NHS
Cambridge
University Hospitals
NHS Foundation Trust

UNIVERSITY OF CAMBRIDGE

Academic Clinical Fellowship

In

Renal Medicine

(ST4)

One post

Entry: August 2027

Job title	Academic Clinical Fellow in Renal Medicine
Post(s)	ACF-2027-14-009 – Prevention and Public Health Post 1 – Infectious Diseases OR Obstetrics and Gynaecology OR Renal Medicine
NIHR Priority Research Theme	Post **ACF-2027-14-009** has been awarded under the research theme **Prevention and Public Health** 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. Rotation to other hospitals in the region will be undertaken as required to fulfil training needs.

Research Institution(s) in which training will take place

University of Cambridge (Department of Medicine) 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?

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

The Division of Renal Medicine has an active research programme whose broad aim is to understand disease processes at the molecular level and apply this knowledge to clinical management. Core facilities exist to support small animal, clinical investigation, genomic and proteomic work, and the campus has superb facilities for imaging, which can be accessed by research fellows working within the Division of Renal Medicine.

The Division of Renal Medicine has a strong track record of mentoring clinical trainees, and a strong interest in multi-system autoimmune diseases, including SLE. Our research programmes aim to determine disease processes at the molecular level and in order to improve patient stratification and clinical management.

1. Prof Menna Clatworthy. (FMedSci) (http://www.med.cam.ac.uk/clatworthy/), Professor of Translational Immunology, NIHR Research Professor, Associate Faculty, Wellcome Sanger Institute, Director CITIID. She uses single cell genomics and advanced imaging technologies to understand tissue immunity (Stewart et al. ***Science*** 2019, Fitzpatrick et al. ***Nature*** 2020; Suo et al. ***Science*** 2022; Suo et al. ***Nat Biotech*** 2023).
2. Prof David Jayne (FMedSci) evaluates new immunotherapeutics in vasculitis, lupus and immune-mediated renal disease and co-ordinates the international clinical research vasculitis network (EUVAS) and multi-centre randomised controlled trials. He is also interested in the development of management guidelines and supporting genetic, gene expression and biomarker studies (McClure et al. ***Nature Reviews Rheumatology*** 2018; Gopaluni S et al. ***Arthritis & Rheumatology*** 2018; Jayne D et al. NEJM 2021)
3. Prof Eoin McKinney – Autoimmune disease, artificial intelligence, correlates gene signatures with outcome to develop prognostic biomarkers. (McKinney et al. ***Nature*** 2015, McKinney et al. ***Nat Comms*** 2021, Xhonneux et al. ***Sci Tranl Med*** 2021).
4. Prof David Thomas – Reactive oxygen species in disease. (Thomas et al. ***J Exp Med*** 2017; Randzavola et al. ***eLife*** 2022)
5. Dr Rona Smith – Clinical Lecturer in Nephrology and Experimental Medicine. Clinical trials and experimental medicine research in autoimmunity. NIHR grant holder and CI of several multi centre RCTs (PROTECT V, SIMPLIFIED, PHOSPHATE). (Smith et al. ***Ann Rheum Dis*** 2022)
6. Dr Paul Lyons (Principal Research Associate) studies immune regulation and autoimmune disease in patient cohorts, focusing on the biology of clinical outcome. (Lee, Bashford-Rogers et al. ***Nature*** 2019, Hanson et al. ***Nat Immunol*** 2024).
7. Prof John Bradley – Previous director of the NIHR Cambridge Biomedical Research Centre. His research focus is on TNF and its effects on the endothelium (Wang et al. ***Sci Reports*** 2018; Bradley et al. ***Am J Transplant*** 2020).

Trainees participate in regular journal clubs and lab meetings, where they present their work to colleagues. Cross lab working and collaboration is encouraged, and trainees are given the opportunity to present their work to at the regional Renal Research Meeting. Clinical training is designed to complement academic training with flexibility to accommodate research requirements whilst still achieving extensive clinical skills in the full range of renal and general medical conditions. Trainees are encouraged to develop sub speciality skills in clinical areas that complement their research interests, for example in Vasculitis/lupus or transplant clinics.

Our researchers are also linked to other local research facilities including:

Prof Clatworthy holds an Associate Faculty position at Wellcome Sanger Institute (https://www.sanger.ac.uk/group/clatworthy-group/).

Prof Mckinney is a Faculty member at the Cambridge Centre for AI in Medicine (https://ccaim.cam.ac.uk/eoin-mckinney/).

More information on PIs in Renal Medicine at https://www.citiid.cam.ac.uk.

Description of the Clinical Training Component

The Division of Renal Medicine, within the Department of Medicine provides outstanding opportunities for training in academic medicine.

Clinical training is supervised by the Higher Training Committee overseen by the East of England Deanery. They will carry out an Annual Review of each trainee's progress. The specific learning objectives set for each placement will be appraised at this review. The trainees will be expected to maintain a logbook of experience gained to support their learning objectives. In addition, the clinical lecturer will keep an account of teaching feed-back from students and progress in research activity which will form part of their overall annual review.

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
ACF Programme Director	Dr Virginia Newcombe Email: vfjn2@cam.ac.uk
Academic Training Lead	Professor Menna Clatworthy Email: mrc38@medschl.cam.ac.uk

Other Contacts

Training Programme Director	Dr Lisa Willcocks Email: lisa.willcocks@addenbrookes.nhs.uk
NHS England East of England	2-4 Victoria House, Capital Park, Fulbourn, Cambridge, CB21 5XB Email: england.recruitment.eoe@nhs.net
NIHR	http://www.nihr.ac.uk/IAT