

**University of Cambridge School of Clinical Medicine
Cambridge University Hospital NHS Foundation Trust**

JOB DESCRIPTION

**ACADEMIC CLINICAL FELLOW
IN NEUROLOGY**

ST3 LEVEL

Sept 2017

Job title

Academic Clinical Fellow in Neurology (dementia)

Introduction and training programme description

This NIHR-funded post provides an exciting balance of clinical and research training. It carries an academic training number - NTN(A).

The post duration is for three years starting from August 2018. During this time the fellow will spend 75% of their time in clinical training and set aside 25% of time to develop academic training and skills, and will be expected to apply for a research training fellowship in order to continue their training and register for a higher degree (PhD or MD). If unsuccessful in obtaining such funding they would transfer into non-ACF ST3+ posts and pursue full-time clinical specialty training.

Description of the research component

This ACF post has been awarded under the research theme 'Dementia'. The appointee will be expected to develop a research programme in that theme area.

Cambridge is a world class centre for Dementia Training and Research, from basic science through to clinical cohort studies and experimental therapies with first in human trials as well state of the art brain imaging. The theme is truly cross cutting and translates from the lab to clinic and back, with Principal Investigators from neurology and psychiatry as well as specialist research institutes and departments within Cambridge. This gives the Departments of Clinical Neurosciences and Neurology the flexibility to appoint the best candidates, supporting career development and sub-specialisation.

Cambridge Dementia research embraces a wide range of disciplines from protein chemistry and cellular models of disease to patient studies and novel therapeutics. The unique interaction between basic with clinical science has attracted significant investment including the establishment of an NIHR funded BRC theme in dementia; the ARUK Drug Discovery Institute; major research facilities for brain imaging; and MRC units including the Cognitive and Brain Sciences Unit, the Laboratory of Molecular Biology and the Mitochondrial Biology Group. Pharma expertise is strong on site, eg. Astra Zeneca has moved their global operation to the Addenbrooke's site.

It is anticipated that the successful applicant will be available for research on a block basis for 25% WTE, with access to research training opportunities in diverse disciplines, including molecular/cellular work looking at pathogenic pathways and novel treatments (St George Hyslop/Spillantini/Goedert/Mallucci/Rubinztstein/Klenerman/ Barker), neuroinflammation (Barker/Coles/St George Hyslop/Spillantini), biomarker development (St George Hyslop/Rowe/Aigbirhio/Barker/Klenerman), the genetic basis of disease in cohort studies (Chinnery/Rowe/Brayne/Barker), imaging using both PET, MRI, and M/EEG (Rowe/Aigbirhio/O'Brien) and cognitive neuroscience programmes

(Rowe/Robbins/Barker/O'Brien). The ACF will choose their research project(s), establishing their skills and experience in one or more areas.

Description of the clinical training component of programme

The ACF will complete at least a total of 3 years of neurology training [with 25% of time spent in academic work] from ST3 onwards. The choice, blend and sequence of jobs will be overseen by Dr Tejal Mitchell (Training Programme Director) and Prof Alasdair Coles (Academic Training Director). The ACF post and rotation will be indistinguishable from the mainstream Neurology ST posts and involve normal pro-rata on-call commitments. Neurological training in East Anglia is flexible and distributed in Addenbrooke's, Norfolk & Norwich, Queen's Romford and the National Hospital for Neurology & Neurosurgery, Queen Square. All trainees spend 12 months at Queen Square, 12-18 months at either Romford or Norwich and the remainder at Addenbrooke's Hospital. The emphasis of this post is on clinical and research training in dementia, and is therefore also integrated with the University Department of Psychiatry. A special feature of the post is an attachment to Old Age Psychiatry and/or liaison Psychiatry for up to 6 months, incorporated into training. The Cognitive Neurology firm and Cambridge Memory Clinics (encompassing the regional memory clinic and subspecialty clinics) include NHS and academic neurologists and old age psychiatrists.

The Department of Clinical Neurosciences and the Directorate of Clinical Neurosciences at Addenbrooke's Hospital

The departments are housed in a purpose-built six storey block integrated within the main hospital site, with wards for neurology, neurosurgery and neuro-oncology. The block includes its own neurosurgical theatres, recently re-furbished neurosciences intensive care unit, and an integrated functional brain imaging laboratory (Wolfson Brain Imaging Centre: WBIC). The Brain Repair Centre is closely situated on the University Forvie site. The department also provides neurological services, including in-patient referrals and/or out-patient clinics, at hospitals in Bury St Edmunds, Newmarket, Thetford, Ipswich, King's Lynn, Peterborough, Huntingdon, Papworth, Harlow and Bedford.

The neurology bed allocation of 24 is used flexibly by agreement amongst the consultant neurology staff. The catchment area has a population of approximately 2 million. The number of out-patient consultant episodes at Addenbrooke's in 2003-4 was 3116. There were 377 emergency, 229 elective and 1365 day-case admissions. The majority of neurological admissions (approximately 75%) are arranged and administered through the Programmed Investigation Unit, which allows efficient organisation and co-ordination of investigations, including electrophysiology, imaging and nerve / muscle biopsy. This work is scheduled through an out-patient facility on R3 where the academic department is also partly accommodated. An emergency neurology clinic runs daily from 8.00 am to 9.00 am, seeing GP referrals accumulated during the preceding 24 hours.

Staffing: NHS and Academic

The University Neurology unit currently comprises Professor Patrick Chinnery (Professor of Neurology), Professor James Fawcett (Merck Foundation Professor of Experimental Neurology), Professor Maria-Grazia Spillantini (Dr William Scholl Professor in Molecular Neurology), Professor Roger Barker (Professor of Neurology), Professor Stephen Sawcer, Professor James Rowe, Dr Joanne Jones, Dr Rhys Roberts and Prof Alasdair Coles.

There are 14 NHS consultants: Dr Paul Worth (Addenbrooke's and Bury St Edmunds); Dr Claire McCarthy (Addenbrooke's and King's Lynn); Dr Tracey Graves (Hinchingsbrooke and Addenbrooke's); Dr Peter Martin (Addenbrooke's and Harlow), Dr Graham Lennox (Addenbrooke's and Bury St Edmunds), Dr Paul Molyneux (Bury St Edmunds and Addenbrooke's), Dr Francesca Crawley (Addenbrooke's and Bury St Edmunds), Dr Mark Manford (Bedford and Addenbrooke's), Dr Jeremy Brown (King's Lynn and Addenbrooke's), Dr Phil Buttery (King's Lynn and Addenbrooke's), Dr John Thorpe (Peterborough and Addenbrooke's), Dr Andrew Graham (Ipswich and Addenbrooke's) and Dr Charlotte Brierley (Ipswich and Addenbrooke's); Dr Amanda Cox (Addenbrooke's).

Academic Programme Director: Prof Alasdair Coles ajc1020@medschl.cam.ac.uk

Clinical Programme Director: Dr Tejal Mitchell tnmitchell@doctors.org.uk

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

[NIHR website](#)

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Alternatively, please visit the NIHR website: <https://www.nihr.ac.uk/funding-and-support/>