

Research Associate (Molecular Biology and Genomics)

Employment Type

Full-time

Date posted

September 26, 2024

Valid through

09.10.2024

The African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), based at Redeemer's University, Nigeria, is focused on driving innovation in viral genomics research, outbreak response, diagnostic development, and capacity building. Established in 2013 and supported by the World Bank and the National Institutes of Health's (NIH), H3Africa consortium, among other funders, the ACEGID platform is building genomics pipelines, advancing our understanding of microbial threats, and training the next generation of African scientists how to identify, manage and control these threats. ACEGID is built upon strong collaborations forged across West Africa (Nigeria, Senegal, and Sierra Leone) and beyond (United States, United Kingdom) allowing for increased reach and scalability of its innovations.

Description

We seek highly motivated individuals to work closely with researchers across the ACEGID/Sentinel network of labs across Nigeria.

These project sites include:

- African Centre of Excellence for Genomics of Infectious Diseases, Redeemer's University, Ede, Osun State
- Alex Ekwueme Federal University Teaching Hospital Abakaliki (AEFUTHA), Abakaliki, Ebonyi State
- Federal Medical Centre, Owo, Ondo State
- General Hospital Ikorodu, Ikorodu, Lagos State
- Irrua Specialist Teaching Hospital, Irrua, Edo State

The ability to communicate effectively, work well in a team setting, and a strong desire to learn new methods are required. The applicant will interact with members of the group assisting with research projects focused on creating and refining tools for infectious disease surveillance for a variety of circulating pathogens, such as Lassa virus, SARS-CoV-2, Yellow Fever virus, Plasmodium falciparum and others. The position offers an excellent opportunity to participate in a dynamic research environment in an exciting fast-paced field of research.

Your work will be central to several major research projects, including collaborations with labs across Nigeria, West Africa, the United States, and the United Kingdom. This position will allow for professional advancement, skill development, and co-authorship on high-impact publications. We are seeking motivated persons with outstanding laboratory experience, and a passion for global health to facilitate and advance a teaching and applied research program studying pathogens that cause febrile illness.

Key Responsibilities

- Perform molecular biology and genomics techniques such as sample inactivation and processing, DNA/RNA extraction, qPCR, ELISA, CRISPR-based diagnostic assays, and genome sequencing.
- Interpret and implement experimental protocols, analyze results and design follow-up experiments
- Manage LIMS system, including sample, reagent and inventory supply
- Exhibit competency with biohazard and biosafety protocols, including

infection protection and control

- Consult with Lab Manager, postdocs, laboratory scientists, and other project staff on priorities, methods, and timelines
- Maintain a detailed organizational plan and record to ensure successful and timely completion of tasks

Requirements

- Bachelors in Microbiology, Biochemistry, Bioengineering, or related field (Master's degree is an added advantage)
- 2+ years of experience in a research laboratory
- Ability to think creatively to solve problems
- Proficient with molecular biology techniques
- Proficient with use of software programs such as Excel to organize and analyze laboratory results
- High level of initiative and motivation; ability to work independently and with a team
- Excellent communication, organization, and time management skills
- Experience in global health or genomics preferred, but not required

Working Relationships

You will be part of the laboratory team which includes the laboratory manager, postdoctoral fellows, graduate students, laboratory scientists and research associates. This is an extremely collaborative group which regularly works together to achieve personal and laboratory-wide research goals. You will report directly to the Laboratory Manager on site.

To apply

Qualified applicants should send a resume and cover letter to hr*****@ru*.ng not later than October 8, 2024.