

# ASSISTANT PROFESSOR

<b>Job Title:</b>	<b>Assistant Professor</b>
<b>Department:</b>	Infectious Disease Epidemiology & International Health
<b>Faculty:</b>	Epidemiology & Population Health
<b>Location:</b>	Keppel St, London
<b>FTE:</b>	0.15
<b>Grade:</b>	7
<b>Accountable to:</b>	Dean of Faculty through the Head of Department
<b>Job Summary:</b>	<p>We are seeking an experienced researcher in spatial epidemiology and/or data science to develop and deliver a research portfolio that supports estimating closer-to-reality travel time, geographic accessibility and uptake of emergency obstetric and newborn care (Emmons), as well as improved reproductive, maternal, newborn, and child health (RMNCH) outcomes in low- and middle income (LMIC) settings, especially in urbanised and built-up areas. The post-holder will be supervised by Dr Aduragbemi Banke-Thomas and will join a supportive, multi-disciplinary research group to work on research questions directly aligned to the On Tacking In-transit delays for Mothers in Emergency (OnTIME) project's identified immediate priorities.</p> <p>The post-holder will partake in innovative research projects and provide analytical expertise across the programmes.</p> <p>The post involves leading analysis of epidemiological, behavioural, demographic and environmental spatial datasets to develop and evaluate methods that improve geographic accessibility estimates, such as integrating data into Geographic Information Systems (GIS) and mapping / predictive spatial modelling. It will involve close working with multi-disciplinary teams in OnTIME and in LMICs. The project will require a high degree of personal motivation but provides considerable scope for the post-holder to develop their own research within this area.</p>

## General Information

The London School of Hygiene & Tropical Medicine (LSHTM) is renowned for its research, postgraduate studies and continuing 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.

We embrace and value the diversity of our staff and student population and seek to promote equity, diversity and inclusion as essential elements in contribution to improving health worldwide. We believe that when people feel respected and included, they can be more creative, successful, and happier at work. While we have more work to do, we are committed to building an inclusive workplace, a community that everyone feels a part of, which is safe, respectful, supportive and enables all to reach their full potential.

To find out more please visit our [Introducing LSHTM page](#).

## Our Values

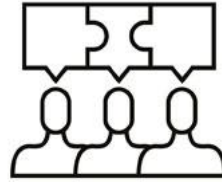
Our values establish how we aspire to achieve our mission both now and in the future - demonstrating what it means to work and study at LSHTM. Please visit our [LSHTM Values page](#) for further information.



**Act with  
integrity**



**Embrace  
difference**



**Work  
together**



**Create  
impact**

## Faculty Information

The Faculty of Epidemiology & Population Health (EPH) houses a large group of epidemiologists, demographers, statisticians and nutritionists working on major issues of importance to public health provision in the UK and globally. EPH employs approximately 560 people in five research departments.

- Department of Infectious Disease Epidemiology & Dynamics
- Department of Infectious Disease Epidemiology & International Health
- Department of Medical Statistics, which includes the Clinical Trials Unit
- Department of Non-communicable Disease Epidemiology
- Department of Population Health

The Faculty has a postgraduate teaching programme including eleven intensive MSc courses: Epidemiology, Demography and Health, Medical Statistics, Health Data Science, Public Health for Development (jointly with Faculties of Infectious & Tropical Diseases and Public Health & Policy), Nutrition for Global Health, Global Mental Health (jointly with Kings College London, Institute of Psychiatry), Reproductive & Sexual Health Research, Sexual & Reproductive Health Policy and Practice (online), Veterinary Epidemiology (run jointly with the Royal Veterinary College) and Climate Change and Planetary Health. There are also three distance Learning MSc courses: Epidemiology, Clinical Trials and Demography in Health. The Faculty also has approximately 120 research students studying for an MPhil, PhD or DrPH degree.

The Dean of Faculty is Professor Elizabeth Allen.

