NHS
Cambridge
University Hospitals
NHS Foundation Trust

UNIVERSITY OF CAMBRIDGE

# Academic Clinical Fellowship

In

# Clinical Radiology

(ST1)

One post

Entry: August 2027

**Job title** Academic Clinical Fellow in Clinical Radiology

**Post(s)** ACF-2027-14-006 – Response Mode Post 6 – Clinical Radiology

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

## Duration and Outcome

This post will be appointed at ST1 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 for Academic Component of the ACF.

Clinical placements will be organised in a rotation involving some of the 17 hospitals in the East of England School of Radiology training programme with specialist clinical placements in Cambridge. The structure of the ACF will be organised and agreed by the Training Programme Director, Academic Supervisor and the successful appointee.

## Research Institution(s) in which training will take place

University of Cambridge (Department of Radiology) and Cambridge University Hospital NHS Foundation Trust. Depending on the specific research, projects may be pursued at one of a number of other research institutes on the Cambridge Biomedical Research Campus (Addenbrooke's Hospital). The academic supervisor will be allocated when the research project has been identified.

## Day release or block release for protected research time?

Day release.

## Description of the Research Component

Prior to starting the fellowship, the successful candidate should discuss and agree their specific area of research, in an area of Clinical Radiology. During the course of the fellowship, the fellow will be expected to design, undertake and complete a discrete clinical study under supervision. The ultimate aim of the fellowship is to provide training and experience in clinical research methodology to equip the fellow with the necessary skills to pursue a career in Academic Clinical Radiology. Therefore, whichever specific research topic is chosen, supervision will be provided by a representative of the University Department of Clinical Radiology 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.

The combined University/NHS Radiology Department based on the Addenbrooke's site in Cambridge is amongst the most research active Radiology Departments in the UK. The Head of the University Department of Radiology is Prof Ferdia Gallagher. The Programme Director for Radiology is Dr Philipp Riede. The Director for Academic Research Training in Radiology is Dr Tristan Barrett. The research interests within the department can be broadly be divided into those which follow the research aims of the Cambridge Biomedical Campus as a whole and those more specific to members of the department. There are extremely close research links with a broad range of departments across Medicine and Surgery. There are particularly close links with Neuroscience and Oncology. The university Department of Radiology has a strong research focus both for primary imaging-led research as well as collaborative projects. Research by members of the department is also strong. This has often led to significant change in medical practice: magnetic resonance of the breast, US guided neck lump biopsies and CT of cerebral perfusion are three examples. There is considerable research activity in multidetector CT, ultrasound, MRI and PET-CT which covers most aspects of clinical imaging. We are also developing new molecular imaging techniques with the aim of translating these into human use. We have recently acquired PET/MRI and a 7T MR system.

## Description of the Clinical Training Component

Addenbrooke's Hospital, Cambridge and Norfolk and Norwich Hospitals host the Training Programme. The programme for 52 Specialist Registrars (StRs) and 2 Clinical Lecturers is organised by the Heads and Deputy Heads of Training in collaboration with the NHS Departments of Radiology (Directors Dr. Helen Addley & Dr. Stuart Williams) and the RCR Regional Specialty Adviser.

There is an Addenbrooke's Radiological Education Committee, chaired by the Director of the Training Programme, and an equivalent Committee in Norwich. Regional Specialty Adviser, the Head of Academic Training or Director of the NHS Radiology Department, the Educational

Supervisors and an StR representative form the committee. These Committees meet at six-weekly intervals and address the more immediate matters relating to training.

The present programme is currently arranged as follows but will be adjusted in line with the needs of the on-going programme expansion. There are some variations in details between the Cambridge and Norwich arms of the rotation:

**Year 1**

The first year training programme for new recruits (usually 4-6 per annum) provides a lecture course for the new-style Part I FRCR exam in basic physics for Radiology. Radiological Anatomy, Radiography and Physics lectures are continued from September to April. There is extensive supervised experience in various parts of the Department when trainees are shown how to perform practical procedures by the Consultant responsible for that particular section of the Department. There is no on-call during the first year, until the candidate has been successful in both the Part I FRCR examination, and achieved a sufficient level of experience to offer the front line of a specialist service. The StRs sit with consultants on reporting sessions where Part I aspects of plain film will be emphasized. At Addenbrooke's, 1st year StRs also attend the daily morning teaching sessions.

