Job Description

Job Title:	Research Fellow in Medical Statistics
School/Service:	School of Health
Grade:	Grade H (£33,230 - £38,522) Starting salary unlikely to exceed £33,230
Contract:	Full Time (1.0 FTE), Fixed Term Contract – 1 Year
Responsible to:	Director of the Lancashire Clinical Trials Unit, and the Head of School of Health R&D Manager (BTH) and Head of Research & Innovation (LTHTR) Research and Development, Clinical Research Centre, BTH and Research Directorate and Clinical Studies Centre, LTHTR
Responsible for:	N/A
Reference Number:	REQ000591
Closing Date:	Sunday 3rd March 2013

Job Purpose: To develop and deliver a statistical consultancy service for researchers within Blackpool Teaching and Lancashire Teaching Hospitals Trusts. The post holder will be based within the Lancashire Clinical Trials Unit (LCTU) in the School of Health but will work with the Research & Development teams in the Trusts to support investigators in designing their trials and other research and service evaluation studies, delivering a randomisation service (where appropriate), advising and supporting on data management, performing statistical analysis and helping prepare reports for publications. The post holder will be required to support those Trust staff new to research and in need of statistical support. In addition, the Research Fellow will develop and deliver training to Trust staff, particularly those new to research, on all statistical aspects of research.

Main Duties and Responsibilities:

1. To provide advice on design and analysis of quantitative studies researchers throughout both Trusts.

2. Act as a consultant on statistics for research and service evaluations at the planning, analysis, interpretation, reporting and publication stages.

3. To develop and deliver high-quality and innovative education in quantitative research methods and statistics to health researchers.

4. Choose and apply appropriate statistical analysis techniques (using appropriate software, including SPSS and Stata), interpret the results in practical terms and provide reports to the researchers as required.

5. To undertake research and scholarly activity in statistics appropriate to LCTU and the Trust's interests.

6. To contribute to and support the School of Health's submission to the Research Excellence Framework (REF).

7. Explain and translate complex statistical ideas to language that can be understood by non-statisticians.

8. Provide general advice and assistance to Trust staff on the planning, execution and analysis of quantitative research studies e.g. randomised controlled trials in order to promote research of high scientific and ethical standards.

9. Provide quality assurance checks on statistical documents before they are sent to researchers.

10. To perform critical review of proposed study protocols, publications and study reports.

11. Persuade researchers to adopt appropriate statistical techniques.

12. Advise Trust R&D leads on information / data issues and contribute to research meetings such as the Trust Departmental and R&D Committees.

13. Run regular Statistical Clinics for researchers at both Trusts.

14. Provide sample-size estimates, randomisation and data management service for researchers.

15. Prioritise own workload, balancing input to both Trusts (using, for instance, an auditable booking system for consultancy session appointments), and encourage researchers to work to time frames.

16. Maintain the security, integrity and confidentiality of all patient identifiable data.

17. Provide input into statistical Standard Operating Procedures (SOPs).

18. Have an awareness of the NHS R&D environment nationally, regionally and within both Trusts.

19. Collaborate with researchers across the School of Health and in other organisations, including the Clinical Research Hub at Lancaster University, liaising with the NIHR Research Design Service for the North West where appropriate, for planning and developing research proposals for external funding.

Person Specification

Job Title:	Research Fellow in Medical Statistics	
School/Service:	School of Health	
Grade:	Grade H (£33,230 - £38,522) Starting salary unlikely to exceed £33,230	

Attributes	Essential	Desirable	Measured By
Work Experience	Working experience of research	Experience of working in the NHS	Application form, interview
	Experience in working with professionals from health-related disciplines (e.g. health, medicine, nursing, psychology)	Experience in epidemiology	Application form, interview
	Experience in applied statistics consultancy	Teaching/supervising undergraduate students, postgraduate students and/or post-experiential learners	Application form, interview
	Has produced written research report(s) involving mathematical and/or statistical modelling techniques	Experience of peer review of research proposals or papers	Application form, interview
Education/ Qualifications	MSc in medical statistics, epidemiology, statistics (with medical statistics options) or related subject	PhD in statistics, medical statistics or related subject	Application form
	Royal Statistical Society Graduate or Chartered Statistician (GradStat or CStat) status.	ICH GCP within the last 2 years	Application form
		Higher education teaching qualification (or willingness to undertake University teaching qualification on appointment	Application form and interview
	Planning and organisational skills	Scientific leadership potential	Application form, interview
Skills/ Abilities	Written/report writing skills	Production of peer reviewed publications and/or conference posters presentations	Application form, interview
	Ability to write successful research funding bids	Ability to write successful research funding bids	Application form
	Communicate effectively (orally and in writing) with different professional groups and with different levels of research experience	Ability to perform research conference presentations	Application form, interview

	Excellent listening skills		Interview
	Good personnel management skills (i.e. people skills)		Application form, interview
	Excellent time management skills, including the ability to multi-task and the ability to meet deadlines		Application form, interview
	Ability to use / learn a range of statistical packages (e.g. SPSS, Minitab, R, Stata, StatsDirect)	Computer programming skills.	Application form, interview
	Data management skills	Ability to use Microsoft Access.	Application form, interview
	Ability to use core Microsoft Office software (Word, Excel)		Application form, interview
	Ability to synthesise quantitative information effectively		Application form, interview
	Flair for integrating methodological knowledge into applied research design		Interview
	Teaching skills	Openness to a variety of teaching approaches	Application form, interview
	Ability to work according to Standard Operating Procedures		Application form, interview
	Enthusiastic and self-motivated		Interview
Other	Able to work collaboratively and independently, as appropriate		Application form, interview
	Knowledge and understanding of scientific methods underpinning research		Application form, interview
	Ability to travel between multiple work sites (including UCLan Preston Campus and Lancashire Teaching Hospital and Blackpool Teaching Hospital sites)		Application form, interview
	Willingness to show commitment to the University's Mission Statement		Interview