University of Nottingham
UK | CHINA | MALAYSIA

Role profile

Job title	Medical Statistician	Job family and level	Research & Teaching, Level 4a/4 depending on skills and experience
School/ Department	School of Medicine, Nottingham Clinical Trials Unit (NCTU)	Location	Nottingham Clinical Trials Unit, University Park

Purpose of role

To provide statistical input into NCTU's portfolio of high quality clinical trials of national and international relevance. You will contribute to the design, on-going monitoring and conduct, analysis and dissemination of clinical trials according to regulatory guidelines and NCTU/sponsor Standard Operating Procedures. You will also develop research interests within NCTU's programme of trials methodology research, and contribute to delivery of research methods training courses offered by the unit.

The NCTU is a UK Clinical Research Collaboration registered Clinical Trials Unit (https://www.ukcrc-ctu.org.uk/) based in the School of Medicine at the University of Nottingham. The unit's mission is to conduct high quality, high impact multicentre trials to improve health and well-being.

NCTU has a broad portfolio of trials including studies evaluating medical devices, CTIMPs and complex interventions. The unit currently has around 50 staff, and with the recent investment of strategic development funding from the University this is anticipated to expand to 100 staff over the next 3-5 years

For further information see: http://www.nottingham.ac.uk/nctu/index.aspx

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	**% time per year**
1	To provide statistical input to a range of clinical trials, such as: • Statistical contributions to trial protocols • Development of statistical analysis plans (SAPs) • Development of corresponding 'dummy' tables • Development of statistical programs to create analysis datasets, and produce tables, figures and listings • Independent validation of primary and key secondary &/or complex outcomes and statistical analyses • Input to and review of data management documents • Production of programs to facilitate central statistical monitoring	70%

	• Preparation of reports for independent oversight committees (e.g. Trial Steering Committees (TSCs) and Data Monitoring Committees (DMCs) • Membership of individual trial management groups • Interim and final statistical analysis of clinical trial data • Drafting the statistical component of trial reports • Contributing to scientific publications including protocols, SAPs, main and subsidiary papers • Contributing to responses to journals on statistical issues raised • Contributing to the supportive environment of the CTU statistical team such as participating in monthly team meetings and the journal club	
2	Contribute to study design and set-up by: • Statistical and broader (when applicable) contributions to grant applications • Identifying and implementing appropriate statistical methodology • Performing sample size and power calculations where appropriate • Reviewing methods for data collection (e.g. electronic data collection forms, database specifications, validation checks) • Reviewing protocols and associated trial documentation • Responding to statistical issues raised	20%
3	• Contribute to the development and conduct of methodological Studies Within A Trial (SWATs) • Contribute to training and educational events organised by the NCTU • Contribute to (and lead where appropriate) the production of conference abstracts and presentations • Develop research interests and contribute to trials methodology research within the NCTU	10%
4	• Any other duties appropriate to the grade and level of the role • We recognise the importance of continuous professional development and therefore the importance of providing opportunities, structured support and encouragement to engage in professional development each year	

Person specification

	Essential	Desirable
Skills	▪ Familiarity with (Level 4a) / excellent programming skills in (Level 4) statistical analysis software such as Stata and/or SAS ▪ Excellent MS office software skills (Level 4a and 4) ▪ Training (Level 4a) and skills (Level 4) in the application of medical statistics to clinical trials ▪ Understanding of ethical issues in clinical research (Level 4 only)	• Familiar with other appropriate packages e.g. S-plus, R, NQuery, PASS
Knowledge and experience	• Familiarity with (Level 4a) / good knowledge of (Level 4) the principles of clinical trials and methods of analyses. • Experience of the planning and conduct of the statistical analysis and interpretation of clinical trial data (Level 4 only). ▪ Evidence of practical involvement in statistical aspects of design, conduct, monitoring, analysis and reporting of randomised trials using quality assured management systems (Level 4 only).	• Previous experience of working to standards that meet MHRA Good Clinical Practice Guidelines (Level 4 only) • Evidence of collaborative working in the field of medical statistics and clinical trials including an appropriate track record of peer reviewed publications (Level 4 only) • Experience of working with trial oversight committees (DMCs and TSCs) Level 4 only • Experience of mentoring other statisticians (Level 4 only)
Qualifications, certification and training (relevant to role)	MSc (Level 4a) and/or PhD (Level 4) in Medical Statistics or equivalent, and/or research experience in a clinical trials environment	
Other	▪ Excellent oral/written communication skills ▪ Excellent organisational skills ▪ Ability to work both independently and as part of a multidisciplinary team ▪ Ability to work with minimal supervision (where appropriate) ▪ Willingness to adopt the vision and values of the School of Medicine	

The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

The School of Medicine holds a Silver Athena SWAN award in recognition of our achievements in promoting and advancing these principles. Please see http://www.nottingham.ac.uk/medicine/about/athena-swan.aspx

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

Valuing people	Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
Taking ownership	Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
Forward thinking	Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
Professional pride	Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
Always inclusive	Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others