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This email service provides news and information on infectious diseases of poverty.

CALL FOR APPLICATIONS



Postdoctoral Training Program at the Noguchi Memorial Institute for Medical Research, University of Ghana, Legon

The Program

The Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, Legon, Ghana with funding support from the Bill and Melinda Gates Foundation has instituted a Postdoctoral Fellowship Program, to train future research leaders who will contribute to infectious diseases control efforts. The program seeks to train young African scientists toward building a critical mass for control of poverty-related diseases, equip them to compete effectively for international funding for research work in Africa, offer them international exposure, and facilitate their networking and collaboration with other institutions. Successful applicants will conduct research for a two-year period (renewable up to three years based on satisfactory performance) in a strong interdisciplinary environment at the NMIMR. Applicants are invited to submit proposals to carry out studies in any of the following thematic areas:

Malaria

Malaria Transmission & Diagnosis

- Studies for the development of novel and highly sensitive methods required for monitoring transmission in changing epidemiological situations.

Host-Parasite Interactions

- Studies that will bring a deeper understanding of host responses to infection. Such studies should improve our ability to evaluate current interventions and also lead to the development of new interventions.
- Studies leading to a deeper understanding of the epidemiology of disease and host-parasite-vector interactions in the face of intensified application of control strategies.

Mycobacterial Infections

- Develop and validate a point-of-care diagnostic test for BU. The ideal test format would involve taking either a small amount of body fluids (blood, saliva, urine) or material from the site of the infection for a simple and rapid dipstick or line-test assay
- Screen local herbal preparations for activity against *Mycobacteria* and also to identify the active compounds.

HIV/AIDS

- Cellular and viral mechanisms underlying HIV maintenance and persistence
- Persistence of HIV in patients on long term ART treatment
- Host immune mechanisms in the control of infection and viral persistence
- Host immune activation and inflammation in patients on ART treatment

Eligibility

Young African scientists planning academic or research career paths in African institutions. Applicant should have a Ph.D., MD/Ph.D. or equivalent degree in relevant biomedical sciences (biochemistry, biological sciences, molecular biology etc.) obtained within the past 5 years. Individuals who have submitted their Ph.D dissertations are also eligible to apply. Applicants must be highly motivated, have strong research and conceptual skills and be interested in developing novel research directions.

Applicants must have strong written and oral communication skills in English. This application is open to all African nationals. Working knowledge of English would be an advantage.

How to Apply:

Prospective candidates should contact postdoc@noguchi.mimcom.org or visit www.noguchimedres.org for further details on the **thematic areas** and mode of application.

Deadline of Application Submission:

Applicants should send both electronic and hardcopies of their applications to **The Coordinator, of the Post-Doctoral Office by December 31, 2012 (18.00hr GMT)**

Electronic copies should be sent to postdoc@noguchi.mimcom.org

Mail hard copies to:

The Coordinator
Post-Doctoral Office
Noguchi Memorial Institute for Medical Research
University of Ghana
P.O. Box LG 581
Legon, Accra
GHANA

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ABOUT TDR

TDR, the Special Programme for Research and Training in Tropical Diseases, is a global programme of scientific collaboration that helps coordinate, support and influence global efforts to combat a portfolio of major diseases of the poor and disadvantaged. Established in 1975, TDR is sponsored by the United Nations Children's Fund (UNICEF), the United Nations Development Programme (UNDP), the World Bank and the World Health Organization (WHO), and is executed by WHO. For more information, visit: www.who.int/tdr