

Job description

UNIVERSITY OF BIRMINGHAM College of Medicine and Health

Academic Clinical Lecturer in Vascular Surgery

Post Title	NIHR Academic Clinical Lecturer in Vascular Surgery. NIHR priority theme of Multiple Long Term Conditions
Organisation Advertising Description	College of Medicine and Health
Post Number	107223
Full Time/Part Time	Full Time
Duration of post	Maximum of 4 years or obtaining CCT, whichever is sooner. There will be 50% time protected for research throughout the programme.
Grade/Level	Clinical. Must hold a current NTN (ST3 or above)/ Must have a higher research degree (PhD, MD or equivalent). All candidates must have submitted their final thesis to be eligible to apply and must have been fully awarded their higher degree in order to be able to take up the post. The deadline for post take up is 1 Sept 2026.
Salary	NHS Salary
Terms and Conditions	Clinical lecturer

Job Summary

The Clinical Lectureship in Vascular Surgery will be based within the College of Medicine and Health, University of Birmingham. The applicant must have experience in the diagnosis and management of patients with vascular disease.

The successful applicant will receive comprehensive training in all aspects of vascular and endovascular surgery and vascular trauma as part of the specialty training. Applicants must have a firm commitment to a career in academic vascular surgery. The research focus will be on clinical aspects of vascular disease, which can be accommodated within the programme through the extensive expertise in the College of Medicine and Health, the scope of which is outlined below. Opportunities will be available to participate and lead in laboratory-based or bioinformatics-based research programmes, as well as multi-centre clinical studies that are either ongoing or under development. Applicants will work closely with Mr Maciej Juszcak (Consultant Vascular Surgeon and Clinical Academic), Mr

Matthew Popplewell (Clinical Academic and Consultant Vascular Surgeon) and Professor Alok Tiwari (Consultant Vascular Surgeon and Clinical Academic).

Description of the research component of the programme

Long-term conditions are an increasing priority for the NHS as rising life expectancy is accompanied by multimorbidity, frailty, and increasing burden of chronic disease. Vascular pathology contributes substantially to this burden: peripheral arterial disease, aortic disease (aneurysms, dissections), and extra-cranial carotid disease drive preventable morbidity and mortality through cardiovascular events. High-quality vascular care therefore depends on robust pathways for early diagnosis, risk-factor optimisation, timely intervention, and effective long-term surveillance.

The University of Birmingham is a leading centre for cardiovascular research, supported by major funders including the British Heart Foundation (BHF), the Medical Research Council (MRC), and the National Institute for Health and Care Research (NIHR). The Academic Clinical Lecturer will be embedded in a multidisciplinary environment spanning Medicine, Biology, Engineering, and Data Science, with support to develop an independent, clinically relevant translational research programme.

This is strengthened by Birmingham Health Partners (BHP), a strategic alliance comprising the University of Birmingham, Aston University, five major NHS partners, and the West Midlands Academic Health Science Network. The ecosystem provides access to large-scale health data and analytics capability (including the West Midlands Secure Data Environment and Research Data UK), alongside established research delivery infrastructure and methodological support through the Birmingham Clinical Trials Unit, the Birmingham Surgical Trials Consortium (BiSTC), and the Birmingham Centre for Observational and Prospective Studies (BiCOPS).

Close collaboration across the Department of Cardiovascular Sciences, the Department of Inflammation and Ageing, the Department of Cancer and Genomics, and the Department of Applied Health Research supports projects in vascular biology, therapeutics, biomarkers, and implementation research addressing key unmet needs in cardiovascular disease.

A multidisciplinary, inter-institute group – including Prof Georgios Gkoutos, Prof Andreas Karwath, Dr Mark Thomas, and Mr Maciej Juszcak – provides support for work in big data and Artificial Intelligence (AI), including Natural Language Processing, Computer Vision, Machine Learning, and Deep Learning. Current programmes focus on early detection, risk stratification, and management of aortic disease, including acute aortic syndromes, aneurysmal disease, and occlusive disease.

Within the Department of Cardiovascular Sciences, trainees can work with a multidisciplinary team including Prof Alok Tiwari, Mr Maciej Juszcak, Prof Asif Iqbal, Prof Steve Watson, Prof Ed Rainger, and Prof Roy Bicknell on projects spanning ischaemia–reperfusion injury, novel biomarkers, and therapeutic targets. The Department of Inflammation and Ageing offers expertise in mechanistic studies of ageing (Prof Andy Clark, Dr Thomas Jackson), alongside structural imaging and complex body composition analysis, and clinical perioperative research in prehabilitation, frailty, postoperative delirium, and cognitive impairment (Prof Fang Gao-Smith, Prof Babu Naidu, Mr Maciej Juszcak).

Ongoing programmes investigating cognitive impairment in patients with aortic disease, led by Mr Maciej Juszcak (Inflammation and Ageing) and Prof Ali Mazaheri (School of Psychology), are

expanding, with additional collaboration from the Department of Cancer and Genomics (Prof Jason Parsons) and the School of Computer Science (Hamid Dehghani). These themes have a strong track record of attracting competitive funding from the MRC, Wellcome Trust, BHF, and NIHR.

