ACADEMIC CLINICAL FELLOWSHIP in
CLINICAL PHARMACOLOGY AND THERAPEUTICS CT1/CT2
ADDENBROOKE’S HOSPITAL, CAMBRIDGE

This Core Medical Training post will be appointed at CT1/CT2 level and provide funding for up to three years. The principal aim of the ACF scheme is to allow academically gifted clinical trainees the opportunity for 25% protected research training alongside completion of CMT and during that time to formulate and submit an application for an externally funded Research training Fellowship (RTF) (e.g. MRC, Wellcome Trust, BHF). If candidates are unsuccessful in obtaining funding for a 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. These posts will attract a NTN(A).

This ACF post has been awarded under the research theme ‘Therapeutics or Clinical Pharmacology’. The appointee will be expected to develop a research programme in the theme area.

Locality
The Cambridge ACF programme in General Medicine Specialties is based at Addenbrooke’s Hospital, Cambridge University Hospital NHS Foundation Trust, but includes opportunities to rotate to GIM and sub-specialty CT1/2 posts at Papworth Hospital, Hinchingbrooke Hospital and the West Suffolk Hospital.

Aims of the Academic Clinical Fellowship
The main aim of this post is to allow individuals to be exposed to academic environments and research techniques that would inform their choice of subsequent full time research training and provide the senior academic input needed to support the submission of an externally funded RTF. As such, the research components are not constrained except that they must fall under the theme ‘Therapeutics or Clinical Pharmacology’. For example, an individual may wish to undertake an initial project involving basic molecular and cell biology followed by periods undertaking translational and/or patient based studies. Alternatively, an individual may be interested in exploring different research techniques and/or wish to spend their entire research time working in a single research area. It is anticipated that all Medical ACFs will rotate into research in 3 month blocks spread throughout the 3 years, with at least one spent working with the proposed supervisor for the RTF. This would allow time to undertake preliminary studies in support of the RTF and time for background reading and preparation of a RTF application.

Clinical component
ACFs would participate in the normal CT1/2 CMT programme for 9 months in each year and rotate through a balanced set of GIM/sub-specialty CMT training posts. The choice, blend and sequence of jobs would be overseen by Dr T Burton (ST1/2 CMT Clinical Lead) and Dr A Floto and be designed to allow exposure to the principal sub-specialist area of interest but also to include a broad portfolio of jobs capable of delivering CMT, including a 3-6 month placement in a DGH. These posts would be
indistinguishable from the mainstream CT1/2 CMT posts and involve normal pro-rata on-call commitments, medical take/post take rounds and night cover.

The Clinical Programme Director is Dr Tim Burton

**Academic Component**
Medical ACFs will rotate into three periods of research (in 3 month blocks) spread over the 3 years, with at least one period spent working with the proposed supervisor for the anticipated RTF. This would allow time to undertake preliminary studies in support of the RTF and time for background reading and preparation of a RTF application. ACFs will also have the opportunity to register for a taught MPhil in Clinical Science (Translational Medicine and Therapeutics) (usually spread over two years), and attend relevant scientific talks and meetings during their fellowship.

ACFs are encouraged to explore the possibility of research attachments and subsequent PhD projects with Principal Investigators (PIs) from the Department of Medicine (www.med.cam.ac.uk), the Cambridge Institute for Medical Research (www.cimr.cam.ac.uk), the Institute for Metabolic Science (www.ims.cam.ac.uk), other departments within the Schools of Clinical Medicine (www.medschl.cam.ac.uk) and Biological Sciences (www.bio.cam.ac.uk) and within affiliated Institutes such as the MRC Laboratory of Molecular Biology (www2.mrc-lmb.cam.ac.uk), the CRUK Cambridge Research Institute (www.cambridgecancer.org.uk), The Babraham Institute (www.babraham.ac.uk) and the Wellcome Trust Sanger Institute (www.sanger.ac.uk).

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**Clinical Pharmacology & Therapeutics**
Dr KM O'Shaughnessy, Dr AP Davenport, Dr IB Wilkinson

The Clinical Pharmacology Division was established in 1985. We were the first example in the University of NHS funding for academic developments. In 1998 we moved into our purpose-built clinical and basic science laboratories in the Addenbrooke’s Centre for Clinical Investigation, funded by the BHF and an MRC Technology Foresite grant (joint with Cardiovascular Medicine and Neurosurgery). Although our work is mainly academic, we have been strong protagonists of translational research long before this became a common buzzword. Many of our research outputs have been translated rapidly into improving practices, mainly in hypertension, where both diagnosis and treatment has been transformed by our AB/CD rule, and use of plasma renin as a routine test in most patients. Members of the Clinical Pharmacology Unit hold senior positions in the British Hypertension Society and British Pharmacological Society. We give equal weight to the clinical and non-clinical members of the Unit, encouraging the clinicians to learn basic science skills, and the scientists to take part in patient-orientated research.

Most of the research relates to cardiovascular disease including hypertension, arterial stiffness, genetics of sodium handling and action on the circulation of G-protein coupled receptors. As well as research and clinical work, the Unit undertakes teaching of undergraduates and training of junior doctors in Clinical Pharmacology and Therapeutics.

We have taken the lead in creating programmes of dual training in CPT. There may be an opportunity to undertake GMC approved dual training in Medical Oncology in the future.

**Dual training with Medical Oncology**
Oncology research on campus occurs within the program structure of the CR UK Cambridge Centre (http://crukcambridgecentre.org.uk/). The CRUK Cambridge Centre is a dynamic collaboration of
researchers, clinicians, and the pharmaceutical and biotech industries based in the Cambridge area. We combine world-class science and technology with excellent patient care to pioneer new ways to prevent, detect and treat cancer. By working together across different disciplines, we are breaking down the barriers between the laboratory and the clinic, enabling patients to benefit from the latest innovations in cancer science.

The Cambridge Cancer Centre is one of three CRUK Centres to achieve designation as a Major Centre. The Centre is a vital research hub for the Cancer Research UK centre network, drawing together expertise, encouraging collaborative research, and bridging the gap between innovative laboratory work and patient benefit. The combination of scientific excellence across a range of disciplines within the University, the high concentration of world-class biomedical laboratories, and the high quality of clinical practice at Addenbrooke’s Hospital ensures Cambridge is leading innovative cancer research. Academic training lead and training programme director for Medical Oncology is Dr Simon Pacey.

IMPORTANT: Applicants cannot apply for dual training unless prospectively approved. Applicants wishing to apply with a view to dual training should contact Dr Kevin O’Shaughnessy kmo22@medschl.cam.ac.uk to discuss, before an application is submitted.

For further information please contact:

 Clinical Pharmacology & Therapeutics:
Academic Lead and Training Programme Director
Dr Kevin O’Shaughnessy kmo22@medschl.cam.ac.uk

 Core Medicine:
ACF Programme Director – Professor Andres Floto arf27@cam.ac.uk
Clinical Programme Director is Dr Tim Burton timothy.burton@addenbrookes.nhs.uk

Further details can be obtained from the website of the National Coordinating Centre for Research Capacity Development (NCCRD)
NIHR website

Health Education East of England, 2-4 Victoria House, Capital Park, Fulbourn, Cambridge, CB21 5XB.
recruitment.eoe@hee.nhs.uk