



UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant**, for a task-based assignment to work on the NIH funded research project entitled “**African Genomics Data Hub (AfriGen-D previously AGDH)**”

Qualifications Required:

- A degree in Computing or any other equivalent qualification.

Profile

Candidates must have:

- Research and Communication Skills;
- Excellent programming skills (Python programming and shell scripting);
- Excellent database development skills (both relational and non-relational);
- Have proven experience in the design, development, testing and maintenance of Web-based applications (preference: using Django);
- Excellent analytical skills and adequate knowledge in the relevant field of Research;
- Keen interest in Human Genomics research;
- Excellent interpersonal and teamwork skills;
- Be able to attend regular face-to-face/online meetings. Online meetings with our collaborators in Africa might be beyond the normal office hours due to different time zones;
- Experience working on international research projects would be desirable.

Responsibilities & Duties

- Write code to process large datasets for ingestion by databases namely (1) African Genome Variation Database (AGVD); (2) the Genotype-Phenotype Association Database (Gen2Phen); and (3) the African Genomics Medicine Portal (AGMP);
- Design, implement, and optimize search functionalities for web applications;
- Apply large language models (LLMs) to support biocuration;
- Build ML models to derive genotype-phenotype associations in African datasets;
- Maintain accurate documentation (SOPs);

- Attend meetings & training;
- Prepare progress reports;
- Any other tasks related to the project.

Remuneration

An all-inclusive allowance of Rs 50,000 - **upon satisfactory completion** of the above-mentioned tasks.

Duration of Contract

The appointment will be offered for a contractual period of 1 month. The tentative starting date will be 30 April 2026.

Mode of Application

Letter of application together with a detailed *Curriculum Vitae* and photocopies of qualifications, birth certificate, testimonials and equivalence of qualifications (where applicable) should be emailed to **Associate Professor A W Ghoorah** (a.ghoorah@uom.ac.mu) and copied to the **Dean of Faculty of Information, Communication and Digital Technologies** (deanfoicdt@uom.ac.mu) by **24 April 2026 noon, at latest**.

The email subject should read “**Research Assistant for African Genomics Data Hub**”.

Applications received after the closing date will not be considered.

The University reserves the right:

- to call for an interview only the most appropriately and best qualified applicants.
- not to make any appointment as a result of this advertisement.
- to conduct a written/aptitude test as and when required.

16 April 2026

Dean, Faculty of Information, Communication and Digital Technologies