PROFESSOR

LONDON SCHOOL of HYGIENE & TROPICAL MEDICINE

Job Title:	**Professor (and Head of Department)**
Department:	Department of Infectious Disease Epidemiology & Dynamics
Faculty:	Faculty of Epidemiology and Population Health
Location:	London
FTE:	1.0
Grade:	Professor (any grade)
Accountable to:	Dean of Faculty
Job Summary:	The London School of Hygiene & Tropical Medicine (LSHTM) is seeking to appoint a Full Professor in infectious disease epidemiology with a specialism in disease dynamics. The ideal candidate will have a doctoral degree in infectious disease epidemiology or a related quantitative discipline and prior experience of leading a large academic group (e.g. department, centre or faculty). They will be able to demonstrate substantial contributions to research and teaching of infectious diseases epidemiology and have a strong track record of collaboration and attracting grant funding, an excellent publication record, experience in conducting interdisciplinary research in diverse settings, and be committed to providing high-quality teaching and maintaining respectful working relationships. This senior appointment is expected to take on a leadership role within the department and/or faculty. This will be one or both of: 1) An appointment as Head of the Department of Infectious Disease Epidemiology & Dynamics. The Head of Department will have a 0.4 FTE time allocation and an initial term of three years. This is an exciting opportunity to lead a well-established and renowned group of interdisciplinary scientists in the Department of Infectious Disease Epidemiology & Dynamics. The Department has around 100 staff who are at the forefront of tackling some of the most important questions in infectious disease dynamics, with groups working on infectious disease modelling, outbreak preparedness and response and vaccine confidence. 2) An appointment as the coordinator for Health Data Science research and education across the Faculty of Epidemiology and Population Health, particularly artificial intelligence and machine learning in epidemiological research, an area of increasing importance at LSHTM. This will involve close coordination with the LSHTM-based centres for data and statistical science for health (DASH) and mathematical modelling of infectious diseases (CMMID). Appointment to these internal leadership roles can be on a shared basis with an existing member of LSHTM staff if the candidate makes major contributions to other research, education or leadership roles.

	We particularly welcome applications from women and those from an ethnic minority background, as they are under-represented within the IDE-D department at this level. Candidates are encouraged to contact the Dean of Faculty Professor Elizabeth Allen (elizabeth.allen@lshtm.ac.uk) and the head of the search committee Oliver Brady (oliver.brady@lshtm.ac.uk) for an informal discussion about this post.

General Information

The London School of Hygiene & Tropical Medicine (LSHTM) is one of the world's leading public health universities.

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.

Staff and students are committed to helping create a more healthy, sustainable and equitable world for everyone, because we believe our shared future depends on our shared health.

We embrace and value the diversity of our staff and student population and seek to promote equity, diversity and inclusion as essential elements to improve 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.

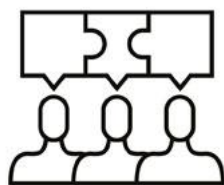To find out more please visit our Introducing LSHTM page.

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 of Epidemiology and Population Health

The Faculty of Epidemiology & Population Health (EPH) houses a large group of epidemiologists, demographers, statisticians and nutritionists working on issues of major public health importance in the UK and globally. EPH has approximately 400 staff members organised into five research departments.

- Department of Infectious Disease Epidemiology and Dynamics
- Department of Infectious Disease Epidemiology and International Health
- Department of Medical Statistics
- 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 two Distance Learning MSc courses: Epidemiology and Clinical Trials. The Faculty also has approximately 220 research students studying for an MPhil, PhD or DrPH degree.

The Dean of Faculty is Professor Elizabeth Allen.

Department of Infectious Disease Epidemiology & Dynamics (IDED)

The Department of Infectious Disease Epidemiology & Dynamics conducts research on the epidemiology and control of infectious diseases of public health importance. Work is carried out in low-, middle- and high-income countries, including the United Kingdom, in close collaboration with partners in each country. The Department has three groups:

- The infectious disease modelling group, which comprises the majority of the [Centre for Mathematical Modelling of Infectious Diseases (CMMID)](#), and develops and applies the latest mathematical and statistical modelling methods to understand the dynamics of infectious pathogens to inform their control.
- The [UK Public Health Rapid Support Team](#), a specialist multidisciplinary team across LSHTM and the UK Health Security Agency (UKHSA) that supports low and middle income countries around the world in preparing for and responding to disease outbreaks, through field collaboration, research and capacity-strengthening activities.
- The [Vaccine Confidence Project](#), which conducts global research, investigating the roots, trends over time and impacts of vaccine confidence at regional, national and sub-national levels.

The Department works closely with the Department of Infectious Disease Epidemiology & International Health.

The Department Heads are Professor Gwenda Hughes and Dr Oliver Brady.

