or Epi Info; must demonstrate the ability to work effectively with partners; incumbent must be able to interpret data from study results and communicate findings, both verbally and in writing within and outside the MUJHU; thorough

working knowledge of computers and tablets (hardware, various software programs and LAN systems).

**The holder of this position will work under the supervision of the Senior Data manager as part of a multidisciplinary team in close collaboration with the MUJHU PI and co-investigators and will be responsible for the following duties;**

- Participate in the data management planning phase of the study
- Participate in developing the data management section of the study specific procedures manual (SSP), forms and SOPs
- Design and manage the participant study databases as required by the study
- Prepare reports as required.
- Provide expert technical and statistical support to the PI and study team in the use of the database.
- Train the study team on the appropriate use of the database for different functionalities.
- Participate in review of non-electronic data
- Participate in scientific writing and assist the PI, protocol team, and staff in interpreting research results to different stakeholders

Applications with complete C.Vs, including 3 referees and their full addresses or contact Tel No.'s, copies of academic certificates and testimonials, should be addressed to the Human Resource Manager, P. O. Box 23491, Kampala. Applications can also be delivered to: **MU-JHU Reception, Room 12, located in MUJHU 1 Building, Upper Mulago Hill Road, Mulago – not later than 2<sup>nd</sup> December 2019 by 5:30p.m. Only short listed applicants will be contacted.**