

WACCBIP-DELTAS PhD Programme



UNIVERSITY OF GHANA



WEST AFRICAN CENTRE FOR CELL BIOLOGY OF INFECTIOUS PATHOGENS

COLLEGE OF BASIC AND APPLIED SCIENCES

P.O. Box LG 54, LEGON- ACCRA

DELTAS PhD Fellowships

The **West African Centre for Cell Biology of Infectious Pathogens** (WACCBIP-DELTAS) programme, sponsored by the Wellcome Trust, is offering PhD fellowships for aspiring African scientists to work in an environment that supports high caliber research, promotes the development of scientific leadership and enables networking with other scientists throughout Africa. As a new centre of excellence for biomedical research, WACCBIP supports a wide range of research activities, and in conjunction with its international partners, provides a rigorous PhD training programme.

Eligibility

To apply for this fellowship, you must:

1. Be an African national who holds a relevant Masters degree
2. Be a highly motivated individual interested in human genetics or host-pathogen genomics
3. Be interested in working on one of the following priority disease areas and research themes:

Priority Diseases

- Non-communicable diseases including:
 - Sickle Cell Disease
 - Diabetes
 - Cancers
 - Stroke/Hypertension
 - Kidney Disease
- Infectious diseases including:
 - Protozoan pathogens – Malaria & Trypanosomiasis
 - Fungal pathogens – Cryptococcosis, Candidiasis
 - Helminths – Schistosomiasis, Filariasis
 - Mycobacteria – Tuberculosis & Buruli ulcer
 - Other Bacterial Pathogens – Gastro-intestinal and blood infections
 - Viruses – HIV/AIDS, EBVD, Rotaviral Infections, Influenza, Dengue fever

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Research themes:

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

The candidate will conduct their PhD research at one of the following institutions across Africa:

Institutions	Country
West African Centre for Cell Biology of Infectious Pathogens (WACCBIP) Department of Biochemistry, Cell and Molecular Biology – University of Ghana (BCMB-UG) Noguchi Memorial Institute for Medical Research – University of Ghana (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
Division of Human Genetics, Faculty of Health Sciences, University of Cape Town	South Africa

The PhD training includes a six-month research visit to one of the following institutions:

University of Cambridge

University of Oxford

London School of Hygiene and Tropical Medicine

University of Pittsburgh

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The successful PhD fellow will be expected to:

- Conduct high quality research leading to the publication of at least 2 papers in peer reviewed journals
- Contribute to the training of undergraduate students
- Graduate with a University of Ghana PhD degree in Biochemistry or Molecular Cell Biology of Infectious Diseases, depending on the research theme.

The successful PhD fellow will be supported with up to \$ 130,000 to cover:

- Tuition at the University of Ghana
- A monthly stipend
- Research supplies and reagents
- Six-month research visit abroad
- Other related costs (such as international conference, Courses and Workshops)

Please download full fellowship application forms [here](#).

Interested applicants may send their complete application documents to:
waccbpleader@ug.edu.gh and waccbip@gmail.com.

Deadline for applications is 31st January, 2016.