The portfolio of duties outlined below will vary in accordance with the academic expectations of the role and any additional role to which you are formally appointed, 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 maintaining a substantial programme of research supported by good[1] research funders, publishing peer-reviewed outputs, undertaking, and supporting colleagues in, generating and securing (where relevant) intellectual property, and evaluating teaching practice;

2. To oversee and participate in doctoral student supervision and examination;

3. To demonstrate research leadership and promote and ensure compliance of self and others with good practice in relation to the conduct of research, the ethics policy, inclusivity, and other relevant LSHTM policies;

4. To lead on, monitor and advance, the development of early-career researchers;

5. As Head of Department, to work with the Faculty's Associate Dean of Research to set a clear vision for advancing knowledge in infectious disease modelling, outbreak preparedness and response and vaccine confidence, to enhance the Department's international reputation and to facilitate production of world-leading research outputs.

6. As Health Data Science coordinator, to coordinate research activities and funding applications across the Faculty around the use of health data science, particularly artificial intelligence and machine learning in epidemiology.

Education

1. To deliver high quality, inclusive education and assessment in relation to your specific subject and within the broader area covered by your department and disciplinary field;

2. To contribute to the improvement of the quality and inclusivity of LSHTM's education, by participating in the review and development of new and updated learning and teaching materials or approaches, and/or improving assessment practices, and/or improving aspects of the student experience;

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[1] 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.

3. To demonstrate educational leadership and management by taking responsibility for a specific element of the faculty's education portfolio;

4. As Head of Department, to work with the Faculty's Associate Dean of Education to set a clear vision for the Department's contribution to the Faculty's educational programme.

5. As Health Data Science coordinator, to work with MSc programme directors, short course organisers and LSHTM's in-house staff training programme to further education of Health Data Science at LSHTM, particularly artificial intelligence and machine learning in epidemiology.

Internal Contribution

1. To demonstrate good internal citizenship by undertaking PDRs and promoting staff development, and by leading on the recruitment, mentoring and support of colleagues as appropriate;

2. To take on senior leadership and managerial responsibilities in a Faculty, Department, MRC Unit or Centre and LSHTM committee roles as appointed, and by supporting activities that ensure a vibrant, supportive and productive academic environment;

3. To proactively demonstrate LSHTM's EDI goals in your work and behaviour;

4. As Head of Department, to be responsible for coordinating activities to maintain a thriving academic environment in the Department, and to work with the Department Manager to ensure effective departmental management.

External Contribution

1. To demonstrate good external citizenship by initiating and building LSHTM's links with appropriate external and international organisations, supporting LSHTM fund-raising and development activities and maintaining a strong national and international profile;

2. To promote knowledge translation and enterprise by exploiting academic knowledge beyond academia;

3. As Head of Department, to proactively seek opportunities to partner with external and international organisations, to achieve common goals of improving health and health equity globally through knowledge generation, education and practice.

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;

3. As Head of Department, to identify and promote opportunities for professional development that will empower academic staff to excel in their roles.

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 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. Expertise and a track record of research and education in infectious disease epidemiology and dynamics.

2. Doctoral degree in a quantitative subject relevant to infectious disease epidemiology and dynamics.

3. Proven ability to obtain research funding from major funders, including salary recovery, and manage a significant portfolio of research projects.

4. Excellent track record of publishing as lead, senior 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 internationally excellent and/or world leading[2]; supporting members of own research team to also meet their expectations for outputs.

5. Clear vision of a future research agenda.

6. An understanding of the strategies for improving equity and inclusion in research and/or learning and teaching.

7. Experience of leading and managing research teams, ideally as the head of a department, centre or large research team.

8. Evidence of ability to deliver high quality research-informed teaching at post-graduate level and supervise doctoral students to successful completion.

9. Substantial evidence of recognition within external research community.

Desirable Criteria

1. Evidence of ability to forge productive, long-term collaborative research relationships including with partners in low- and middle- income countries.

2. Experience of innovation in teaching delivery and assessment.

3. Experience of senior teaching management such as Programme Director, and/or Exam Board member, Periodic Review panel member etc.

4. Demonstrable evidence of improving equity and inclusion in research and/or learning and teaching.

5. Experience of engagement with national and/or international research and/or policy advisory bodies.

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[2] 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

6. An understanding of the opportunities for collaboration between modelling, outbreak preparedness and response, vaccine confidence and other disciplines and a plan of how this can be expanded.

7. An understanding of the latest developments in artificial intelligence and machine learning and a vision for how they can be applied in the field of epidemiology research and education.

Salary and Conditions of Appointment

The post is permanent and full-time 35 hours per week, 1.0 FTE. The post is Faculty funded and is available from February 2025. The salary will be on the Professorial scale in the range £72,232 - £115,727+ 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.

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.

Applications from candidates who require sponsorship to work in the UK will be considered alongside other applications.   Applicants who do not currently have the right to work in the UK will have to satisfy UK Visas & Immigration regulations before they can be appointed.

Further information about Sponsorship and eligibility to work in the UK, can be found on the [government immigration rules page]().

Date amended: Jan 2024