LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE  
(University of London)  
FACULTY OF INFECTIOUS AND TROPICAL DISEASES  
DEPARTMENT OF DISEASE CONTROL  
FURTHER PARTICULARS  
Research Fellow (2 posts)  
GENERAL INFORMATION  
The London School of Hygiene & Tropical Medicine  
The London School of Hygiene & Tropical Medicine is a world-leading centre for research and postgraduate education in public and global health. Our mission is to improve health and health equity in the UK and worldwide; working in partnership to achieve excellence in public and global health research, education and translation of knowledge into policy and practice.  
Founded in 1899 by Sir Patrick Manson, the School has expanded in recent years at its two main sites on Keppel Street and Tavistock Place. The School’s multidisciplinary expertise includes clinicians, epidemiologists, statisticians, social scientists, molecular biologists and immunologists, and we work with partners worldwide to support the development of teaching and research capacity.  
Research income has grown to over £85 million per year from national and international funding sources including the UK government, the European Commission, the Wellcome Trust and philanthropic sources.  
Education programmes have grown to more than 1,000 London-based Master’s and Research students, 2,900 studying Master’s by distance learning and 1,000 on short courses and continuous professional development. We have also launched a series of free online courses, and more than 15,000 people registered on the first of these, Ebola in context. Our staff, students and alumni work in more than 150 countries in government, academia, international agencies and health services.  
The School is highly ranked in various university league tables. It was named the world’s leading research-focused graduate school in the Times Higher Education World Rankings in 2013. In 2014, it was ranked in the top 10 universities in the world for citation rate by the new EU-supported U-Multirank database, fourth in the world for impact in medical sciences by the Leiden Ranking and third in the world for social science and public health in the US News Best Global Universities Ranking. According to the results of the UK government’s Research Excellence Framework, published in December 2014, the School was ranked second overall (after the Institute for Cancer Research) on the key measure of impact.  
Faculty of Infectious and Tropical Diseases  
The Faculty of Infectious and Tropical Diseases encompasses all of the laboratory-based research in the School as well as that on the clinical and epidemiological aspects of infectious and tropical diseases. It is headed by Brendan Wren, who is Professor of Microbial Pathogenesis. The range of disciplines represented in the faculty is very broad and inter-disciplinary research is a feature of much of our activity. The spectrum of diseases
studied is wide and there are major research groups with a focus on malaria, tuberculosis, HIV/AIDS and other sexually transmitted diseases, vaccine development and evaluation, and vector biology and disease control. The Faculty is organised into four large research departments comprising: Pathogen Molecular Biology, Immunology and Infection, Disease Control, and Clinical Research. There is close interaction between scientists in different research teams. The Faculty has strong overseas links, which provide a basis for field studies and international collaborations in developed and developing countries. The teaching programme includes MSc courses, taught in-house and by distance learning, which are modular in structure, a variety of short-courses and an active doctoral programme (PhD and DrPH). For further information on the Faculty see: http://www.lshtm.ac.uk/itd/index.html.

**Department of Disease Control (Head: Professor Joanna Schellenberg)**

This multidisciplinary Department includes epidemiologists, entomologists, anthropologists and social scientists, clinical scientists, public health engineers and geographers. This range of expertise provides us with a battery of tools for focusing on the control of diseases that are insect-borne, water-borne or associated with poor hygiene – mostly in developing countries. Much of the research can be categorised as: evaluating disease control interventions; investigating implementation strategies - including working with the private sector; understanding the factors underlying household behaviour in relation to family health; or determining how control resources can be targeted most efficiently. Particular attention is paid to research directed at current health policy issues, including the gap between policy and practice.

The Department's Environmental Health Group plays a leadership role in research and operational support for hygiene behaviour change, household water supply and sanitation. Three key programmes which contribute to the work of the Group are the DFID funded consortium Sanitation and Hygiene Applied Research for Equity (SHARE), the Hygiene Centre (Unilever) and the improved sanitation randomised, controlled field trial jointly funded by the Bill & Melinda Gates Foundation and International Initiative for Impact Evaluation (3ie).

The Department houses the largest research group in LSHTM working on malaria control. Ongoing projects include: research capacity strengthening in Africa through the work of the Malaria Capacity Development Consortium (MCDC); novel approaches to combating malaria in pregnancy (MIP) in both Africa and India; a number of projects which develop and evaluate delivery mechanisms to improve ACT access, targeting, safety and quality, all funded by the ACT Consortium. In addition, staff are involved in studies of Seasonal Malaria Chemoprevention (SMC) in West Africa and are supporting work on the large Phase 3 clinical trial study of the RTS,S malaria vaccine in children.

The Department is world-leading in applied entomology and insect borne diseases, and has provided a testing service for control products for over 20 years. The Arthropod Control Product Test Centre Arctec provides access to the Department’s valuable mosquito colonies and in-house facilities for testing of repellents, insecticides and after-bite treatments. Its entomological field sites in Tanzania, Benin, The Gambia and Kenya are involved in a variety of vector borne disease control trials. The PAMVERC alliance between LSHTM and African partners work in partnership with WHO and the manufacturing industry on product development and evaluation under laboratory and semi-field conditions and in community trials.

Staff from the Department lead on studies investigating how meningococcal meningitis is spread in Africa and the impact of a new serogroup meningococcal A vaccine on reducing transmission (MenAfriCar Consortium). Staff are also assisting in the evaluation of the impact of introduction of a pneumococcal conjugate vaccine into the routine EPI programme
of The Gambia and in the initial testing of a new pneumococcal protein vaccine in the same area.

