Develop the experimental skills for a career in cardiovascular research

This programme gives you the chance to work as an integral member of an active research group, contributing meaningfully to ongoing cardiovascular research in Birmingham and giving you a real insight into how this research is conducted. It is an excellent opportunity to develop the necessary experimental and research skills to provide a platform for your career in biomedical research, and also qualifies you to go on to study for a PhD in this research area.

WHY CHOOSE BIRMINGHAM?

- Gain in-depth knowledge of the field and practical experience working as part of leading research groups in the Centre for Cardiovascular Sciences
- Be part of a leading cardiovascular research group carrying out novel research
- Access our state-of-the-art facilities in the Institute of Biomedical Research, the Wellcome Trust Clinical Research Unit, the Queen Elizabeth Hospital Birmingham and Birmingham City Hospital
- Build the skills to design and plan experimental programmes and develop an understanding of a wide range of modern experimental techniques
Cardiovascular Science
MRes

Core modules
- Research Methods (Distance Learning)
- Cardiovascular Biology
- Cardiovascular Practical Skills Toolkit
- Research Project

More about the course
During the course you will investigate the molecular, physiological and pathological processes underlying cardiovascular homeostasis in health and disease. In your first semester you will undertake three taught modules to ensure that you have a basic grounding of all aspects of the field and to introduce the topics and research questions on which your projects are to be based.

In the second semester, after consulting with potential supervisors you will select a seven-month, laboratory-based research project. You will then become part of a research group in the Institute of Cardiovascular Science, working full-time on your project to produce a research thesis at the end of your studies in August.

World-class learning and teaching
As a University of Birmingham student on this programme, you will have the privilege of learning from world-leading academics, practitioners and researchers, all within one of the University’s Centres of Excellence.

The Cardiovascular Biology module consists of taught lectures on core topics in Vascular Biology and Pathology, Cellular Mechanisms of Cardiovascular Science and Integrative mechanisms, supported by tutorials and journal clubs to expand your understanding, develop research questions and further develop your skills in critical analysis and presentation of research data. The Research Project is supported by regular tutorials with the programme leads. All the taught modules run within the first term of the course.

Throughout your time with us you will also have access to personal tutors who can help with both academic and welfare issues.

FACT FILE
- Start date: September
- Duration: 1 year
- Format: Full-time
- Entry requirements: 2:1 Honours degree in a life science or biomedical subject

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In addition you will have the opportunity to strengthen your CV by undertaking Home Office personal licence training and the opportunity to attend a scientific meeting.

LEARN MORE
For full module information and an online application form, please visit our dedicated web pages, or contact our programme staff with your questions.
Tel: +44 (0)121 414 6857/4515
Email: cvscience@contacts.bham.ac.uk
www.birmingham.ac.uk/mres-cardiovascular-science

For regular updates on our research, news and events, follow:
Facebook: collegemds
Twitter: @unibirm_MDS
Enhance your personal skills and professional prospects, with postgraduate study at the University of Birmingham

Postgraduate study has both an inherent and transferable value, supporting you to develop as a person, boost your career prospects and even change direction in your career.

Postgraduate study at the University of Birmingham is a chance to learn from world leaders in their fields. This guarantees you a first-class learning and teaching experience, leading to a qualification that is respected and highly regarded world over, and making you an extremely attractive prospect in a very competitive job market.

Supporting you to achieve a challenging and rewarding career

As a postgraduate student you are likely to have specific requirements when it comes to planning for your next career step. Our Careers Network offers a range of events and support services designed to help you maximise your employability:

- from networking opportunities and career coaching workshops, to our effective-careers-strategy toolkit and one-to-one guidance.
- We also offer subject-specific careers consultants and advisers for each college and a dedicated careers website for international students.

‘Doing an MRes was a perfect way of putting myself in the role of a researcher, while still receiving teaching to guide the development of my project.’

ALEXANDRA DE PRENDERGAST, MRes Cardiovascular Science

POSTGRADUATE OPEN DAYS

Come and speak to us about our courses at our Postgraduate Open Days on our beautiful campus. Find out more www.birmingham.ac.uk/pgopenday

COLLEGE GRADUATE SCHOOL

The College Graduate School undertakes the vital roles of providing you with support, advice, and information, as well as training and funding opportunities. Find out more www.birmingham.ac.uk/mds-graduate-school

This leaflet was written several months in advance of the start of the academic year. It is intended to provide prospective students with a general picture of the programmes and courses offered by the School. Please note that not all programmes or all courses are offered every year. Also, because our research is constantly exploring new areas and directions of study some courses may be dropped and new ones offered in their place.