

THE UNIVERSITY OF MANCHESTER
PARTICULARS OF APPOINTMENT
FACULTY OF BIOLOGY, MEDICINE & HEALTH
SCHOOL OF HEALTH SCIENCES

DIVISION OF POPULATION HEALTH, HEALTH SERVICES RESEARCH AND PRIMARY CARE

NIHR INTERNSHIP IN MEDICAL STATISTICS

VACANCY REF: BMH-025607

Salary: Grade 5: £30,487 per annum
Hours: 35 hours per week (1 FTE)
Duration: Fixed Term For 8 weeks
Location: Oxford Road

Enquiries about the vacancy, shortlisting and interviews:

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Introduction to the University of Manchester and the Faculty of Biology, Medicine and Health

The University of Manchester is the largest single-site university in the UK with around 38,000 students and more than 11,000 staff. We aim to become one of the top 25 research universities in the world and are committed to delivering an outstanding teaching and learning experience; contributing to the social and economic success of local, national and international communities; producing the highest calibre graduates; and developing our staff to be amongst the very best of their peers.

To achieve our ambitious goals we aim to attract and retain the very best people to work across a range of academic disciplines and support functions.

The Faculty of Biology, Medicine and Health

The integrated structure of our faculty enables a truly translational approach to biology, medicine and health - from pure discovery science through to clinical application and patient care. It also encourages collaborative working, enabling staff to deliver innovative, world-leading research that has a very real and positive impact on people's lives, as well as high-quality education and training to over 11,000 undergraduate and postgraduate students.

Our Strategic Partnerships

The faculty has established a number of key strategic partnerships that underpin its ambitions to develop ground-breaking research.

Working alongside six local NHS Trusts, the Faculty is a key member of the <https://mft.nhs.uk/withington/research/manchester-academic-health-science-centre-mahsc/> - a federation of equal partners that unites leading healthcare providers with world-class academics and researchers. It aims to be a global centre for the delivery of applied health research and education and provide leadership for our local and regional health systems.

We also play a leading role in <https://healthinnovationmanchester.com/>, which was launched in September 2015, as part of the UK Government's decision to devolve health and social care responsibilities to Greater Manchester. HInM offers a unique opportunity to bring together health and social care, academic and life science related business resources across the region to deliver an innovative health ecosystem that can help accelerate innovation into our local health and social care systems, enhance our global scientific standing and act as a magnet for inward investment.

Key partnerships in the charitable sector include Cancer Research UK; Diabetes UK; and the Wellcome Trust; and the faculty also has research and funding links to a number of commercial organisations including Unilever, AstraZeneca, GlaxoSmithKline and Boots, who help us to bring new drugs and products to the market.

Working for the University of Manchester

The University of Manchester strives to make our community a welcoming, caring and enthusiastic one, fuelling ambition with opportunities and support to help us all achieve our personal and professional goals.

Our diverse job opportunities include an attractive <https://www.staffnet.manchester.ac.uk/people-and-od/benefit/> with family-friendly policies that provide for flexible working. We care deeply about career and personal development, offering a structured induction programme for new staff, an annual performance and development review, staff training for all career stages and mentoring opportunities to support your career development.

We have a genuine commitment to <http://www.manchester.ac.uk/connect/jobs/equality-diversity/awards/> for our staff and students, and are proud to employ a workforce that reflects the diverse community we serve.

As a global institution, situated at the heart of a lively, <http://www.manchester.ac.uk/study/experience/student-life/city/>, we welcome applicants of all nationalities. To help international job applicants plan for life in the UK, we have put together some useful <http://www.staffnet.manchester.ac.uk/employment/joining-the-university/international-staff/> travel to the UK, accommodation and a number of other practical considerations.

The Centre for Biostatistics

The Centre for Biostatistics at Manchester has developed an international reputation for innovative statistical research, excellent teaching and interdisciplinary collaboration since its inception as the Biostatistics Group in 1997.

The Centre is the professional focus for all medical statisticians within the Faculty of Biology, Medicine and Health. It holds half-yearly, half-day public seminars as well as monthly seminars and journal club.

Underpinning all our work in collaborative clinical and healthcare research is a vibrant programme of MRC- and NIHR-funded methodological research that is primarily focused on modern approaches to inference. These methodological developments have application in the interpretation of routinely collected medical records (as in e-Health), designed epidemiological studies and randomised clinical trials, with a focus on the development of personalised (stratified) health care.

Other areas of strength include the design and analysis of randomised trials; complex statistical modelling including high-dimensional biomarker data; and genetic epidemiology.

Members of the Centre are investigators in the [MRC North West Hub for Trials Methodology Research](#) the [MRC Health e-Research Centre](#) and the [Farr Institute](#)

Job Purpose

Applications are invited for a summer internship at the University of Manchester, funded by the National Institute for Health Research (NIHR) and aimed at individuals interested in a career in medical statistics.

NIHR Internships are aimed at the brightest undergraduates (e.g. in mathematics and/or statistics) for the summer and might ideally suit 2nd and 3rd year undergraduate students and students having recently graduated in Mathematics, Statistics or a closely related field with a strong quantitative component.

The internship is full time and available for a period of 8 weeks between July and September 2024, although specific dates can be agreed with the successful candidate. The internship will allow the intern to gain practical experience of the work of a statistician working in medical research in the academic and clinical sectors, whilst developing their understanding of statistical methods used in medical research.

The successful candidate will be able to demonstrate an excellent academic record, the ability to work as part of a team, good organisational skills and knowledge of statistical software such as Stata or R.

The internship will be based at The University of Manchester on Oxford Road, Manchester and hosted by the Centre for Biostatistics, School of Health Sciences. The intern will be supervised by Dr Ashma Krishan (Research Fellow) and Dr Chris Sutton (Senior Lecturer in Clinical Trial Statistics). Please note that accommodation will not be provided for this position.

The successful candidate is expected to be based in Manchester. Limited budget is available to support accommodation and/or travel expenses.

Key Task and Activities

- To undertake academic and professional training in biostatistics and statistical computing such as regression methods in Stata/R
- To undertake a research project and write a scientific report on their work
- To attend project meetings with the Chief Investigator and research team

- To actively read relevant scientific and academic literature
- To attend seminars and meetings organised by the Centre for Biostatistics

PERSON SPECIFICATION

Essential Attributes

Excellent academic record:

- On track to achieve a good (2:1 or above) honours degree or equivalent in mathematics, statistics or a scientific subject with a substantial mathematical or statistical content
- Commitment to developing a career in medical statistics in the public sector
- Excellent communication skills in English, both oral and written
- Ability to work independently and collaboratively as part of a team
- Self-motivation and initiative
- Good organisational and time management skills
- Enthusiasm to learn and develop
- Willingness to perform a wide range of tasks as directed and as required.

Desirable Attributes

- Ability to present in both written and oral presentations
- Experience of using statistical software such as Stata or R
- Knowledge of statistical inference and modelling
- Knowledge of clinical trial methodology