THE UNIVERSITY OF MANCHESTER

PARTICULARS OF APPOINTMENT

FACULTY OF BIOLOGY, MEDICINE AND HEALTH

SCHOOL OF MEDICAL SCIENCES

DIVISION OF CARDIOVASCULAR SCIENCES

LECTURER IN CARDIOVASCULAR SCIENCES (2 POSTS)

VACANCY REF: BMH-015975

Salary: £36,914 to £51,034 per annum depending on relevant experience

Hours: 1 FTE

Duration: Permanent starting as soon as possible

Location: Oxford Road, Manchester

Responsible to: Head of Division, Division of Cardiovascular Sciences

Enquiries about the vacancy, shortlisting and interviews:
To arrange an informal discussion with the Head of Division (Dr. Elly Cartwright) please contact Caroline Price via email at caroline.a.price@manchester.ac.uk

Overview of the post
We are seeking to appoint two full-time Lecturers in Cardiovascular Sciences.

This fantastic opportunity arises from the University’s commitment and ambition to become a future British Heart Foundation Centre of Research Excellence. The post holders will become part of the team driving this strategic goal, by developing and leading research programmes to expand and deliver research within our major areas of cardiovascular research, including integrative cardiac physiology and heart failure; hypertension and its complications; and genetics of cardiovascular disease. We are committed, through the award of our British Heart Foundation Accelerator Award, to developing a collaborative cardiovascular research community in Manchester, involving basic biological and clinical scientists, medical and allied health professionals, physical scientists and humanities scholars.

You will be expected to conduct high quality, REF returnable research that attracts external funding; develop productive local, national and international research collaborations; promote, develop and conduct interdisciplinary research; publish in high quality journals; substantially
contribute to teaching and assessment; provide academic and operational leadership; and help deliver the strategic goals of the Division of Cardiovascular Sciences.

**Division of Cardiovascular Sciences**

The Division of Cardiovascular Sciences comprises over 30 principal investigators - clinicians and basic scientists with national and international reputations in their respective fields. Together we work to translate our understanding of the cellular, molecular and genetic processes underlying cardiovascular disease into improved clinical treatments and patient care.

Our key drivers are

- To produce world-leading research outputs that lead to patient benefit – with major focus on cardiac physiology and heart failure; hypertension and its complications; human genetics of cardiovascular disease
- To provide the highest quality research training and teaching for postgraduate and undergraduate students, to develop the next generation of basic and clinical scientists and equip them with the skills to conduct integrative research.

The scale and success of our research can be seen in:

- Current major personal awards and grant funding from the British Heart Foundation, NIHR, Stroke Association, MRC, Department of Health, BBSRC and Kidney Research UK.
- A £1 million BHF award to accelerate our interdisciplinary science to world-leading status through the [BHF Research Accelerator in Integrative Physiology](#)
- Highly successful and prestigious [BHF 4-year PhD programme](#)
- An established Masters programme in Cardiovascular Health and Disease
- BHF infrastructure award for an MRI scanner central to the BHF Manchester Centre for Heart and Lung Magnetic Resonance
- Flourishing NIHR Academic Clinical Fellowship and Academic Clinical Lectureship programmes

Our basic science research labs are based on the main university campus in our core facilities, known as the Biomedical Corridor, which comprises the Core Technology Facility (CTF), AV Hill and Smith Buildings. This means you will be immersed in a thriving environment consisting of contiguous, flexible lab space, state-of-the-art equipment, conferencing facilities and dedicated write-up areas.

Our clinical research and practice is conducted at the adjacent Manchester NHS Foundation Trust (MFT), the University Hospital of South Manchester and Salford Royal NHS Foundation Trust. These close connections with our hospital bases provide an integrated and stimulating research environment. With a population of 3.5 million people in the catchment area of the city's major cardiac centre at MFT, and with the Greater Manchester population suffering disproportionately from heart and circulatory disease, Manchester is an ideal and essential place to conduct cardiovascular research including large scale patient-based investigations.

**Introduction to the University of Manchester and the Faculty of Biology, Medicine and Health (FBMH)**

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 are committed to expanding our world-leading research,
and exploiting our capability for interdisciplinary research; transforming the way our students learn

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 is comparable in size to a medium-sized UK university. Thirty undergraduate and 90 postgraduate programmes offer our students opportunities to develop the skills and knowledge they need for a successful career.

