# Job Description

# NIHR Academic Clinical Fellowship

# Infectious Diseases & Medical Microbiology ST1 (1 Post)

# Prevention and Public Health NIHR Theme

The University of Leeds, in partnership with NHS England North East and Yorkshire and the Leeds Teaching Hospitals NHS Trust, has developed an exciting pathway of academic clinical training opportunities.

Applications are now invited for an **Academic Clinical Fellowship in Infectious Diseases dual with Medical Microbiology at ST1 level in the Prevention and Public Health NIHR Theme.** *This is a multi-specialty vacancy, an appointment may not be made in this specialty. There will be 1 ACF post in either Infectious Diseases & Medical Microbiology or Clinical Oncology or Medical Oncology.* This new post has been created as part of the NHS England (NHSE) and National Institute for Health and Care Research (NIHR) programme of Integrated Academic Training and offers candidates a comprehensive experience of clinical academic medicine working alongside internationally renowned clinicians, researchers and undergraduate medical educators.

We are seeking highly motivated, enthusiastic individuals with the potential to excel in both their clinical and academic training and who have the ambition to be the next generation of academic clinicians.

This Academic Clinical Fellowship (ACF) programme in Infectious Diseases & Medical Microbiologywill be run by the University of Leeds, the Leeds Teaching Hospitals NHS Trust and NHS England North East and Yorkshire. Academic Clinical Fellowships (ACFs) are 3 year fixed-term national training posts. They attract an NTN(A) and trainees undertake 75% clinical and 25% academic training over the term of the post. They are employed by the NHS Trust and have an honorary contract with the University at whose Medical School their academic research is supported.

ACF trainees will join the vibrant Leeds Clinical Academic Training scheme and undertake the Research Training Programme provided by the University for which funding is provided by NIHR. They also are eligible for a £1,000 bursary per year to support research training activity (e.g. to attend academic conferences).

ACF trainees would also normally complete and submit an external funding application for a research fellowship to enable them to complete a higher degree (PhD or research MD) following the completion of their ACF fixed-term post, which would be completed as Out-of-Programme-Research (OOPR).

All Academic Clinical Fellowships are run-through posts, regardless of specialty, with the exception of ‘Medical Education’ ACFs. A trainee entering ACF at ST1 in a specialty with a Core Training period would therefore be guaranteed continued training to CCT in the eventual specialty, as long as they progress satisfactorily through both their academic and clinical training. Run-through status is withdrawn if ACFs do not complete the academic component.

# POST DETAILS

## Job Title

NIHR Academic Clinical Fellow (ACF) – Infectious Diseases dual with Medical Microbiology – Prevention and Public Health NIHR Theme

## Duration of the Post

Up to 3 years (25% academic, 75% clinical).

## Lead NHS Hospital/Trust in which training will take place

Leeds Teaching Hospitals NHS Trust – the Infectious Diseases & Medical Microbiology ACF will be based within the Department of Microbiology, Centre for Laboratory Medicine, based at St James University Hospital and will also be required to work at the Leeds General Infirmary; the post holder will also rotate to one or more local district general hospitals (see below) in order to obtain adequate clinical experience.

## Research institution in which training will take place

**Leeds Institute of Medical Research at St James’s (LIMR),** School of Medicine, University of Leeds.

## Research Protected Time:

ACFs would have day release training to attend and complete an accredited postgraduate programme in health research methodology at the University of Leeds (24 contact days plus additional private study usually completed in one year). Arrangements for research blocks or weekly research days, constituting 25% FTE academic time (and comprising a total of 9 months over the 3 year ACF post), are managed by local agreement with the academic supervisors within LIMR and clinical training programme director. This period of research will be used to obtain specific experience and knowledge in the research area of interest, obtain pilot data and apply for an external doctoral research fellowship (see below). **Please note: in the Internal Medicine Training curriculum research time cannot be taken during the Elderly Medicine or ICU Clinical training rotations.**

## Academic Clinical Fellowship Training Programme: Research Component

## The Leeds Institute of Medical Research is a research Institute (in the School of Medicine, University of Leeds) dedicated to defining the molecules involved in human diseases and using this knowledge to develop novel therapies and new drugs. The institute has bench to bedside and bedside to bench strategies, which are based upon our own multi-disciplinary research work and strong clinical interactions. By fostering research in a world-class Institute, we hope to facilitate improvements to human healthcare.

The Healthcare-Associated Infections (HCAI) group within LIMR has research areas and expertise including: (<https://tinyurl.com/HCAI-Leeds>):

* Gastrointestinal infection: C.difficile supported by expertise in human gut models ([https://tinyurl.com/C-Difficile-Models)](https://tinyurl.com/C-Difficile-Models%29)) and intra-abdominal infection (expertise: clinical trials (<https://tinyurl.com/cIAI-EXTEND>) and surgical antibiotic prophylaxis (<https://tinyurl.com/SAP-Colo>)).
* Gastrointestinal colonisation with antimicrobially resistant (AMR) bacteria (expertise- microbiomes/bioinformatics (<https://tinyurl.com/AMR-Model>))
* Transmission of gastrointestinal pathogens (expertise-Infection Prevention and Control (IPC) (<https://pubmed.ncbi.nlm.nih.gov/28961793/>))
* Diagnostics: Developing/Evaluation of novel assays (expertise-diagnostic test evaluation methodology (<https://tinyurl.com/JSMerop>)).
* AMR and antimicrobial stewardship (expertise-susceptibility testing/data analysis (<https://pubmed.ncbi.nlm.nih.gov/34048922/> and <https://pubmed.ncbi.nlm.nih.gov/39035019/>)).

