

Job Details	
Job Title:	Lecturer in Medical Statistics
School/Dept/Institute & Centre:	SMD • Blizard • Centre for Primary Care and Public Health
Reports to:	Reader in Medical Statistics
Grade:	6 Academic Full-time or Part-time
Appointment period:	3 years
Current Location:	Whitechapel

### Job Context

The School of Medicine and Dentistry (SMD) is a significant constituent of Queen Mary University of London. It is organised into 6 separate Institutes, of which the Blizard Institute is the largest, with personnel of c550, financial turnover of c£60 million per annum; and research expenditure of over c£20 million per annum.

The Institute is organised into 6 separate Centres, which though complementary and following the Institute strategic plan, also have Centre-specific objectives and requirements.

In addition to the usual academic staff of a university, the Institute also employs a significant number of clinical academic staff who are intrinsic to the delivery of clinical practice, primarily within Barts Health NHS Trust, but also in other NHS Trusts (eg Homerton). This clinical dimension adds a significant degree of complexity, bringing with it, for example, a requirement to understand NHS workings, clinical career and training paths and GMC/medical Royal Colleges/DoH regulations and requirements in the employment and training of clinical staff.

The Pragmatic Clinical Trials Unit (PCTU) is based in the Centre for Primary Care and Public Health and linked to the Centre for Psychiatry and National Centre for Bowel Research and Surgical Innovation. The PCTU aims to be at the forefront of the science and execution of pragmatic clinical trials. We support trials and other high quality studies in primary care, community-based and mental health trials, women's health and bowel disease. We have particular expertise cluster randomised trials, trials of complex interventions and behaviour change.

The PCTU has a with a very strong statistical section, currently numbering 14 statisticians and additionally conducts methodological research particularly related to cluster randomised trials, pilot and feasibility studies, innovative trial design and best practice in the design, reporting and analysis of trials.

### Job Purpose

To contribute to the delivery of high-quality teaching, scholarship and/or research and administration by:

- Making significant research contributions to the field of pragmatic trials complementary to the overall research strategy of the Centre, Institute and School. This research will be within the Pragmatic Clinical Trials Unit based in the Centre for Health Sciences, which aims to lead, support and encourage high quality pragmatic trials and pilot studies and related methodological work.

### Job Purpose

- Teaching and the assessment of student achievement
- Contributing to the administration of these and other College activities.

A Lecturer is expected to contribute to the design of new courses or options, to research towards the advancement of the subject, and to show promise of continuing development of a scholar to perform administrative duties allocated to an acceptable standard.

### Main Duties & Responsibilities

- Obtain new knowledge by theoretical and/or practical methods. Engage actively in research at a high level in the area of clinical trials. It is expected that the majority of this research will be collaborative with those from other disciplines engaged in designing, conducting and analysing trials, but the post holder will also be expected to develop their own research in an area related to clinical trials and that supports the aims of the PCTU.
- To take overall responsibility for the statistical aspects of the trial, including conducting sample size calculations, overseeing development of the protocol and statistical analysis plan, etc
- Ensure appropriate dissemination of research by scholarly publication or other outputs appropriate to the relevant academic discipline.
- To play a role in the Centre's/Institute's regular research group meetings and seminars.
- To supervise undergraduate and postgraduate students engaged in research, and research assistants, as appropriate.
- Play a part in developing national and international research links
- Use expertise, experience and judgement to decide how to design and execute research work

### Teaching:

- The post-holder will play a role in the development, delivery, and assessment of undergraduate and postgraduate curricula, as agreed by the Centre Lead, and within the constraints of their research commitments.
- The School runs a problem-based learning programme and the post-holder may be asked to be the facilitator to small groups of students. Appropriate training will be given as necessary
- Use experience and knowledge (and an understanding of students' backgrounds and abilities) to design, deliver and assess teaching and learning

### Administration:

- Carry out such Centre or College administrative tasks as may be required by the Centre Lead, and administrative tasks as may be required by the Director of the PCTU.

To attend PCTU meetings as required, as well as those of other relevant Institute/School College committees/boards, as agreed with the Centre Lead.

### Main Duties & Responsibilities

**Other:**

- To further the Centre's academic development, and to take an active interest in the Centre's activities.
- Interact with research collaborators, in order to achieve research objectives and generate outputs (e.g. publications, presentations).

**The above list of responsibilities is not exhaustive and the jobholder may be required to undertake other duties commensurate with the level of the role, as reasonably requested by their line manager.**

**This job description sets out the duties of the post at the time it was drawn up. Such duties may vary from time to time without changing the general character of the duties or level of the responsibility entailed. Such variations are a common occurrence and cannot in themselves justify a reconsideration of the grading of the post.**

This table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements.

Requirements		Essential / Desirable	How Assessed
<b>Qualifications</b>	Postgraduate qualification medical statistics.	Essential	Application
	Fellowship of the Higher Education Academy	Desirable	Application
<b>Skills knowledge and Experience</b>	Experience of writing grant applications for research, either as chief investigator or co-applicant.	Essential	Application
	Good publication record, first author publications an advantage	Essential	Application
	Experience presenting at statistics or clinical trials conferences or seminars	Essential	Application
	Substantial experience in design and analysis of trials	Essential	A/I
	Ability to work independently and to show initiative	Essential	A/I
	Demonstrated ability to take overall responsibility for the statistical aspects of the trial, including developing the grant application, conducting sample size calculations, overseeing development of the protocol and statistical analysis plan, etc	Essential	Application Interview
	Demonstrated ability to supervise more junior members of staff, and take a leadership role on projects	Essential	Application
	Good understanding of current regulatory framework in relation to clinical trials	Desirable	Interview
	Good communication skills, written and oral including ability to convey statistical concepts to a non-statistical audience	Essential	Presentation at Interview
	Ability to teach at any level within area of expertise, and across a range of subjects at a more introductory level, and demonstrate enthusiasm and commitment in the process of teaching	Essential	Application
	Experience of mentoring and supervising research students to completion of a PhD	Desirable	Application
	Interest in clinical or research area that fits with the unit's interests	Desirable	A/I

**Essential/Desirable:**

E = Essential: Requirements without which the job could not be done.

