

ACF Therapeutics or Clinical Pharmacology Programme Details in conjunction with the University of Liverpool

Recruitment to posts starting in August 2022

Post availability

There are two posts available in Clinical Pharmacology and Therapeutics: one with a theme of Therapeutics or Clinical Pharmacology and one with no theme.

You can apply at ST1 or ST2 level in this round of recruitment.

Please note if you are appointed at ST1 or ST2 level, you will be placed in an appropriate Internal Medicine Training track until you reach ST3 or ST4 level.

Overview

You can find generic information about Academic Clinical Fellowships in the North West plus links to the National Institute for Health Research's guidance via <https://www.nwpgmd.nhs.uk/nih-academic-clinical-fellowships-glance>

Additional details of the two posts are available from the following who would be happy to speak with prospective candidates:

Post 1: Prof Sir Munir Pirmohamed (munirp@liverpool.ac.uk)

Post 2: Prof Reecha Sofat (via Secretary: sscourt@liverpool.ac.uk)

Academic Training

We have an exceptional record in training ACFs to go onto clinical training fellowship schemes, PhDs and clinical lectureships. Many of our ACFs have progressed to successful PhD awards from NIHR, MRC and Wellcome Trust (n=8), and subsequently onto clinical lecturer (n=7) and senior lecturer (n=3) posts. The current clinical lecturers are also on a trajectory to progress to the next level.

Multimorbidity is an increasing issue amongst the UK population, compounded by an ageing demography and amplified by harms from polypharmacy. We have recently been successful in a large grant from MRC/NIHR ([Multimorbidity mechanisms and Therapeutics Research Collaborative](#); £3,769,573, March 2021), which aims to understand the mechanisms of multimorbidity using a combination of genomic and other omic datasets, and electronic health care records. Novel methodology will be utilised in the project including clustering, understand of indication-contraindication clashes, Mendelian randomisation, pharmacogenomics and knowledge graphs. The ACFs will be embedded within

this large programme which will enhance their experience; they will work in distinct but complementary areas which will also enable peer-peer support. The ACFs will also benefit from being part of a national consortium which includes UCL, Cambridge and Bristol, and place them in a great position to develop a Fellowship application. The ACFs will be able to access large datasets including CPRD and UK biobank.

The University is internationally renowned for Clinical Pharmacology and Therapeutics and for work in pharmacogenomics and drug safety. The ACFs will join an interdisciplinary team of scientists, genomic experts, clinical pharmacologists, nurses and informatics experts. The ACFs will have access to the relevant high-end equipment and datasets needed for their training.

Research Areas / Research Environment

CPT is an internationally recognised research strength in Liverpool with 170 members in the Department of Pharmacology, including 33 academic staff. Publications exceed 100/year

- Key areas:
 - Centre for Drug Safety Science
 - Wolfson Centre for Personalised Medicine
 - MRC Clinical Pharmacology Training Programme: renewed 2016 with £3m, provides without walls training with 4 major pharma companies (Novartis, UCB, Roche, Lilly).
 - Major IMI awards (including most recently ARDAT which is focusing on gene therapy www.ardat.org)
 - NIHR global research group on oral anticoagulation in Africa
 - Centre for Excellence in Infectious Disease Research
 - Centre of Excellence for Long-Acting Therapeutics
 - Different trial platforms including AGILE (Phase I/IIa adaptive trials, phase IV trials including cluster RCTs).

The CPT portfolio is enhanced by the MHRA-accredited phase I clinical research unit in the Royal Liverpool University Hospital (Director: Fitzgerald) which provides training for the ACFs in experimental medicine studies, and interaction with Industry (£1.3m from NIHR).

We host the UK Pharmacogenetics and Stratified Medicine Network which allows ACFs to network with more than 600 members. We are also undertaking projects within the UK biobank and working with Genomics England with the 100K genomes project.

Research Facilities

We have excellent research facilities – these include state-of-the-art laboratories within both the MRC Centre for Drug Safety Science, and the Wolfson Centre for Personalised Medicine. The University also has core facilities for next generation sequencing, proteomics and metabolomics. There is also access to IT facilities which allow for work with “big data” (genomics and other types of big data including electronic health records). In addition, we have the MHRA-accredited phase I clinical research unit in the Royal Liverpool University Hospital. We have extensive collaborations nationally and internationally, both clinical and non-clinical, which also allows access to state-of-art resources, expertise and technologies.

Clinical Training

You can find out more about the clinical training programmes in the North West via the following link - <https://www.nwpgmd.nhs.uk/specialty-schools>

Clinical person specifications can be found via the following link - <https://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>.

Useful Links

<https://www.oriel.nhs.uk/Web/Vacancies>

<https://www.nwpgmd.nhs.uk/nih-academic-clinical-fellowships-glance>

<https://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>

<https://www.nwpgmd.nhs.uk/specialty-schools>

<https://www.liverpool.ac.uk/drug-safety/>

<https://www.liverpool.ac.uk/north-west-england-mrc-fellowship-cpt/>

<https://www.liverpool.ac.uk/translational-medicine/staff/munir-pirmohamed/>

Last reviewed: 19 Sept 2021