

# RESEARCH ASSISTANT



<b>Job Title:</b>	<b>Research Assistant</b>
<b>Department:</b>	CRD
<b>Faculty:</b>	ITD
<b>Location:</b>	United Kingdom
<b>FTE:</b>	0.3FTE
<b>Grade:</b>	Research Assistant G5
<b>Accountable to:</b>	Principal Investigator (PI) – Joseph Tucker and Dan Wu
<b>Job Summary:</b>	The post holder will assist the ESRC-funded interdisciplinary research group (International Diagnostic Centre and International Centre for Evidence in Disability at LSHTM) to implement the discrete choice experiment study among older people in the UK. The successful candidate will be expected to help the team carry out fieldwork, collect survey data, help with data analysis and interpretation. A background in public health and/or data science is essential.

## 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, the School has expanded in recent years at its two main sites on Keppel Street and Tavistock Place. Our staff, students and alumni work in more than 150 countries in government, academia, international agencies and health services.

Research income has grown to more than £180 million per year from national and international funding sources including UK government and research councils, the European Union, the Wellcome Trust, Gates Foundation and other philanthropic sources.

Our diverse research talents, skills and experience, underpin our position as a leader in public and global health. These range from the molecular to the global, the theoretical to the applied, the analytical to the political. Our staff are conducting research in more than 100 countries.

We have 3,300 staff based all around the world with core hubs in London and at the MRC Units in The Gambia and Uganda, which joined LSHTM in February 2018. Our outstanding, diverse and committed staff make an impact where it is most needed - deploying research in real time in response to crises, developing innovative programmes for major health threats, or training the next generations of public and global health leaders and researchers.

Working in partnership is central to achieving our mission. Our strategic collaborations in the UK and across high-, middle- and low-income countries deliver health and socioeconomic benefits across the world, especially in the most disadvantaged communities.

LSHTM is also a member of the M8 Alliance of Academic Health Centers, Universities and National Academies, the Association of Schools of Public Health in the European Region, and the Consortium of Universities for Global Health.

We deliver research-led educational programmes to future health leaders, managers and researchers across the world. We have more than 1,200 face-to-face Master's and Doctoral students, 3,000 studying by distance learning, and 1,000 each year on short courses and

continuous professional development. Our free online courses are studied by more than 70,000 participants globally.

LSHTM performs strongly in various global university league tables. In the 2019 CWTS Leiden Ranking LSHTM is ranked the UK's top university for the proportion of academic research with women listed as authors, first in Europe for publishing open access research, and first in Europe and eighth in the world for research impact in sciences (for the proportion of its total publications ranking in the top 10% of most cited research).

In the US News Best Global Universities Ranking 2019, we ranked ninth in the UK overall and 13th in the world in the fields of social sciences and public health. We ranked 27th for medicine in the 2019 QS World University Rankings.

In 2017, the inaugural Center for World University Rankings by Subject placed LSHTM first in the world for tropical medicine research, second for parasitology and seventh for infectious diseases, public, environment and occupational health, and social sciences and biomedical.

LSHTM was named University of the Year 2016 by Times Higher Education and awarded a Queen's Anniversary Prize for Higher and Further Education in 2017 in recognition of our response to the 2014 Ebola epidemic in West Africa. LSHTM does not appear in the Times Higher Education World University Rankings as universities are excluded if they do not teach undergraduates.

We seek to foster and sustain a creative and supportive working environment based upon an ethos of respect and rigorous scientific enquiry. We embrace and value the diversity of our staff and student population and seek to promote equality as an essential element in contribution to improving health worldwide.

LSHTM is one of around 20 specialist institutions that receive institution specific funding from the Office for Students (OfS). This funding recognises the additional costs that LSHTM incurs because of its unique range of teaching, specialist facilities, and the scale of its contributions to national and international agencies.

## FACULTY INFORMATION

### 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 Alison Grant, who is **Professor of International Health**. 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 three large research departments comprising: Clinical Research, Disease Control, and Infection Biology. 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 Clinical Research (Head: Professor Shunmay Yeung)***

The Department of Clinical Research addresses infectious diseases of major public health importance in developing countries. Activities include trials of new therapies, vaccines and educational interventions; the development of new diagnostic tests; studies to elucidate the immunological and molecular correlates of pathogenesis and protective immunity, and to identify genetic polymorphisms conferring protection or susceptibility to infectious diseases; health services research which aims to identify the most efficient and cost-effective way to deliver health care; and health policy analysis. In addition to our many overseas collaborations, we have close links with the Hospital for Tropical Diseases, in purpose-built accommodation on the main UCL Hospital campus, five minutes walk from the School. The Wellcome Trust Bloomsbury Centre for Global Health Research is based in the Department, and supports Clinical Fellows at all levels, most of whom are based overseas.

