# Job Description

# NIHR Academic Clinical Fellowship

# Trauma and Orthopaedic Surgery ST1 (1 Post)

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 Trauma and Orthopaedic Surgery at ST1 leve**l. *This is a multi-specialty vacancy, an appointment may not be made in this specialty. There will be 1 ACF post in either Rheumatology, Immunology or Trauma and Orthopaedic Surgery.* 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 Trauma and Orthopaedic Surgerywill 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) – Trauma and Orthopaedic Surgery

## Duration of the Post

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

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

The Trauma and Orthopaedic Surgery ACF will be based in the Leeds Teaching Hospitals NHS Trust

## Research institution in which training will take place

**Leeds Institute of Rheumatic & Musculoskeletal Medicine (LIRMM)** within the 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 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).

## Academic Clinical Fellowship Training Programme: Research Component

The Leeds Institute of Rheumatic and Musculoskeletal Medicine (LIRMM) is a world-renowned centre for research across the spectrum of rheumatic and musculoskeletal medicine and incorporates the Leeds NIHR Biomedical Research Centre (BRC). LIRMM has a highly successful track record in developing its clinical academic trainees from ACF to Clinical Lecturer and Clinician Scientist. ACFs within LIRMM will have access to excellent teaching and research opportunities. The size and diversity of research streams within our institute offers significant opportunities. The central aim of the ACF programme is to enable trainees to prepare and secure a competitive external Clinical Research Fellowship

The Section of Trauma and Orthopaedic Surgery within LIRMM has an active research portfolio which focuses on osteoarthritis, patient monitoring and outcomes, and cartilage regeneration. This includes clinical trials assessing interventions for osteoarthritis, biomechanical testing, fracture prevention and treatment and pathophysiology of cartilage and bone repair / regeneration.

The field of remote monitoring and bioactive sensors is expanding and an untapped research area with huge potential to deliver significant clinical impact. Leeds expertise in [Orthopaedics-and-Trauma-Sciences](https://medicinehealth.leeds.ac.uk/dir-record/research-groups/932/orthopaedics-and-trauma-sciences) is linked to [NIHR-Leeds-BRC-Surgical-Technologies](https://leedsbrc.nihr.ac.uk/surgical-technologies/) theme, [NIHR-HRC-Accelerated-Surgical-Care](https://hrc-surgical.nihr.ac.uk/) and the NHS [Leeds-Major-Trauma-Centre](https://www.leedsth.nhs.uk/services/leeds-major-trauma-centre/). ACF projects developing sensors in trauma and orthopaedics include wearable sensors to remotely monitor patient rehabilitation, dressing sensors to diagnose complications post knee replacement, data storage/wireless data transmission from implantable sensors, treating infection using non-antimicrobial technologies. CLs would span both basic science and clinical application establishing the role of wearable and implantable sensors in orthopaedics by developing international and industrial collaborations to bring devices into routine clinical use.

Our multi-disciplinary team comprises 2 engineering Professors, 2 trauma and orthopaedics Professors, 2 Associate Professors and research team of 17 (engineering, technology, bio-medical scientists). Leeds orthopaedics has a well-established IAT track record: 5 clinical PhDs (from ACF); 2 Associate Professors (from CL) and 1 Professor. The ACF will have full access to state of the art research facilities within LIRMM and elsewhere across the University Campus as necessary. The ACF will be expected to attend the compulsory basic research training courses organised by the University of Leeds, regular research group meetings of Leeds Orthopaedic and Trauma Sciences (LOTS) and the external speaker seminar programme. As much of the research is interdisciplinary in nature it is likely that collaboration with other Institutes within the University of Leeds, such as the Institute of Mechanical Engineering and the Faculty of Biological Sciences, may be necessary, in which case appropriate additional supervision will be arranged.

The first 12 months of the 3 year ACF training programme will concentrate on undertaking a comprehensive literature review of the area of interest, completing generic research skills courses, and acquiring basic laboratory skills for subsequent application. The subsequent 24 months will be dedicated to the chosen research project with completion of the research project with submission of an original manuscript for publication, and application for a Research Training Fellowship to undertake a PhD.

## Academic Clinical Fellowship Training Programme: Clinical Component

Leeds has a long tradition of surgical training and was one of the first to establish a School of Surgery. Twice weekly MRCS teaching session are provided at Leeds General Infirmary. The Yorkshire School of Surgery organises monthly regional teaching days covering the whole of the Core Surgical Curriculum (mapped to the ISCP) and involving simulation for technical and non-technical skills as well as a lecture programme on clinical and non-clinical topics. There is local access to (i) Basic surgical skills course, (ii) Care of the Critically Ill Surgical Patient and (iii) ATLS. The clinical training will be based in Leeds and will rotate between surgical specialities based at St. James’s University Hospital and Leeds General Infirmary. It is likely that one of the clinical rotations will be outside Leeds (but within easy travelling time) to increase clinical experience. Each post will be of 6 months duration and all posts have the flexibility to allow the ACF to attend the academic component. The surgical specialities include:

* Colorectal Surgery
* Upper GI Surgery
* Hepatobiliary & Pancreatic Surgery
* Breast & Endocrine Surgery
* Urology
* Orthopaedics and Trauma
* Paediatric Surgery

Over the three year ACF training programme the postholder will gain exposure to several general surgical sub-specialties. He/she will be expected to acquire appropriate surgical skills in both the elective and emergency settings and in line with their non-academic contemporaries. Career progression will be assessed through the annual ARCP process. The postholder should have completed the MRCS examination by the end of the ACF.

The successful applicant will run through to the T&O regional training program (Yorkshire and Humber rotation) and will rotate to other regions. The ACF will gain exposure to all areas of T&O surgery and will be expected to acquire appropriate surgical skills in both the elective and emergency settings. All trainees are expected to attend the weekly Friday afternoon teaching which is a combination of didactic lectures, case presentations, and viva practice. Teaching is based in Leeds but also occurs in the peripheral hospitals including those on the East coast. The syllabus is covered completely every 3 years. The Fitton Prize Day is held at the end of the academic year. All the registrars are given the opportunity to present their research or audit three times during their training.

Lastly, two skills courses are offered to junior registrars in both localities. At the start of ST3, a technical skills and dry bone workshop runs over six Friday afternoons and a cadaveric knee arthroscopy course is offered to all ST3s and ST4s.

# CONTACTS

## Academic Leads and Supervisors:

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Professor and Chairman within Academic Department of Trauma and Orthopaedic Surgery

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## Training Programme Director (clinical):

Miss Emma Collins

Core Surgery Training Programme Director

Consultant Endocrine Surgeon

Leeds Teaching Hospitals NHS Trust

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Mr Paul Harwood

Deputy Clinical Training Programme Director (T&O Surgery)

Consultant Trauma and Orthopaedic Surgeon

Leeds Major Trauma Centre and Limb Reconstruction Unit

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## 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 Research) Integrated Academic Training (IAT) page on

<https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm#one>