JOB DESCRIPTION

Job Title: Statistician - Knowledge Transfer Partnership (KTP) Associate
Department: Medical Statistics
Faculty/Professional Service: Epidemiology and Population Health
Business partner: GSK PLC
Location: GSK Global Headquarters, New Oxford Street, London
Reports to: Jonathan Bartlett (LSHTM), in conjunction with GSK Supervisor Adrian Mander
Full-Time/Part-Time/Casual: Full-time
Grade: G7
Job Summary We are seeking to appoint a skilled statistician for the role of Knowledge Transfer Partnership (KTP) Associate, to take a leading role in a recently-funded Innovate UK Knowledge Transfer Partnership (https://www.ktp-uk.org/) between LSHTM and the global biopharmaceutical company GSK. In this 3-year KTP, the Partnership team will work collaboratively to demonstrate, implement and scale the use of emulated trials in the drug development process within GSK. Emulated trials use available data to estimate effects of treatments, and this project aims to establish their potential for helping to improve the design of future clinical trials and to producing regulatory-grade evidence of treatment benefit, thereby speeding up patient access to effective drugs. The KTP Associate will lead this project to establish the integration of trial emulation methodologies into GSK's drug development processes. The role requires a proactive individual with excellent leadership, communication and influencing skills. They will be responsible for developing and implementing approaches to the use of trial emulation in clinical trial design; for developing and delivering materials for training in trial emulation within GSK; for generating documentation and publications; and for advocating for trial emulation methodology with key stakeholders within GSK as well as with regulatory bodies. The associate will be based at GSK and will be part of the Statistics and Data Science Innovation Hub (SDSIH) group. They will also work with academics from the LSHTM Medical Statistics Department, who have expertise of trial emulation using real world data. The associate will benefit from opportunities to engage in training and development opportunities at GSK and LSHTM.

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.

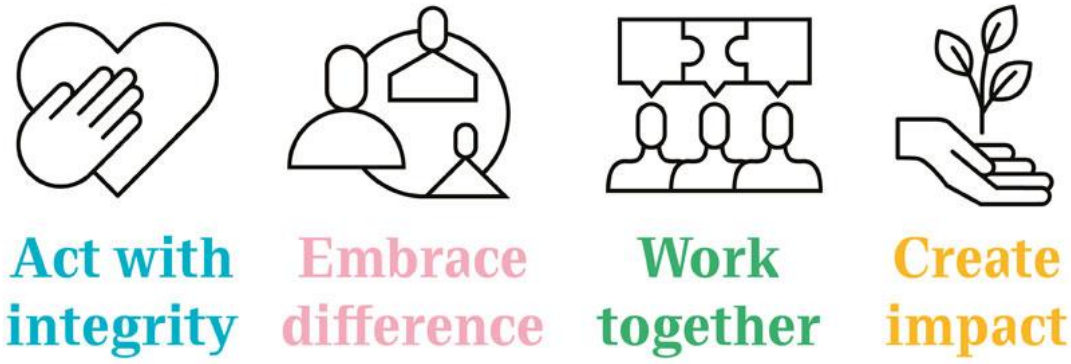
We embrace and value the diversity of our staff and student population and seek to promote equity, diversity and inclusion as essential elements in contribution to improving health worldwide. We believe that when people feel respected and included, they can be more creative, successful, and happier at 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 LSHTM's website: Introducing LSHTM page.

GSK is a global biopharma company with a purpose to unite science, technology and talent to get ahead of disease together. GSK aims to positively impact the health of more than 2.5 billion individuals by 2031, with ambitious plans for growth and continuing to make GSK a company where everyone can thrive. GSK prevents and treats disease with vaccines, specialty and general medicines. They focus on science of the immune system and advanced technologies, investing in 4 core therapeutic areas (Infectious Diseases, HIV, Respiratory/Immunology and Oncology) to impact health at scale. For more information, visit GSK's website.

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.



FACULTY/DEPARTMENT & BUSINESS PARTNER INFORMATION

Faculty of Epidemiology & Population Health
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 and three distance Learning MSc courses. The Faculty also has approximately 240 research students studying for an MPhil, PhD or DrPH degree.

The Dean of Faculty is Professor Elizabeth Allen.

Department of Medical Statistics
The Department of Medical Statistics (MSD) specializes in methodological research in medical statistics, especially in relation to clinical trials, observational epidemiology and disease prevention. MSD has established a reputation for being one of the leading innovative centres in Europe for biostatistical methodology relevant to the planning and reporting of medical research. The department has a leading role in methodological and applied research related to phase III clinical trials, missing data, pharmaco-epidemiology, causal inference and health data science. The Department incorporates a Clinical Trials Research Group (concerned with planning, co-ordination, statistical analysis and reporting of clinical trials), and has a special interest in perinatal health, cardiovascular, respiratory and infectious diseases, including trials conducted in LMIC.