### Department of Infectious Disease Epidemiology & International Health

The Department of Infectious Disease Epidemiology and International Health conducts research on the epidemiology and control of infectious diseases, and other topics relevant for global public health. Work is carried out in low-, middle- and high-income countries, including the United Kingdom, in close collaboration with country partners and global stakeholders. The Department has research groups working on maternal, perinatal and child health; adolescent health; infectious diseases including HIV, tuberculosis, malaria and Neglected Tropical Diseases; vaccines; and humanitarian crises.

Research methods include ecological studies of variations in disease frequency in different populations; observational case-control and cohort studies to investigate risk factors for infection or disease; randomized controlled trials, observational studies and social science investigations to evaluate the effectiveness of individual- and community-level public health interventions; methodological research to improve measurement of processes and outcomes; and implementation science studies on the delivery of health services and interventions.

The Department Heads are Oona Campbell and Sian Floyd.

The portfolio of duties outlined below will vary in accordance with the academic expectations of the role, which may be varied from time to time, and agreed at your annual Performance and Development Review (PDR).

## Job Description

### Main Activities and Responsibilities

### Knowledge Generation

1. To deliver high quality research & scholarship in your field of study, individually and in collaboration with others, by applying for external grants/fellowships from good<sup>1</sup> research funders, publishing peer-reviewed outputs as lead and co-author; and evaluating teaching practice;
2. To contribute to doctoral student supervision;
3. To manage research grants and promote and ensure compliance with good practice in relation to the conduct of research, the ethics policy, and other relevant LSHTM policies;
4. To support the development of early-career researchers;

### Education

1. To deliver high quality, inclusive, research-informed teaching and assessment in relation to your specific subject and within the broader area covered by your department/disciplinary field;
2. To contribute to the improvement of the quality and inclusivity of LSHTM's education, by participating in the development of new and updated learning and, teaching materials or approaches, and/or improving assessment practices, and/or improving aspects of the student experience;
3. To support educational leadership and management by active participation in selected aspects of the curriculum, as appropriate, and by collaborating with professional services staff, centrally and in the Faculty, in carrying out relevant administrative processes;

### Internal Contribution

1. To undertake activities that support the Department, Faculty or MRC Unit or LSHTM, including Committee membership;
2. To reflect LSHTM's EDI goals in your work and behaviour;
3. To participate in own PDR and undertake those of others;

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<sup>1</sup> Good research funders are: Research Councils; Government Departments; NIHR; National and overseas charities recognised by HEFCE for QR; Overseas research councils or equivalent including NIH; EU; other agencies (eg NGOs, commercial companies) supporting commissioned research that is consistent with LSHTM's mission and meets LSHTM's cost recovery targets

## External Contribution

1. To demonstrate good external citizenship by contributing to the external academic community;
2. To promote knowledge translation and enterprise by participating in networks and activities that disseminate research-based knowledge beyond academia;

## Professional Development and Training

1. To keep up-to-date with the latest research/thinking in your academic field and with changes to pedagogic practice within LSHTM and more generally;
2. To undertake and successfully complete the mandatory training required by LSHTM appropriate to the role;

## General

All academic staff are free within the law to question and test received wisdom, and put forward new ideas and controversial or unpopular opinions, to enable LSHTM to engage in research and promote learning to the highest possible standards.

All staff at LSHTM are also expected to:

1. Act at all times in LSHTM's best interests;
2. Treat staff, students and visitors with courtesy and respect at all times;
3. Comply fully with LSHTM policies, procedures and administrative processes relevant to the role including when acting as Principal Investigator, accepting academic, managerial, financing and ethical responsibility for a project;
4. Uphold and support LSHTM's values (as set out in the LSHTM Strategy);
5. Act as ambassadors for LSHTM when hosting visitors or attending external events;

## Academic Expectations

All academic roles have a statement of academic expectations attached to each level. Please ensure that these have been read and understood. For further information please refer to the [Academic Expectations page](#).

*The above list of duties is not exclusive or exhaustive and the role holder will be required to undertake such tasks as may reasonably be expected within the scope and grading of the role.*

*Role descriptions should be regularly reviewed to ensure they are an accurate representation of the role.*

## Person Specification

This form lists the essential and desirable requirements needed by the post holder to be able to perform the job effectively.

Applicants will be shortlisted solely on the extent to which they meet these requirements.

