

# RESEARCH ASSISTANT



<b>Job Title:</b>	<b>Research Assistant</b>
<b>Department:</b>	Infectious Disease Epidemiology & Dynamics
<b>Faculty:</b>	Epidemiology and Population Health
<b>Location:</b>	Keppel Street, London
<b>FTE:</b>	1.0
<b>Grade:</b>	G5
<b>Accountable to:</b>	Prof Rein Houben, Prof Richard White, Dr Katherine Horton
<b>Job Summary:</b>	<p>We are looking for up to two enthusiastic and highly motivated research assistants to join the world-leading TB Modelling group (<a href="http://tbmodelling.lshtm.ac.uk">http://tbmodelling.lshtm.ac.uk</a>), TB Centre (<a href="http://tb.lshtm.ac.uk">http://tb.lshtm.ac.uk</a>) and Centre for the Mathematical Modelling of Infectious Diseases (<a href="http://cmmid.lshtm.ac.uk">http://cmmid.lshtm.ac.uk</a>), at the London School of Hygiene &amp; Tropical Medicine (LSHTM).</p> <p>While tuberculosis (TB) remains the biggest cause of death from a single infectious agent globally, substantial gaps remain in our understanding of its natural history and approaches to reduce the global burden of TB. The successful candidates will contribute to projects within the group, including examining the optimal combination of TB interventions across multiple countries and the impact of Gender sensitive case finding. Work will be part of the wider grant objectives, with a mix of individual responsibilities and collaboration with colleagues within the wider team.</p> <p>The post-holders will be supervised by Prof Rein Houben, Dr Katherine Horton and Prof Richard White, and will join a highly successful and supportive TB modelling group.</p> <p>It is expected that the project will involve manipulation and running of mathematical models of TB using R and XML.</p>

## 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

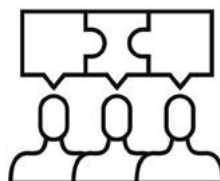
Our values establish how we aspire to achieve our mission both now and in the future - demonstrating what it means to work and study at LSHTM. Please visit our [LSHTM Values page](#) for further information.



**Act with  
integrity**



**Embrace  
difference**



**Work  
together**



**Create  
impact**

## Faculty 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 & 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 is linked to the [Centre for Mathematical Modelling of Infectious Diseases \(CMMID\)](#).
- The [UK Public Health Rapid Support Team](#), a specialist multidisciplinary team across LSHTM and the UK Health Security Agency (UKHSA) that offers low and middle income countries around the world support to prepare for and respond 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 co-Heads are Prof Gwenda Hughes and Dr Oliver Brady.

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 undertake high quality research as directed by your line manager, including contributing to drafting grant proposals and peer-reviewed and other outputs, and evaluating teaching practice;
2. To support the administration of projects linked to your employment, helping ensure compliance with good practice in relation to the conduct of research, the ethics policy, and other relevant LSHTM policies;
3. Develop and manipulate mathematical models of TB using R and XML.

#### **Education**

1. To participate in some aspects of LSHTM's Education Programme or educational outreach activities;

#### **Internal Contribution**

1. To undertake activities that support the Department, Faculty, MRC Unit or LSHTM;
2. To reflect LSHTM's EDI goals in your work and behaviour;
3. To participate in LSHTM's PDR process;

#### **External Contribution**

1. To demonstrate good external citizenship by supporting the external academic and practice communities;

#### **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. For lab-based disciplines: where the length and nature of the position permits, to apply for and, if accepted, undertake a doctoral degree (if not already acquired);
3. To undertake and successfully complete the mandatory training required by LSHTM as 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;
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 relevant first degree in the field of Epidemiology (or similar degree with quantitative, public health or biomedical focus).
2. Some experience in mathematical modelling of infectious diseases
3. Relevant analytical skills in public health
4. Evidence of good organisational skills, including effective time management.
5. Experience in mathematical modelling of Tuberculosis
6. Proven ability to work independently, as well as collaboratively, as part of a research team.
7. Evidence of excellent interpersonal skills, including the ability to communicate effectively both orally and in writing.

### Desirable Criteria

8. Some experience of teaching
9. Working knowledge of a programming language (e.g. R, Python)
10. Experience in using XML files to manipulate model code
11. Understanding of a range of TB care and prevention interventions (including, but not restricted to screening/diagnostics, treatment, vaccine, nutrition, etc..)

## Salary and Conditions of Appointment

The posts are fixed term for one year from the start date and full-time 35 hours per week, 1.0 FTE. The posts are funded by The Wellcome Trust, and are available from 15 January 2024. The salary will be on the Academic scale, Grade 5 in the range £39,182 - £44,847 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.

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

