

# WACCBIP-DELTAS POSTDOCTORAL FELLOWSHIP



UNIVERSITY OF GHANA



## WEST AFRICAN CENTRE FOR CELL BIOLOGY OF INFECTIOUS PATHOGENS

### COLLEGE OF BASIC AND APPLIED SCIENCES, UNIVERSITY OF GHANA

### DELTAS POSTDOCTORAL FELLOWSHIPS

The WACCBIP-Wellcome Trust DELTAS programme is seeking young African scientists to work as postdoctoral fellows in an environment that promotes the development of leadership skills and networking with other scientists in Africa. As a new centre of excellence for biomedical research, WACCBIP will generate tremendous research activities through the various graduate training programmes. The centre and its partners will therefore, provide a well-resourced research environment to promote the research careers of newly graduated PhDs. WACCBIP is co-hosted by the Department of Biochemistry, Cell and Molecular Biology (BCMB) and the Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, and has several regional and international partner institutions.

#### Eligibility

To apply for this fellowship, you must:

1. Be an African who received his/her PhD degree within the last three years and interested in developing a research career in the biosciences in Africa.
2. Develop a comprehensive postdoctoral research proposal that can be completed within 2-3 years.
3. Be highly motivated individual interested in developing novel research directions.
4. Work with minimal supervision and have a high standard for research ethics.
5. Be interested in work on one of the following priority disease areas and research themes:

#### Priority Diseases

- Non-communicable diseases
  - Sickle Cell Anemia
  - Diabetes
  - Cancers
  - Stroke
  - Chronic Kidney disease
  - Chronic Obstructive Lung Disease
- Infectious diseases
  - Protozoan pathogens – Malaria & Trypanosomiasis
  - Fungal pathogens – Cryptococcosis, Candidiasis
  - Helminths – Schistosomiasis, Dracunculiasis
  - Mycobacteria – Tuberculosis & Buruli ulcer
  - Other Bacterial Pathogens – Gastro-intestinal and blood infections
  - Viruses – HIV/AIDS, Ebola (EBVD), rotaviral infections, Influenza, Dengue fever

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## Research themes

- Human genetics
- Disease pathogenesis and immunity
- Pathogen genomics/Bioinformatics
- Host-pathogen interactions
- Diagnostics
- Molecular epidemiology
- Target discovery for drug and vaccine development

The candidate will have the options of working at the following institutions across Africa

Institutions	Country
West African Centre for Cell Biology of Infectious Pathogens (WACCBIP) BCMB-UG NMIMR-UG	Ghana
Malaria Research and Training Center at the University of Science, Techniques, and Technology, Bamako	Mali
Medical Research Unit, Fajara	The Gambia
Kenya Medical Research Institute, Killifi Kenya Medical Research Institute, Kisumu	Kenya

The successful postdoctoral fellow will be expected to perform the following responsibilities:

- Conduct high quality research leading to the publication of at least 2 papers
- Contribute to the training of graduate students
- Compete for external funding to pursue new research projects
- Contribute to research capacity building at their host research laboratories

The successful postdoctoral fellow will be supported with up to \$150,000 to cover:

- A monthly salary
- Research supplies and reagents
- Conference grant
- Other related costs

Please download application forms at <http://waccbip.ug.edu.gh/>

**Closing Date: 30<sup>th</sup> November 2015**