**Year 2-4**

During years 2 to 4 there is a more comprehensive series of attachments with the various radiological sub-specialties (in line with the RCR Documents on Structured Training). There is a designated attachment at Papworth Hospital for training in Cardiothoracic Radiology (usually in Year 3). There is a rolling 2-year programme of lectures to cover the six modalities that form the basis of the Part 2A FRCR exam. These take place on Wednesday afternoons. There is also an extensive programme of tutorials 7+ per week. In Years 3 and 4, the StRs are expected to be sitting Part 2A and 2B FRCR.

**Years 5 (and 6)**

In years 5 (and 6) there are further opportunities to develop sub-specialty interest and there is extensive choice open to each individual StR in line with the RCR Documents on Higher and Sub-specialty Training. Attendance and participation at the various clinico-radiological meetings is expected at this stage. Attachments at other centres are also encouraged. There is a Fellows' Club for those who have passed Part II FRCR, which discusses management issues, job opportunities, interview techniques, etc.

**Year 6 StRs**

Because of the complexity of certain radiological procedures, and in line with EC legislation, it is accepted that it is necessary to extend the training programme by one year in some sub-

specialties (neuroradiology, interventional radiology and nuclear medicine). Subspecialty options are also available in cardiothoracic radiology, breast radiology and cross-sectional imaging)

**Regional expansion of Programme**

With the increasing number of StRs being recruited to Radiology the training programme is being continually adjusted to provide trainees with the excellent training and facilities available at the district general hospitals within the Region. Details of the programme are adjusted according to new developments and availability of suitable placements

**Other Aspects of Training**

Educational facilities for StRs within the Department include designated training rooms (equipped with computers, Medline, internet access) in both the NHS and University Departments.

There are regular audit meetings, which discuss completed and ongoing audit projects. All StRs are expected to participate and there are numerous sources of help. In the past Addenbrooke's has attracted a steady stream of distinguished speakers from other hospitals within the UK and abroad who have featured on the Wednesday Departmental Forum programme.

**Management Experience & Training**

Years 4 & 5 StRs have the opportunity to participate in the regular departmental meetings, which include decisions on strategy, purchasing, personnel, etc. Training in management is also given at the various District General Hospitals. The senior StR with responsibility for administration attends the Departmental Section Heads' meeting and liaises on a day-to-day basis with the Director.

**Tutors/Mentors**

Although we have always encouraged informal discussions between junior and senior staff, we have adopted the tutorial role as the official primary line of referral. These educational supervisors, together with the Regional Postgraduate Adviser, review the progress of StRs in accordance with the advice from the College and the Postgraduate Dean. In particular, the assessments at the end of each attachment are reviewed. The results of assessments are discussed by both the local Education Committee and by the Regional Radiological Specialty training Committee. Both the annual and attachment assessments are conducted openly and are read and signed by the StRs.

A mentor system has also been introduced to provide additional support to trainees.

ACFs will be mentored by the Head of Academic Training.

## Further Information and Contacts

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

| | |
|---|---|
| **CATO Director** | Professor Alasdair Coles<br>Email: ajc1020@medschl.cam.ac.uk |
| **ACF Programme Director** | Dr Virginia Newcombe<br>Email: vfjn2@cam.ac.uk |
| **Academic Training Lead** | Dr Tristan Barrett<br>Email: tb507@medschl.cam.ac.uk |

### Other Contacts

| | |
|---|---|
| **Training Programme Director** | Dr Philipp Riede<br>Email: philipp.riede@nhs.net |
| **NHS England East of England** | 2-4 Victoria House, Capital Park, Fulbourn, Cambridge, CB21 5XB<br>Email: england.recruitment.eoe@nhs.net |
| **NIHR** | http://www.nihr.ac.uk/IAT |