D = Desirable: Requirements that would enable the candidate to perform the job well.

**How Assessed:**

A = Application

I = Interview

OM = Other Means (e.g. presentation, test, etc.)

# Job Profile

## Job Description

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Job Title:	Senior Lecturer in Medical Statistics	
School/Dept/Institute & Centre:	SMD • Blizard • Centre for Primary Care and Public Health	
Reports to:	Reader in Medical Statistics	
Grade:	7 Academic	Full-time or Part-time
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### Job Purpose

To contribute to the delivery of high-quality research and teaching in a manner that goes beyond that expected of a lecturer, by sustained contribution in research, and to a lesser extent in teaching and administration:

- To undertake high level research in the field of pragmatic clinical trials, both through collaboration with researchers supported by the PCTU and leading methodological research relevant to the aims of the PCTU.

### Job Purpose

- To contribute to the organisation, delivery and assessment of teaching of undergraduate and graduate students in the School within the constraints of their research agenda and other commitments.
- To undertake such administrative, managerial, and other duties as are reasonably to be expected of a senior member of academic staff.

A Senior Lecturer is expected to be strong in teaching and in research and may also be strong in administration.

### Main Duties & Responsibilities

- To acquire resources and financial support for research programmes linked with the PCTU that are complementary to the overall research strategy of the Centre, Institute and the School. It is expected that the majority of this research will be collaborative with those from other disciplines engaged in designing, conducting and analysing trials. Involvement in the design of projects and in research to underpin excellent design is fundamental to this job.
- In particular to work on PCTU's behalf with Professor Charles Knowles at the National Bowel Research Centre, QMUL, to develop collaborative research ideas and acquire financial support for research.
- To give advice on study design through the east London Research Design Service.
- To develop their own research in an area related to clinical trials that supports the aims of the PCTU
- To develop national and international research links, and a high profile in the methodology of clinical trials, eg by attending and presenting at national and international conferences, and to foster collaboration.
- To publish research results using well-regarded means, such as high impact factor peer-reviewed academic journals, reputable publishers, and conference proceedings.
- To play a significant role in the Centre's/Institute's regular research group meetings and seminars.
- To supervise undergraduate and postgraduate students engaged in research, postdoctoral research workers and research assistants, as appropriate.
- Provide expert advice and subject leadership including Research supervision.
- Represent QM/School in the subject community externally
- Submit, singly or jointly with colleagues, proposals to funding bodies (including research councils, government departments, private sector and public sector collaborators) for the financial support of research and manage those grants as appropriate.

### Teaching:

- The postholder will play a role in the development, delivery, and assessment of undergraduate and postgraduate curricula, as agreed by the Centre Lead, and within the constraints of their research commitments.

### Administration:

- To take responsibility for particular areas of administration within the PCTU as agreed with the PCTU director.

### Main Duties & Responsibilities

- To attend PCTU meetings as required, as well as those of other relevant Institute/School College committees/boards, as agreed with the Centre Lead.
- To line-manage junior staff as required.

### Other:

- To demonstrate leadership in the Centre's research, particularly in relation to research conducted by the PCTU.
- To further the Centre's academic development, and to take an active interest in the Centre's activities.

**The above list of responsibilities is not exhaustive and the jobholder may be required to undertake other duties commensurate with the level of the role, as reasonably requested by their line manager.**

**This job description sets out the duties of the post at the time it was drawn up. Such duties may vary from time to time without changing the general character of the duties or level of the responsibility entailed. Such variations are a common occurrence and cannot in themselves justify a reconsideration of the grading of the post.**

This table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements.

Requirements		Essential / Desirable	How Assessed
<b>Qualifications</b>	Post graduate qualification in medical statistics.	Essential	Application
	Fellowship of the Higher Education Academy	Desirable	Application
<b>Knowledge, skills and Experience</b>	Substantial publication record with multiple first author publications	Essential	Application
	Experience presenting at statistics or clinical trials conferences	Essential	Application
	Have successfully obtained peer-reviewed grant funding for research, either as chief investigator or co-applicant.	Essential	Application
	Substantial experience in design and analysis of trials	Essential	A/I
	Demonstrate the ability to carry out their own research	Essential	A/I
	Demonstrated ability to take overall responsibility for the statistical aspects of the trial, including developing the grant application, conducting sample size calculations, overseeing development of the protocol and statistical analysis plan, etc	Essential	A/I
	Demonstrated ability to supervise more junior members of staff, and take a leadership role on projects	Essential	Application
	Good understanding of current regulatory framework in relation to clinical trials	Desirable	Interview
	Good communication skills, written and oral including ability to convey statistical concepts to a non-statistical audience	Essential	Presentation at Interview
	Ability to teach at any level within area of expertise, and across a range of subjects at a more introductory level, and demonstrate enthusiasm and commitment in the process of teaching	Essential	Application
Experience of mentoring and supervising research students to completion of a PhD	Desirable	Application	
Interest in clinical or research area that fits with the unit's interests	Desirable	A/I	
High level analytical capability	Essential	Interview	

### Essential/Desirable:

E = Essential: Requirements without which the job could not be done.

D = Desirable: Requirements that would enable the candidate to perform the job well.

### How Assessed:

A = Application

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OM = Other Means (e.g. presentation, test, etc.)