



OFFICE OF THE COORDINATOR

JOB ANNOUNCEMENT UNDER GLOBAL SURGERY HUB: ESTABLISHING A SUSTAINABLE NETWORK OF SURGICAL RESEARCH PROJECT.

1. INTRODUCTION

The University of Rwanda (UR) has partnered with the University of Birmingham to implement “*National Institute of Health Research (NIHR) Global Health Research Unit on Global Surgery: Establishing a Sustainable Network of Surgical Research*” project. This has resulted into the establishment of Global Surgery Research Hub under the college of Medicine and Health Sciences, School of Medicine and Pharmacy in the department of Surgery. The Hub’s role is to oversee surgical research, facilitate collaborative research, and provide research evidence. Since 2019, in collaboration with other hubs worldwide, the Global Surgery Research Hub in Rwanda has undertaken and published several surgical research including cohort and clinical trials. In addition to conducting various surgical research, UR’s Global surgical research Hub intends to improve surgical outcomes through education and capacity building with a focus on both individual as well as the institutional capacity. To successfully meet the project deliverables, the UR-single Project Implementation Unit (UR-SPIU) wishes to invite interested and motivated candidates to apply for the position of data center manager and strategist.

POSITION: DATA CENTER MANAGER AND STRATEGIST

2. ROLES AND RESPONSIBILITIES

a) Data center set-up and management

- Lead the design, setup, and maintenance of a robust data center infrastructure tailored to the unique needs of the Global Health Research Unit on Global Surgery Hub.
- Ensure the data center's security, reliability, and scalability to meet the demands of various health care studies, including clinical trials and cohort studies.

b) Electronic data collection tools deployment

- Implement electronic data collection tools such as Redcap, Kobo toolbox, etc.
- to streamline and facilitate the collection of health care data for ongoing and future research studies.
- Collaborate with research teams to customize data collection tools according to study requirements.
- Design and manage data storage solutions
- Integrate data from multiple sources to make it smoothly usable for analysis



- Monitor data pipelines and systems to detect and troubleshoot issues such as delays, data loss, or system failures.

c) Data bank dissemination and communication

- Act as the custodian of the data bank, ensuring the integrity, accessibility, and documentation of various health care datasets.
- Optimize databases for performance and scalability to ensure quick query processing.
- Continuously improve the speed and scalability of data systems to support growing data needs.
- Develop and implement data governance frameworks ensuring compliance with regulatory standards.
- Collaborate with researchers to curate and organize datasets, making them readily available for further studies and analysis.
- Oversee the communication and dissemination of the Hub's activities, including conferences, trainings, workshops, and research results.
- Collaborate with the research team to effectively share research findings and updates on the Hub's websites, social media handles and other platforms.
- Recommend and implement data infrastructure, enhancements for research efficiency.
- Execute miscellaneous job-related duties as assigned given by the Principal Investigator and delegated members of the project team.

3. REQUIRED SKILLS AND QUALIFICATIONS

- Bachelor's degree in data science, Computer Science, computer/software engineering, Information Technology or Information Systems with at least 5 years' experience in data engineering or Master's degree or PhD degree in the above field with at least 3 years experiences in data engineering: **(Compulsory)**.
- Proficiency in deploying and customizing electronic data collection tools (e.g., Redcap, Kobo toolbox, etc.): **(Compulsory)**.
- Experience with data warehousing technologies
- Experience with cloud services for data storage and processing.
- Proven experience in setting up and managing data centers, preferably in health research or healthcare environment.
- Conversant experience in data management and programming softwares such as STATA, R, Python and SQL, Scala/Jav.
- Strong knowledge of database systems, statistical methods, and machine learning and programming.
- Hands-on skills of infographics designs, software, website design and presentation is an added value.



- Excellent communication, problem-solving, and project management skills.
- Strong organizational and leadership skills.
- Excellent communication, coaching, and interpersonal abilities.

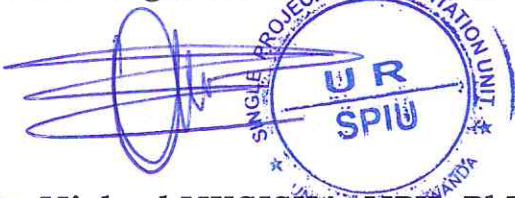
4. APPLICATION PROCEDURE

Interested and qualified candidates should submit their applications online to the following link: <https://forms.gle/NtbAsL2dRiMCLNSv8> . The applicant must submit the following documents all in **one PDF** document:

1. An application letter addressed to UR/SPIU Coordinator.
2. A detailed Curriculum Vitae
3. Copy of academic degree(s), and Certificates of any relevant professional training
4. Proof of previous working experience in data related work
5. Copy of National Identity and/or passport or equivalent identity card
6. Copy of proof of relevant experience.

NB: Failure to submit any of the above document will lead to not being shortlisted. The deadline for submission of the application is set on **22/11/ 2024**. Only shortlisted candidates will be invited to sit for the written test.

Done at Kigali on on 13th November 2024.



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