Also based with the Department is the IDEAS (Informed Decisions for Actions) project, which aims to improve the health and survival of mothers and babies through generating evidence to inform policy and practice. The Department also includes a major grouping of researchers using spatial analysis in public health.

**Teaching**

The School offers 19 one year full-time taught courses leading to the Master of Science (MSc) degree of the University of London and the Diploma of the London School of Hygiene and Tropical Medicine (DLSHTM). The Faculty of Infectious and Tropical Diseases runs or contributes substantially to ten of these courses and the “Immunology of Infectious Diseases” course is run from within the Department of Immunology and Infection. In addition, the Faculty is responsible for the three-month Diploma in Tropical Medicine and Hygiene (DTM&H), the Diploma in Tropical Nursing and offers a range of specialist short courses lasting usually one or two weeks. Five MSc courses are also offered by Distance-based Learning, including one on Infectious Diseases.

**Teaching requirements**

*For Research Assistants and Research Fellows:*

To contribute to the Faculty teaching programme, up to 10% of your time per annum, subject to the policy of any funding agency (by agreement, some staff may make a greater contribution than this).

**Research Training**

The School offers two doctoral training programmes. The MPhil/PhD degrees are designed for those who wish to go on to a full time research career. The DrPH is directed towards those who expect their careers to be more in the practice of public health.

**Project information**

The TUMIKIA Project aims to determine whether combining school- and community-based deworming is more effective at controlling and eliminating soil-transmitted helminths (STH or intestinal worms) in Kenya than school-based deworming alone. The trial will strengthen the evidence base surrounding STH control and elimination. The two-year trial will provide the drug albendazole to all residents from 150 communities in two areas: Kwale County on the coast and Busia and Siaya counties in western Kenya. TUMIKIA stands for 'Tuagamize Minyoo Kenya Imarisha Afya,' which means “eradicate worms in Kenya to improve health,” in Swahili.

For more information, visit http://www.thiswormyworld.org/tumikia-project
JOB DESCRIPTION

Post: Full Time Research Fellow
Grade: Research Fellow, grade 6
Responsible to: Dr Rachel Pullan and Prof. Simon Brooker
Department: Department of Disease Control

Main duties and responsibilities:

The main duties of the Research Fellow will include:

- Plan, oversee and day-to-day management of field activities in Kenya
- Prepare study material, data collection tools and strategies for data management and analysis, including development of standard operating procedures
- Recruit or oversee recruitment of field staff and develop training materials
- Prepare budgets and associated justifications. Confirm accuracy and completeness of budgeted costs.
- Analyse data arising from the trial, and lead and/or contribute to the writing of resulting manuscripts
- Liaise with researchers and partners in Kenya and internationally in the dissemination of findings
- Work in close collaboration with all members of the project team and the wider research group on other aspects of the research programme as required
- Contribute to the Faculty teaching programme, up to 10% of your time per annum, subject to the policy of any funding agency (by agreement, some staff may make a greater contribution than this).
- Contribute to the academic life of the School.

PERSON SPECIFICATION

Essential characteristics:
Ideal candidates will have the following attributes and experience:

- PhD qualification in epidemiology, public health or relevant quantitative subject
- Substantial field-work experience, including day-to-day management of large field teams
- Experience and demonstrated expertise in the analysis of large epidemiological datasets, including data management and advanced epidemiological analysis methods, and proven strong ability to use statistical packages such as Stata or R for these purposes
- Excellent interpersonal and communication skills, including track record in academic publications
- Ability to work independently and as a member of a multi-disciplinary scientific team
- Proven ability to organise work effectively to deadlines and exercise initiative and sound judgment in carrying out and managing research tasks.
• Good organisational skills including the ability to identify and deal with problems which may affect the achievement of research objectives

• Willingness to travel and spend extended periods overseas.

Desirable characteristics:

• Previous research experience in parasitic diseases, especially neglected tropical diseases
• Experience conducting large-scale studies and managing large field teams in Africa
• Experience in working with national disease control programmes, especially neglected tropical disease control programmes

SALARY AND CONDITIONS OF APPOINTMENT

The post is funded by Wellcome Trust for a period of six months and will commence as soon as possible. Salary is on the Academic Pathway from £37,106 to £42,139 per annum (inclusive of London Weighting). Appointment of salary will normally be at the minimum of the grade. Annual leave entitlement is 30 working days per year for all staff (pro-rata for part-time staff). In addition, staff are entitled to public holidays and Director’s days on which the School is closed.

ASYLUM AND IMMIGRATION

The School will comply with the Immigration, Asylum and Nationality Act 2006, which requires all employees to provide documentary evidence of their legal right to work in this country prior to commencing employment. Candidates will be required to bring their passport (and visa if applicable) to interview so that it can be copied and verified.

For this post, we are unable to make successful application for a Certificate of Sponsorship, this is due to not meeting the criteria for the Resident Labour Market test. We are unable to appoint an individual who is not currently eligible to work in the UK.

Further information about Certificate of Sponsorship and eligibility to work in the UK, can be found at: www.ukba.homeoffice.gov.uk/employers/points

APPLICATIONS

Applications should be made online via our website at http://jobs.lshtm.ac.uk. The reference for this post is RP1. Applications should also include the names and email contacts of 2 referees who can be contacted immediately if shortlisted. Closing date for the receipt of application is 28 July 2015. Online applications will be accepted by the automated system until 10pm on the closing date. Any queries regarding the application process may be addressed to jobs@lshtm.ac.uk.

The London School of Hygiene & Tropical Medicine is committed to being an equal opportunities employer