Job Description

Job title	Research Assistant (Statistician)
Department/School	Mathematical Sciences
Job family	Education and Research
Grade	6
Reporting to	Principal Investigator (PI): Dr Haiyan Zheng
Responsible for	No staff management responsibilities
Location	University of Bath premises

Background and context
We are seeking a dedicated and talented career-young researcher who is interested in medical statistics. This post offers opportunities to collaborate with UK and international clinical scientists on real-world healthcare challenges. The post is supported by funding from multiple planned and ongoing clinical trials across a range of medical areas. Consequently, the research will be strongly motivated by practical challenges in the design and analysis of clinical trials, while also offering scope for methodological innovation and theoretical development. Key responsibilities will include developing adaptive designs, conducting simulation studies, analysing clinical trial data, interpreting results to clinical scientists. There will be opportunities to contribute to peer-reviewed publications, present research findings at conferences, and engage in interdisciplinary teamwork. It is desirable for candidates to hold a MSc in statistics, data science, or a closely related field. Knowledge and experience in health data analytics, simulation, optimisation, and clinical trial designs will be an advantage. The successful candidate will join a growing research group led by Dr Haiyan Zheng at the Department of Mathematical Sciences, University of Bath. A tailored training package will be provided for the post-holder to develop their knowledge, research and career skills. This role is well suited to career-young researchers endeavouring to build strong foundations in applied and methodological statistics, to develop collaborative research skills, and to contribute to high-impact clinical studies. The department is committed to fostering a diverse and inclusive research environment. We encourage applications from candidates of all backgrounds, including women, individuals from minority ethnic groups, and those with non-standard career paths. Appointment will be made on merit.

Job purpose
The Research Assistant will support the development and application of advanced statistical methods in medical research, with a particular focus on clinical trials. The role provides an opportunity to build expertise in applied and theoretical statistics, while contributing to high-impact clinical studies. Designed as a training position, this role is a strong fit for career-young researchers aspiring to pursue a PhD, or to build a successful academic/industry career in medical statistics or a related field.

Main duties and responsibilities	
1	Assist with research by: • contributing to the development and refinement of clinical trial designs within an established programme; • performing analysis of data from ongoing and completed clinical studies; • engaging with statisticians and clinical scientists to ensure that statistical methods developed in the project are practically relevant.
2	Provide support to PI and other research staff with expertise relevant to the project.
3	Contribute to the production of research reports and publications.
4	Participate regularly in group meetings and prepare and deliver presentations to research team.
5	Assist with supervising undergraduate student projects, when needed.
6	Continually update knowledge and understanding in field or specialism to inform research activity.
7	As a member of Research Staff at the University, you will be encouraged to take up a minimum of 10 days' professional development pro rata per year. You should use this time to spend on activities that will benefit your career development and your personal growth. Examples include: attending workshops, career development coaching, mentoring, training courses, participation in networks, attending conferences, writing fellowship or funding applications, and representing the research staff community on committees or working groups. The University, as a signatory to the Concordat for the Career Development of Researchers, is committed to its principles. We aim to provide a supportive and inclusive environment, where researchers' contributions are recognised and valued, and we provide opportunities to enable research staff to develop their full potential.
	You will from time to time be required to undertake other duties of a similar nature as reasonably required by your line manager. You are required to follow all University policies and procedures at all times and take account of University guidance.

Person Specification

Criteria	Essential	Desirable
Qualifications		
Undergraduate degree (e.g. BA, BSc, BEng) in a relevant subject	√	
Master level qualification in statistics, or data science, or a closely related field.		√
Experience/Knowledge		
Relevant work experience in a related area to the project		√
Demonstrated depth and breadth of specialist knowledge of subject matter to effectively contribute to the research programme	√	
Demonstrated awareness of latest developments in the field of research	√	
Skills		
Ability to organise and prioritise own workload to meet required deadlines	√	
Ability to write research reports and to effectively disseminate outcomes	√	
Excellent verbal, interpersonal and written communication skills	√	
Highly competent in IT packages as appropriate to discipline/area of research	√	
Attributes		
Commitment to working within professional and ethical codes of conduct	√	
Innovation and developing creative solutions	√	
Self-confidence when communicating with a wide range of stakeholders	√	
Commitment to safe working practices	√	
Ability to work independently	√	
Commitment to excellence in research	√	
Ability to be an effective team worker	√	