

TRANSLATIONAL RESEARCH IN MALARIA TRANSMISSION AND IMMUNITY

Postdoctoral and PhD Fellowships for African Scientists—Epidemiology and Biostatistics

As part of our ongoing research program examining malaria transmission and immunity in highland Kenya, the University of Minnesota, USA (UMN), in collaboration with the Kenya Medical Research Institute (KEMRI), Maseno University, Kenya, and Moi University, Kenya, and through a grant from the Fogarty International Center of US National Institutes of Health, is pleased to announce training opportunities for one **Postdoctoral Fellow (Epidemiology)** and two **PhD Students (one each Epidemiology and Biostatistics)**.

The Fellow and Students will assist in the following research areas, which are supported by a vast collection of geo-spatial, climactic, and entomologic data:

- 1) Determine the effect of *P. falciparum* transmission on antigen-specific immunity and associated protection from infection.
- 2) Identify antigen-specific immune responses protective against *P. falciparum* disease.
- 3) Elucidate the relationship of parasite genotypes to *P. falciparum* disease.

These opportunities are specifically designed to include multi-disciplinary training in epidemiology, biostatistics, immunology/molecular biology, entomology, and clinical research. Appointments will be for 3 years for Postdoctoral Fellow and 5 years for PhD Students. Positions will be based primarily at the campuses of UMN-KEMRI, Maseno University and Moi University in western Kenya (Kisumu), however opportunities for training at UMN in the USA will also be available.

Qualifications (Note: Candidates must be nationals of an African country):

1. *Postdoctoral Fellowship (Epidemiology)*: PhD degree in epidemiology, biostatistics, or related discipline. Must possess a good publication record. Experience in clinical trials or field epidemiology studies required. Experience in malaria research preferred but not required.
2. *PhD Student (Epidemiology)*: BSc degree with a minimum award of an upper second class and MSc degree in epidemiology, biostatistics, mathematics, or related discipline.
3. *PhD Student (Biostatistics)*: BSc degree with a minimum award of an upper second class and MSc degree in biostatistics, mathematics, epidemiology or related discipline. Coursework in mathematics must include multivariable calculus, linear algebra, applied statistics, and computer programming. GRE scores of 550 (verbal), 650 (quantitative) required.

Application Procedures:

Interested applicants should email a letter of interest stating the position to which you are applying, along with a CV, copies of degree certificates, and three letters of recommendation from academic referees to:

Dr. Gregory S. Nolan (Project Manager) nolan103@umn.edu.

Application deadline: April 30th 2009.