The Department's main research interests include HIV and related infections; in particular, the interaction between HIV infection and tuberculosis, and other sexually transmitted diseases; malaria; trachoma; leprosy; diagnostic tests for resource limited settings; eye health; disability; and travel medicine.

#### ***Department of Disease Control (Head: Professor Jayne Webster)***

The Department of Disease Control is a multidisciplinary, cross-cutting department, operating in a global context and committed to excellence in research, innovation, learning and engagement. We have an outstanding reputation for internationally competitive research and teaching excellence, with demonstrable impact in the control of diseases, worldwide. Our diverse scientific staff comprises entomologists, epidemiologists, mathematical modellers, geographers, public health engineers, hygiene specialists, social scientists, engineers, statisticians and clinical scientists. We also have a strong team of project administrators, coordinators, managers, and communication specialists, who provide expert support to our research programmes in the UK and overseas. We are a highly collaborative Department, with extensive partnerships and collaborations with researchers from many countries and organisations around the world, as well as internally, with multiple School Departments. Our work cuts across several School Centres such as the Vaccine Centre, the Malaria Centre, Centre for Evaluation and the MARCH Centre.

Our staff play influential roles as consultants and key advisors to organisations including the WHO, CDC, Malaria Consortium, Public Health England, Department of Health, DFID, Bill and Melinda Gates Foundation, the Royal Society, Research Councils, Academy of Medical Sciences, the World Bank, Governments and private sector manufacturers and innovators, amongst many others. Our range of expertise provides us with an impressive set of tools for addressing the control of diseases that are insect-borne, water-borne or associated with poor hygiene – mostly in

low- and middle-income countries. Much of our research is directed at current health policy issues and addressing gaps between policy and practice.

### ***Department of Infection Biology (Head: Professor Chris Drakeley)***

The Department of Infection Biology brings together pathogen molecular biology and immunology and infection research across the School. The Department benefits from state of the art facilities and strong collaborations, many of which are with partners in disease endemic countries.

We study the molecular biology and genetics of pathogens and interaction with their hosts, to improve understanding and control of infectious diseases and to understand the complex and dynamic ways by which pathogens modulate virulence and interact with the human host. Such a holistic approach will vastly increase the scope for the rationale of design of long-term intervention strategies to reduce the burden of infectious disease. In recent years such a mission has been significantly enhanced by the availability of whole genome sequences. The Department is involved in several pathogen genome projects, and post genome studies which facilitate understanding of complex parasites. The interpretation and exploitation of this basic information is the platform for numerous new avenues of research on pathogenesis, epidemiology and the evolution of virulence.

Our research in immunology and infection centres on analysis of the host response to infection at the molecular, cellular and population levels. The goals are to develop a greater understanding of basic mechanisms of immunological protection versus pathology, and to apply this knowledge to the development of immunological interventions and the identification of correlates of immune status. Our work involves application of state of the art cellular and molecular approaches to the in vitro analysis of pathogen-host cell interactions, to in vivo studies in models, and to the study of immunity at the population level in disease endemic areas. We also conduct translational research for the development and evaluation of diagnostic approaches to identify disease foci and monitor drug resistance

### ***Teaching***

The School offers 19 one year full-time taught programmes 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 nine of these MSc programmes. In addition, the Faculty is responsible for the three-month Professional Diploma in Tropical Medicine and Hygiene, the Professional Diploma in Tropical Nursing and offers a range of specialist short courses lasting usually one or two weeks. The School offers a further six MSc programmes by Distance Learning, with the Faculty responsible for the MSc Infectious Diseases.

### ***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.

The portfolio of duties outlined below will vary in accordance with the detailed expectations of the role (attached), 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;
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 School policies;
3. To review the literature on previous qualitative research with older people on sensitive topics (eg, sexual health) and help coordinate a community advisory board for the respective study
4. To assist the team and help arrange qualitative interviews with older people in the UK
5. To carry out fieldwork including conducting qualitative interviews when needed and survey with older people
6. To help with data analysis and interpretation of study results

#### **EDUCATION**

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

#### **INTERNAL CONTRIBUTION**

1. To undertake activities that support the Department, Faculty or the School;
2. To participate in the School's PDR process;
3. To support activities at the International Diagnostic Centre (IDC)

#### **EXTERNAL CONTRIBUTION**

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

#### **PROFESSIONAL DEVELOPMENT & TRAINING**

1. To keep up-to-date with the latest research / thinking in your academic field and with changes to pedagogic practice within the School 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 the School as appropriate to the role;
4. To take target training in relevant techniques in discrete choice experiment

## 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 the School 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 the School's best interests;
2. Treat School staff, students and visitors with courtesy and respect at all times;
3. Comply fully with School policies, procedures and administrative processes relevant to the role;
4. Uphold and support the School's values (as set out in the School Strategy document);
5. Act as ambassadors for the School when hosting visitors or attending external events;