The Faculty has an integrated structure, developed to deliver its key research and innovation goals (I) to undertake world-class discovery science, (II) to develop new approaches to prevention and early detection of disease, and (III) to develop the next generation of person-centred therapies. This structure facilitates interdisciplinary working and enables us to learn from each other and share best practice, articulate our research strengths, drive large-scale, collaborative research activities and strengthen relationships with our research and healthcare partners. The integration of discovery biology, clinical application and patient care within a single Faculty, particularly in a region with notable health inequality, provides us with a real opportunity to have a very significant and positive impact on people’s lives.

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 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. Cardiovascular research is a pillar of MAHSC, which applies discovery and translational science, and excellence in clinical care, to improve life expectancy for patients with cardiovascular disease in Greater Manchester.

Key partnerships in the charitable sector include British Heart Foundation; 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 will 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 benefits package 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 equality of opportunity 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, culturally diverse city, we welcome applicants of all nationalities. To help international job applicants plan for life in the UK, we have put together some useful information on passports and visas, travel to the UK, accommodation and a number of other practical considerations.

JOB DESCRIPTION

You will contribute to research and teaching, working collegially with other academics in the Division, and the wider University.

The successful candidate will have autonomy to develop their research programme. During the four-year probation period, this will be supported by a probation supervisor and mentor.

The role

• You will lead a personal research programme in an aspect of cardiovascular science that will relate to and enhance the research activities of the University of Manchester and the Manchester Academic Health Science Centre.

• You will be a member of the Division of Cardiovascular Sciences (DCVS). The Division has a long standing reputation for excellence in cardiovascular basic discovery science. Our excellent clinical links mean that we can develop opportunities for the translation of this research. Our major areas of research focus on integrative cardiac physiology and heart failure; hypertension and its complications; and human genetics of cardiovascular disease.

• You will build your research programme around the pre-existing strengths and the particular opportunities of Manchester. Within this remit, a broad range of interests can be accommodated.

• You will take advantage of the excellent opportunities for interdisciplinary research in Manchester. Cardiovascular researchers at The University of Manchester have recently been recognised by the British Heart Foundation for research excellence and have received a BHF Accelerator award to further develop a collaborative cardiovascular research community, involving basic biological and clinical scientists, physical scientists and humanities scholars.

• You will make an equitable contribution to undergraduate and postgraduate teaching.

• You will undertake administrative and leadership roles, as required.

Key responsibilities

Research

• Develop and lead a competitive programme of externally-funded research work.

• Contribute to the University’s overall research performance by publishing in high quality journals.

• Contribute to the Division’s research activity and the pursuit of the University’s research objectives through collaboration and grant submissions.

• Develop productive national and international research collaborations and partnerships to further the acquisition of new knowledge in cardiovascular sciences.
Supervise and support postgraduate research students.

Promote and maintain links with industry, business, the professions or the community that are of value to the University.

Education

Promote excellence in teaching and directly teach and mentor undergraduate and postgraduate bioscience and medical students for the University.

Provide pastoral support for undergraduate and postgraduate students.

Seek ways to develop and improve your own teaching performance.

Management

Support the Division by undertaking delegated administrative responsibilities and other duties following consultation.

Participate as a full member of the Division through meetings, events, etc.

Advise upon and contribute to the development of academic staff in areas of novel approaches applicable to your area of expertise.

Demonstrate a commitment to Equality, Diversity and Inclusion policies and activities, and support the development and delivery of related initiatives.

PERSON SPECIFICATION

Essential:

A PhD qualification, or equivalent, in a subject relevant to the role.

Excellent track record of publications, commensurate with career stage, and a record of recent publication of original research.

A commitment to developing and maintaining an original programme of externally funded research.

Success in obtaining funding for research. Having the capability of developing and leading new research areas and generating funding from the charitable sector, research councils and industry.

Ability to conduct a programme of independent research.

Ability to apply specialist skills in cardiovascular research autonomously.

Ability to work collaboratively and as part of a team.

Ability to supervise and support PhD students effectively.

Enthusiasm and commitment to deliver high quality education to students at undergraduate and postgraduate level.

Excellent communication skills and the capacity to work within a close-knit group of Principal Investigators.