### Essential criteria:

1. A doctoral degree in a relevant topic
2. Expertise in spatial epidemiology and geostatistical methods in the field of RMNCH in LMIC settings, including in urban environments
3. Contributions as lead and co-author in peer-reviewed outputs, as expected by the subject area/discipline in terms of types and volume of output; significant contributions to at least four outputs within the most recent 5 years which are at least internationally excellent<sup>2</sup>
4. Proven ability to work independently, as well as collaboratively as part of a research team, and to meet research deadlines
5. An understanding of the strategies for improving equity and inclusion in research and or learning and teaching
6. Evidence of excellent interpersonal skills, including ability to communicate effectively both orally and in writing
7. Evidence of good organizational skills, including effective time management
8. Expertise in spatial epidemiology and geostatistical methods in the field of RMNCH in LMIC settings, including in urban environments
9. Experience of optimization and predicting quantitative analyses to study geographical accessibility to both emergency and routine healthcare
10. Experience of working with geographical information systems, both as stand-alone applications and through common programming languages
11. Proven abilities to develop and conduct research activities on topics related to spatial epidemiology and population health, with a RMNCH focus
12. Strong programming skills in R and demonstrable ability to learn new programming tools quickly
13. A theoretical and practical understanding of health inequality and equity in LMIC settings
14. Proven ability to collaborate effectively with public health agencies, NGOs, and private-sector stakeholders
15. Experience working in both LMICs and HICs

### Desirable criteria:

1. Experience of generating research income such as fellowships, and/or small project grants, and/or supporting grant applications of others

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<sup>2</sup> i.e. of a quality that would be rated highly in assessments of research quality such as those done by UK government, and in peer review processes used by funders

2. Some experience of supervising and supporting junior researchers and/or research degree students, and non-academic staff
3. Some experience of undertaking teaching and assessment
4. Demonstrable evidence of promoting inclusion in research and or learning and teaching
5. A teaching qualification
6. Data management and wrangling experience with harmonizing various data sources and formats, including satellite imageries, routine health records, and population survey data
7. Experience of developing collaborative and reproducible code for data analysis and statistical inference.
8. Advanced ability to speak and comprehend two or more UN languages (English, French, Spanish, Arabic, Chinese, Russian)

## Salary and Conditions of Appointment

The post is fixed term until 30 November 2024 and part-time 5.25 hours per week, 0.15 FTE. The post is available immediately. The salary will be on the Academic scale, Grade 7 scale in the range £51,299 - £58,723 per annum pro rata (inclusive of London Weighting).

The post will be subject to the LSHTM terms and conditions of service. Annual leave entitlement is 30 working days per year, pro rata for part time staff. In addition to this there are discretionary "Wellbeing Days". Membership of the Pension Scheme is available.

LSHTM has a Hybrid Working Framework, which alongside agreed service requirements, enables teams to work more flexibly (if the role allows), promoting a greater wellbeing and work/life balance.

## Application Process

Applications should be made on-line via our [jobs website](#). Applications should also include the names and email contacts of 2 referees who can be contacted immediately if appointed. Online applications will be accepted by the automated system until 10pm of the closing date. We regret that late applications cannot be accepted. Any queries regarding the application process may be addressed to [jobs@lshtm.ac.uk](mailto:jobs@lshtm.ac.uk).

The supporting statement section should set out how your qualifications, experience and training meet each of the selection criteria. Please provide one or more paragraphs addressing each criterion. The supporting statement is an essential part of the selection process and thus a failure to provide this information will mean that the application will not be considered. An answer to any of the criteria such as "Please see attached CV", "Yes" or "No" will not be considered acceptable and will not be scored.

Please note that if you are shortlisted and are unable to attend on the interview date it may not be possible to offer you an alternative date.

## Asylum and Immigration Statement

LSHTM will comply with current UKVI legislation, 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 email a copy of their passport (and visa if applicable) to HR prior to their interview and if appointed will be asked to bring the original documents in to be copied and verified before their start date.

This role does not meet the minimum requirements set by UKVI to enable sponsorship under the skilled worker route. Therefore we cannot progress applications from candidates who require sponsorship to work in the UK.

Date amended: Sept 2023