The Academic Clinical Lecturer will also benefit from the West Midlands Research and Innovation Consortium (VaRICS), supporting collaborative research delivery across the region, and will be expected to contribute actively to regional collaborative activity. Emerging infrastructure includes the Birmingham Health Innovation Campus (BHIC) and the Precision Health Technologies Accelerator (PHTA), providing space for collaboration, access to trials expertise and health data, and links with academic and clinical leaders.

The Academic Clinical Lecturer will be offered facilities and support to establish their research programme in Birmingham, with strong encouragement to secure external funding during the course of the lectureship.

Clinical Programme

The West Midlands Vascular Surgery programme offers a comprehensive surgical education with extensive hands-on operating experience. As one of the largest deaneries in the country, it serves a diverse patient population, allowing post holders to encounter a wide range of vascular conditions, including paediatric and trauma. Over the course of the programme, post holders can expect to cover the full breadth of the vascular surgery curriculum, with opportunities for focused sub-specialist training, depending on their interests.

The programme is designed with flexibility in mind, accommodating the individual progress and stage of the applicant. The post structure will be split between 50% clinical duties and 50% academic research. Clinical rotations are supernumerary and will primarily take place at University Hospitals Birmingham NHS Foundation Trust with possible rotations through other Trusts to maximise trainee's exposure. Training needs and personal development goals will be carefully considered, with options for either rotating in weekly blocks of clinical experience and dedicated research time, or a monthly split between research and clinical duties.

The post holder will also contribute to clinical audit, postgraduate medical education, and management tasks, with strong support from the clinical team for academic pursuits.

Teaching Responsibilities

The Department of Cardiovascular Sciences delivers essential teaching in the field of Vascular Surgery to medical and master's students as well as Continuous Professional Development (CPD) courses. We would expect the successful applicant to support teaching in Vascular Surgery to MBChB students and to deliver occasional specialist lectures on masters and CPD courses. This will enable students and health care professionals the opportunity to gain a higher level qualification and allows the trainee to meaningfully contribute to postgraduate education.

Job Plan

The job plan for the Clinical Lecturer will be set up to protect 50% of the Lecturer's time for academic purposes, including academic training, as well as providing maximal clinical experience. The post holder will be expected to attend regular training days as appropriate.

Publications, presentations and grant applications

The post-holder will contribute to a range of ongoing translational and clinical research within the University and aim to publish in high-impact journals. They will also receive help in securing funding towards increasing independence and personal fellowships by the end of the ACL period.

Academic Lead for the Vascular ACL programme

Informal queries and questions are welcome. Please contact the Vascular Academic Lead Mr Maciej Juszcak (m.juszcak@bham.ac.uk) to arrange a Zoom call or meeting.

Academic Lead (University) for the IAT Programme

Professor Kristien Boelaert, IAT Lead, University of Birmingham (k.boelaert@bham.ac.uk).

Procedure for application

Potential applicants may discuss this appointment with Maciej Juszcak (m.juszcak@bham.ac.uk) and/or Professor Alok Tiwari (a.tiwari@bham.ac.uk). Those shortlisted for interview are encouraged to visit the University of Birmingham Medical School to see the facilities and discuss relevant issues with Clinical and Academic staff.

Person Specification

This person specification should be used in conjunction with a person specification for assessment of clinical competences.

	ESSENTIAL	DESIRABLE
ELIGIBILITY	<p>Evidence of achievement of Foundation competences or equivalent.</p> <p>Evidence of achievement of Core Surgery competences or equivalent: candidate must be at ST3 or above.</p> <p>Must hold a higher degree (MD, PhD or equivalent) in a relevant subject area .</p> <p>Evidence of good progress in clinical training and that completion of specialty training* may be accommodated either during or after the 4 year period of the CL post</p>	<p>Evidence of commitment to specialty.</p> <p>Intercalated honours degree and/or additional qualifications e.g. MSc etc.</p>
KNOWLEDGE & ACHIEVEMENTS	<p>Demonstration of acquisition of the level of knowledge and skills necessary for the achievement of Foundation and clinical (matched to the entry level) competencies or equivalent.</p> <p>Demonstration of the potential for scientific independence and the ability to lead a research team.</p> <p>Potential to become a leader in chosen field.</p>	<p>Knowledge of the centre hosting the research and how this is best placed to support the research, education and training needs.</p> <p>Prizes or distinctions.</p> <p>Presentation of work at a national or international meeting.</p> <p>Significant publications in peer reviewed journals.</p>
EDUCATIONAL & PERSONAL ASPECTS	<p>Demonstration of understanding, and commitment to, an academic career.</p> <p>Indication of medium and long-term career goals.</p> <p>Demonstration of educational reasons for applying for the Clinical Lectureship Programme.</p>	

	ESSENTIAL	DESIRABLE
PROFESSIONAL SKILLS	Evidence of team working skills. Evidence of leadership potential.	

* All candidates should have submitted their final thesis to be eligible to apply and must have been fully awarded their higher degree in order to be able to take up the post (prior to 01 Sep 2026).