NHS
Cambridge
University Hospitals
NHS Foundation Trust

UNIVERSITY OF CAMBRIDGE

Academic Clinical Fellowship

In

Cardiology

(ST4)

One post

Entry: August 2027

Job title	Academic Clinical Fellow in Cardiology
Post(s)	ACF-2027-14-011 – Multiple Long Term Conditions Post 1 – Clinical Oncology OR Cardiology OR Geriatric Medicine Three NIHR-funded posts
NIHR Priority Research Theme	Post **ACF-2027-14-011** has been awarded under the research theme **Multiple Long Term Conditions**. The appointee will be expected to develop a research programme in that theme area.

These posts will attract an Academic National Training Number – NTN(a)

Duration and Outcome

This post will be appointed at ST4 level and is funded for three years. The principal aim of the ACF scheme is to allow academically gifted clinical trainees the opportunity for 25% protected research training and during that time to formulate and submit an application for an externally funded Research Training Fellowship (RTF) (e.g. Medical Research Council, Wellcome Trust, British Heart Foundation). If candidates are unsuccessful in obtaining funding for an RTF/PhD, they can transfer into non-ACF ST3+ posts and pursue full-time clinical sub-specialty training. It is anticipated that all successful ACFs completing RTFs would be in a strong position to compete for Clinical Lecturer posts following award of their higher research degree, as per the Integrated Academic Training programme.

NHS Organisation(s) in which training will take place

Addenbrooke's Hospital, Cambridge University Hospital NHS Foundation Trust. Clinical placements will be organised in a rotation involving some of the 17 participating hospitals in the East of England training programme, with specialist clinical placements in Cambridge or across the region.

Research Institution(s) in which training will take place

University of Cambridge and Cambridge University Hospital NHS Foundation Trust.

Day release or block release for protected research time?

It is anticipated that the successful applicant will be available for research on a block basis (e.g. 3-9 months durations) comprising 25% WTE over three years. This will be subject to negotiation.

Description of the Research Component

Prior to starting the fellowship, the successful candidate should discuss and agree their specific area of research. During the course of the fellowship, the fellow will be expected to design, undertake and complete a discrete research study under supervision. The ultimate aim of the fellowship is to provide training and experience in research methodology to equip the fellow with the necessary skills to pursue a career in Academic Cardiology.

Therefore, whichever specific research topic is chosen, academic supervision will be provided by a representative from the School of Clinical Medicine with regard to research methods training and academic career pathways. The Fellow will undergo basic training within the University, including courses on medical statistics, including use of common data analysis software, paper writing, grant applications, literature searches etc.

Description of research in University Division of Cardiovascular Medicine

Professor Martin Bennett, Professor Ziad Mallat, Professor James Rudd, Professor Sanjay Sinha, Professor Murray Clarke, Associate Professor Helle Jørgensen, Professor Xuan Li, Dr Emma Yu, Dr Meritxell Nus, Dr Jason Tarkin (https://www.med.cam.ac.uk/cardiovascular-medicine-2/).

Our predominant research theme is vascular biology, and in particular the development and progression of atherosclerosis leading to both heart attack and stroke, the identification of vulnerable atherosclerotic plaques using clinical intravascular and non-invasive imaging and *in vivo* models, and the use of cardiovascular stem cells to model disease, for regenerative medicine and for drug screening (http://www.cardiovascular.cam.ac.uk). We span the whole spectrum of laboratory and clinical research activity from cell and molecular biology through transgenic and other models to clinical imaging and therapeutic studies in heart failure and ischaemic heart disease. We comprise some 60 research and support staff including clinical and non-clinical Professors, Senior Research Fellows, lecturers, postdoctoral research associate, technicians, students and administrative staff, all supported by peer-reviewed external grants, mostly from the British Heart Foundation (BHF) and The Wellcome Trust. We direct a University-wide Interdisciplinary Research Centre in Cardiovascular Research, a BHF Centre for Research Excellence, and a Cardiovascular 4-year PhD programme (www.cardiovascular.cam.ac.uk). We work closely with cardiovascular researchers in other divisions, (see below), and clinical investigators at Papworth Hospital where some ACFs are based. The majority of our ACFs undertake a PhD within the Division on a RTF, and we offer excellent research training opportunities for both clinical and non-clinical PhD students.

Research Environment

We occupy state of the art laboratories within the new Heart and Lung Institute or Stem Cell Institute, with clinical studies undertaken in dedicated clinical research units or within Cambridge University Hospital or Royal Papworth Hospital.

Description of the Clinical Training Component

The East Anglia Cardiology training scheme includes Royal Papworth Hospital as the hub, the other major university teaching hospitals being Addenbrooke's in Cambridge and the Norfolk and Norwich University Hospital. The SpRs training days scheme has been redesigned offering 8 regional training days, themed around all the cardiac subspecialties, mapping to the most recent cardiology curriculum. These provide a useful opportunity for trainees from around the region to meet, and trainees consistently rate the training days as excellent. In addition, we actively encourage and support our SpRs to attend both the National Training Days, organized through British Cardiac Society twice a year, training days at the Royal Society of Medicine. An overview of Cardiology training can be found at https://heeoe.hee.nhs.uk/medicine/higher-specialty-programmes/cardiology/clinical-training/training-overview.

Description of the Clinical Department.
Cambridge University Hospitals is the major teaching hospital for Cambridge University, with 14 Consultant Cardiologists (9 NHS, 5 Academic). The Hospital houses extensive non-invasive cardiovascular clinical research facilities, including CT, MRI, PET, and nuclear imaging, together with a dedicated angiography and pacing laboratory.

Papworth Hospital is the Regional Cardiothoracic Centre for the East of England with 20 Consultant Cardiologists based at the hospital, plus joint appointments and several visiting Consultants with sessions on site. There are well established and expanding links with our neighbouring District General Hospitals, including Cambridge University Hospitals NHS Foundation Trust and the Department of Medicine in the Clinical School. Papworth houses a full range of facilities for non-invasive and invasive investigations is available. These include 5 angiography suites, the latest devoted to electrophysiology with advanced mapping. Other imaging modalities include trans-thoracic, trans-oesophageal, stress,3D and intra-cardiac echocardiography. There is a dedicated nuclear medicine department.

Further Information and Contacts

Clinical Academic Training Office (CATO) at the University of Cambridge

CATO Director	Professor Alasdair Coles Email: ajc1020@medschl.cam.ac.uk
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NIHR	http://www.nihr.ac.uk/IAT