The Head of Department is Tim Collier, and MSD's professors are Elizabeth Allen, James Carpenter, Tim Clayton, Diana Elbourne, Chris Frost, Ruth Keogh, Neil Pearce, Stuart Pocock, Linda Sharples, Jonathan Bartlett, Elizabeth Williamson.

Statistics and Data Science Innovation Hub (SDSIH) at GSK
The associate will be based at GSK at its new Global Headquarters at New Oxford Street in London. They will be part of the Statistics and Data Science Innovation Hub (SDSIH) group. SDSIH within GSK Biostatistics encompasses a very broad spectrum of statistical and data science capabilities. We have expertise in data wrangling; model development and validation; efficient trial design, output processing and app/interface building. As innovators, we are always looking for opportunities to pioneer more agile ways of working and discovering together.

Decisions about how and even whether to continue researching new medicines and vaccines must be taken at every stage of their development. These choices are difficult because they are based on incrementally accumulating but never definitive data. By synthesising the existing evidence and balancing it against what is uncertain, SDSIH plays a pivotal part in ensuring decision-makers are well-informed about likely risks and rewards of different development plans. Our expertise in statistical modelling, machine learning and data science engineering drives speed and efficiency across GSK's portfolio.

Job Description

Main Duties and Responsibilities
The KTP Associate role will encompass the following activities and responsibilities: • Leading and managing the project to establish the integration of trial emulation methodologies into GSK's drug development processes. • Developing and implementing cutting-edge statistical methods for trial emulation to inform clinical trial design and drug development. • Working with subject-matter clinical experts within GSK to formulate research questions. • Identifying, accessing and managing suitable data sources to facilitate application of target trial emulation techniques to address those questions. • Leading production of written communications including: executive summaries, internal GSK reports, scientific papers to be submitted for publication • Developing and delivering training in trial emulation within GSK. • Giving presentations internally within GSK and at scientific conferences. • Establishing relationships with GSK teams and external regulators to disseminate and advocate for emulated trial methods. • Generating templates for trial emulation protocols, statistical analysis plans, and analysis code files for future trial emulations within GSK. • Responsible for organising, scheduling, and setting the agenda for monthly team meetings, and chairing a Project Advisory Group. • Organize documentation throughout the project, including maintaining the risk register and benefit log, ethical approvals, study protocols, statistical analysis plans. • Demonstrate continuous professional development by acquiring relevant skills and competencies e.g. planning and attending relevant training, and keeping up to date with changes in procedures/regulations. • Managing the flow of project information between the teams at GSK and LSHTM.

<u>Generic duties and responsibilities</u>

This job description reflects the present requirements of the post but may be altered at any time in the future as duties and responsibilities change and/or develop providing there is consultation with the post-holder.

The post-holder will carry out any other duties, tasks or responsibilities as reasonably requested by the line manager, Dean of Faculty, Head of Department or Head of Professional Service.

The post holder will be responsible and accountable for ensuring all LSHTM policies, procedures, regulations and employment legislative requirements are

adhered to including equality and diversity and health and safety. They will also be required to follow the policies and working practices of GSK at all times.

This job description is not a definitive or exhaustive list of responsibilities but identifies the key responsibilities and tasks of the post holder. The specific objectives of the post holder will be subject to review as part of the individual Performance and Development Review (PDR).

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.

Competency	Evidence	E / D
Education, Qualifications and Training	• A PhD in biostatistics, medical statistics, data science, or a closely related subject area and/or equivalent experience of conducting independent statistical research.	E
Experience	• Experience of the development and/or assessment of statistical methodology. • Experience of independently managing and leading a project. • Experience of working collaboratively as part of a multidisciplinary team. • Experience of leading the writing of external or internal publications or reports • Experience of advocating for changes in practices, procedures, policies or methods. • Experience of analysing observational data, such as electronic health records data. • Experience of developing study protocols and statistical analysis plans. • Experience of developing and delivering training in statistical/epidemiological methods.	E E E E E D D D
Knowledge	• Strong computational skills using the R software package. • Knowledge of causal inference methodology, including the trial emulation framework. • Knowledge of the design and analysis of clinical trials.	E D D
General	• Evidence of excellent written communication skills	E

	• Excellent ability to orally communicate with a range of stakeholders, including to communicate technical content to different audiences.	E

E-Essential: Requirement without which the job could not be done
D-Desirable: Requirements that would enable the candidate to perform the job well

Salary and Conditions of Appointment

The post is fixed term for 36 months from the start date and full-time 35 hours per week, 1.0 FTE. The post is funded by a UK Knowledge Transfer Partnership Grant and is available as soon as possible. The salary will be on the Professional Services salary scale, Grade 7 in the range £51,299 to £58,723 per annum (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.