*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. Data science by training
2. Relevant experience in data science and academic manuscript writing
3. Evidence of good organisational skills, including effective time management.
4. Proven ability to work independently, as well as collaboratively as part of a research team.
5. Evidence of excellent interpersonal skills, including the ability to communicate effectively both orally and in writing
6. Relevant computer/analytical skills for qualitative and quantitative data

### **DESIRABLE CRITERIA**

1. Some experience of teaching
2. Prior experience of undertaking data analysis

## **SALARY AND CONDITIONS OF APPOINTMENT**

This part-time post (0.3 FTE) is fixed term and funded by the ESRC until 31 January 2022. The post is available from 1 September 2021. The salary will be on the Academic pathways Grade 5 in the range £34,854- £40,011 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 "Director's Days". Membership of the Pension Scheme is available. The post is based in London at the London School of Hygiene & Tropical Medicine.

Applications should be made on-line via our website at <http://jobs.lshtm.ac.uk>. Applications should also include the names and email contacts of 2 referees who can be contacted immediately if shortlisted. Online applications will be accepted by the automated system until 10pm of the closing date. Any queries regarding the application process may be addressed to [jobs@lshtm.ac.uk](mailto:jobs@lshtm.ac.uk). Please quote reference REF ITD-CRD-2021-13

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" will not be considered acceptable. 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**

The School 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: MAY 2021



## Academic Expectations: Research Assistant

Examples of expected types of activities are listed; the selection of activities will vary from year to year and not all activities in each category would necessarily be done in any one year. The statement in each shaded heading summarises the general expectations for contributions in each category. Given the nature of employment as a Research Assistant, it is expected that most activity will focus on knowledge generation, but some activity in other areas is desirable and will be required for career progression.

<b><i>Knowledge generation: High quality support for, and contribution to, research</i></b>
<i>Research and scholarship</i> <ul style="list-style-type: none"><li>• Undertaking research, as directed by line manager</li><li>• Contributions to funding applications including supporting more senior staff in completing applications</li><li>• Contributing to peer-reviewed outputs as expected by the subject area/discipline in terms of types of output</li><li>• Poster/oral presentations at conferences</li><li>• Social media contributions such as twitter, blogs, web-based media or webinars</li></ul> <i>Doctoral degree supervision</i> <ul style="list-style-type: none"><li>• None expected though involvement in advisory activities/roles or provision of practical skills training is encouraged where relevant</li></ul> <i>Research management, leadership and support</i> <ul style="list-style-type: none"><li>• Effective management of own time and activities</li><li>• Supporting the administration of projects he/she is employed on, eg taking meeting minutes</li></ul> <i>Professional development</i> <ul style="list-style-type: none"><li>• Appropriate courses and other development activities, referenced to RDF</li><li>• Especially for lab-based disciplines: where the length, nature and funding source of the position permit, to apply for and, if accepted, undertake a doctoral degree (if not already acquired).</li></ul>
<b><i>Education: Participation in educational activities<sup>1</sup></i></b>
<i>Teaching and assessment</i> <ul style="list-style-type: none"><li>• Limited participation in some aspects of the School's Education Programme or education outreach activities e.g. contributions to taught courses, research methods training, mentoring school pupils on outreach programmes</li></ul>
<i>Educational development and innovation</i> <ul style="list-style-type: none"><li>• Limited contributions to educational innovations or developments, e.g. helping to update the content or delivery of a course or module</li></ul> <i>Educational leadership and management</i> <ul style="list-style-type: none"><li>• None expected</li></ul> <i>Professional development</i> <ul style="list-style-type: none"><li>• Formal study/training and/or other activities that develop educational knowledge and expertise, referenced to UKPSF</li></ul>
<b><i>Internal contribution: Support to the academic environment in the Department or beyond</i></b>
<i>Internal citizenship</i> <ul style="list-style-type: none"><li>• Supporting Department/Faculty/Centre/School events or special interest groups; organising seminars/lab meetings/journal clubs; group or departmental social organising; support to Athena Swan activities; support to external partnerships</li></ul> <i>General leadership and management roles</i> <ul style="list-style-type: none"><li>• None expected but credit can be given if undertaken</li></ul>

<sup>1</sup> it is accepted that some RA roles and/or funding make it difficult to give time to Educational activities, but some degree of engagement is encouraged

**External contribution: Support to the external academic community**

*External citizenship*

- Involvement in journal or book reviews, if opportunities arise
- Sharing examples of good practice (e.g. contributing to discipline-specific interest group or professional bodies)

*Knowledge translation and enterprise: not expected but options include*

- Collection of evidence of research impact for impact case studies (e.g. policy records, correspondence with policy makers, media highlights)
- Engagement with policy/practice/industry/NGO communities and with the general public