Recent innovations: Mini gut models which expand experimental capacity (<https://tinyurl.com/Gut-model>). As pathogens change we respond e.g. AMR spread via wastewater, where we lead a national group in collaboration with the Healthcare Infection Society (HIS) (<https://tinyurl.com/y44v3j78>).

We are a cross-disciplinary multi-professional team including academic clinical scientists working with Engineers in Bioengineering/Fluid dynamics, Food Science, Research Methodologists, In-vitro Diagnostics companies, and Collaborations with clinicians including Colorectal surgery [https://tinyurl.com/INTACTDJ)/](https://tinyurl.com/INTACTDJ%29/) Immunology(<https://tinyurl.com/JS-ALABAMA>) and national bodies e.g. UKHSA. We sit on councils of infection societies: British Society of Antimicrobial Chemotherapy, British Infection Association and HIS.

The research group is led by Professor Wilcox, a national HCAI expert with >20 years research experience, >500 publications and membership of multiple national committees e.g. NHS England Specialty Adviser for IPC and AMR (<https://tinyurl.com/Wilcox-M>). Group members include Davis/Freeman/Kirby/Sandoe (Associate Professors) and Chilton/Mitra/Moura (Fellows). The group have a Biomedical Research Centre Antimicrobial Research Theme Award (<https://leedsbrc.nihr.ac.uk/antimicrobial-resistance-and-infection/>) and funding from NIHR/MRC, EU Innovative Medicine, US NIH/CDC and pharmaceutical contracts.

Our training environment has successfully nurtured >10 PhDs/ACFs and CLs. The ACF can generate gut model data or clinical pilot data to develop a Clinical PhD fellowship application for example studying gastrointestinal microbiomes in mini guts to understand selection of AMR in response to antibiotic selection pressure. Alternatively, the ACF can explore emerging clinical opportunities such as trials in IPC, within wastewater and AMR.

## Academic Clinical Fellowship Training Programme: Clinical Component

The post holder will enter the West Yorkshire Infectious Diseases/Medical Microbiology training programme at ST1 level.

**For ST1/IMT1 entry** ACFs will undergo internal medicine training at appropriate level co-supervised by the Yorkshire School of Postgraduate Medicine whose remit is to ensure the provision of an education of a consistent high quality across the Yorkshire Deanery, manage initial selection, subsequent allocation and appropriate placements. They will also provide induction (in collaboration with the host NHS Trust), appraisals and competence-based curriculum delivery assessments. Internal Medicine Training curriculum includes compulsory Elderly Medicine and ICU Clinical training rotations. The clinical training programme will be tailored to suit the needs of the trainee and will rotate through academic medical units where the ACFs will complete their core internal medical training and obtain MRCP. Following successful completion of clinical and academic competencies (IMT1 and IMT2) the ACF will run-through to ST3 in Infectious Diseases dual with Medical Microbiology training (**it is possible that on-call/out of hours commitments may not be available during ST3**). ACFs will remain supernumerary in Leeds while completing ST3 and will slot into a numbered post at ST4. It is highly likely that ST4 and remaining training will be based in West Yorkshire, some training may be based in East or South Yorkshire.

# CONTACTS

Academic, Educational and Clinical supervisors will be assigned following appointment to align with the individual’s needs

**Academic Lead (Microbiology)**

Dr Andrew Kirby

Centre for Laboratory Medicine, St James University Hospital, Leeds Teaching Hospitals NHS Trust

Email: andrew.kirby2@nhs.net

**Academic Lead (ID)**

Dr Fiona McGill

Centre for Laboratory Medicine, St James University Hospital, Leeds Teaching Hospitals NHS Trust

Leeds Teaching Hospitals NHS Trust

Email: f.mcgill@nhs.net

## Training Programme Director (clinical):

Dr Kate Adams

Consultant Microbiologist and ID/Medical Microbiology West Yorkshire Training Programme Director

Centre for Laboratory Medicine, St James University Hospital, Leeds Teaching Hospitals NHS Trust

Leeds Teaching Hospitals NHS Trust

Email: kate.adams11@nhs.net

## Academic Training Programme Director

Professor Phil Quirke p.quirke@leeds.ac.uk

# Further Information

Because of the nature of the work for which you are applying, this post is exempted from the provisions of Section 4 (2) of the Rehabilitation of Offenders Act 1974 by virtue of the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975.

Applicants are therefore, not entitled to withhold information about convictions, which for other purposes are “spent” under the provisions of the Act, and in the event of employment any failure to disclose such convictions could result in dismissal or disciplinary action by the University. Any information given will be strictly confidential and will be considered only in relation to an application for positions to which the Order applies.

For further information about the Academic Clinical Fellowship programme, please refer to the NIHR (National Institute for Health and Care Research) Integrated Academic Training (IAT) page on [https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm#one](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.nihr.ac.uk%2Fexplore-nihr%2Facademy-programmes%2Fintegrated-academic-training.htm&data=05%7C02%7CL.C.Wallace%40leeds.ac.uk%7C8c663698c201424df43f08dc9f4e27aa%7Cbdeaeda8c81d45ce863e5232a535b7cb%7C0%7C0%7C638560406464737503%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=Vh0hHjCu%2BIO1z4MV5dplncAHQHfHKZIZ3TvMXhU4gf0%3D&reserved=0)