# Job Description

# NIHR Academic Clinical Fellowship

# Clinical Radiology ST3 (1 post)

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

Applications are now invited for an **Academic Clinical Fellowship in Clinical Radiology at ST3 level**. *This is a multi-specialty vacancy, an appointment may not be made in this specialty. There will be 1 ACF post in either Clinical Radiology or Vascular Surgery.* This new post has been created as part of the NHS England (NHSE) / 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 and researchers.

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 Clinical Radiology will 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) – Clinical Radiology

## 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

## Research institution in which training will take place

**Leeds Institute of Medical Research at St James’s (LIMR)**, School of Medicine, University of Leeds and other allied Institutes within the University of Leeds

## Research Protected Time:

ACFs will have access to day release for protected research training in addition to their protected time for professional training. It will be used in two ways: first, to enable attendance on an accredited postgraduate programme in health research methodology run by the Faculty of Medicine and Health, University of Leeds throughout years 1 and 2 (extra 24 contact days plus additional private study to be completed over 2 years). The remaining research time will be available through day release during the whole 3 years to undertake supervised research involving imaging, based at St James’s University Hospital, Leeds Teaching Hospitals.

## Academic Clinical Fellowship Training Programme: Research Component

Research will be based with the Departments of Radiology and Nuclear Medicine at Leeds Teaching Hospitals NHS Trust and will involve imaging research in collaboration with clinical and/or data-science/computer science disciplines. Imaging infrastructure at St James’s University Hospital includes 3 64-slice CTs, 3 MRI scanners, 2 multi-slice SPECT-CT gamma cameras and a digital PET-CT scanner. Delivery of patient focused imaging research driven by scientific evidence is intended to be at the core of research activity.

Clinically focused imaging research underpins a range of radiotherapy/imaging-based clinical trials and Artificial Intelligence (AI) research projects for two BRC Themes ([Leeds-BRC-Haematology](https://leedsbrc.nihr.ac.uk/haematology/)/[Leeds-BRC-Musculoskeletal-Disease](https://leedsbrc.nihr.ac.uk/musculoskeletal-disease/)) and [Leeds-CRUK-RadNET-Centre](https://crukradnetleeds.co.uk/). ACFs would have the opportunity to support [Leeds-CRUK-Clinical-Trials-Unit](https://medicinehealth.leeds.ac.uk/dir-record/research-groups/904/the-leeds-cruk-ctu-based-at-leeds-ctru) imaging analysis projects within haematological ([FITNEsS](https://medicinehealth.leeds.ac.uk/directories0/dir-record/research-projects/1846/fitness-myeloma-xiv)), radiotherapy ([PLATO](https://doi.org/10.1186/ISRCTN88455282), [POINTER-PC](https://www.leeds.ac.uk/news-health/news/article/5076/clinical-trial-opens-new-way-of-treating-prostate-cancer)), colorectal ([FOxTROT](https://ctru.leeds.ac.uk/foxtrot/for-patients/)) and brain tumour ([BRIOChe](https://www.cancerresearchuk.org/about-cancer/find-a-clinical-trial/a-trial-giving-radiotherapy-again-for-glioblastoma-brioche), [APPROACH](https://www.nihr.ac.uk/news/groundbreaking-brain-cancer-radiotherapy-trial-launched)) clinical trials*.*

The scope of current and future research includes the development and use of functional imaging techniques for characterisation of a range of diseases including malignancy and inflammatory conditions, development and use of imaging biomarkers for treatment planning and response assessment and their translation into routine clinical practice. Applications of potential interest include multi-parametric MRI, PET-CT, CT perfusion and image guided treatment planning using PET-CT and MRI. Further research opportunities exist for investigating emerging indications for hybrid imaging, radiomic analysis of imaging data and use of image-derived feature analysis for predictive modelling and development of artificial intelligence algorithms.

Our thriving Radiology Integrated Academic Training pipeline encompasses 7 ACF posts (2017-present), 5 progressing to PhD, 2 to post-doctoral CRUK Trials Fellowships and substantive clinical-academic posts, increasing senior academic bandwidth; and we have established industry collaborations with [Optellum](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Foptellum.com%2Fpress-release-transforming-lung-cancer-care-optellum-awarded-grant-to-advance-ai-imaging-technology%2F&data=05%7C02%7CJ.Bentley%40leeds.ac.uk%7C8fd35bfead8d4f97899108dd5e2bea2d%7Cbdeaeda8c81d45ce863e5232a535b7cb%7C0%7C0%7C638770264895124422%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=%2F17RVsKzNyfcQmC0sYQfKlxV3pEVdjcxQlmxGRRVlJI%3D&reserved=0) and [Mirada Medical](https://www.ukri.org/news/more-investment-in-cancer-projects-to-boost-life-saving-research/) focusing on developing novel imaging-related AI applications for patient benefit.

The post offers an excellent opportunity to build on research skills and develop clinical and research experience. Successful applicants will be encouraged to develop new research skills and pursue a programme of research leading to publication in peer reviewed journals presentation at international meetings and development of a doctoral research fellowship application.

## Academic Clinical Fellowship Training Programme: Clinical Component

This post is offered at ST3 level. The successful ACF will undergo core and higher-level Clinical Radiology training co-supervised by the Leeds-Bradford Training Scheme, part of the West Yorkshire School of Radiology. The remit of the Training Scheme is to ensure the provision of an education of a consistent high quality across the Health Education Yorkshire and Humber region, manage initial selection and subsequent allocation to appropriate placements. They will also provide induction (in collaboration with the host NHS Trust), delivery of workplace-based assessments in accordance with the Royal College Radiologists curriculum and contribute to joint annual review of competence progression (see below). The clinical training programme will be tailored to suit the needs of the trainee and will rotate through Clinical Radiology posts where the ACF will complete their clinical training.

The Leeds-Bradford training scheme is one of three Radiology Academies. Set up in 2005, the academies offer a hybrid training model, including one day per week teaching in the Radiology Academy, based in Leeds General Infirmary and the remaining days in clinical placement. Trainees rotate every 6 months through the subspecialties to gain core and higher-level competencies. Every Radiology subspecialty is offered in the training scheme. Clinical attachments may involve training in one of the five sites of the Leeds Teaching Hospitals NHS Trust, Bradford Royal Infirmary or in one of the smaller five neighbouring District General Hospitals (Harrogate, Airedale, York, Huddersfield, and Mid-Yorkshire Hospitals), depending on clinical subspecialty and programme.

Participation in the teaching of undergraduates and postgraduates is encouraged, either through the undergraduate radiology placement, or the Radiology Academy. The Academy is well-equipped with reporting stations, training suite, lecturing facilities and a Mac Lab.

There will be joint annual reviews of competence progression (ARCPs), covering both academic and clinical training, conducted in accordance with Follett principles.

# CONTACTS

## Academic Leads and Supervisors:

**Academic Lead (Radiology):** Professor Andrew Scarsbrook, University of Leeds

Email: a.scarsbrook@nhs.net

**Academic Supervisors:** Professor Andrew Scarsbrook & Dr Stuart Currie, University of Leeds

Email: a.scarsbrook@nhs.net and stuartcurrie@nhs.net

**Educational Supervisor (Trust):**

Dr Damian Tolan, Clinical Director of Radiology, Leeds Teaching Hospitals NHS Trust

**Clinical Supervisor(s) (Trust):**

Dr Rachel Hyland, Head of School of Radiology, Leeds Teaching Hospitals NHS Trust

## Training Programme Director (clinical):

Dr Hannah Lambie, Consultant Radiologist, St James’ University Hospital, Leeds Teaching Hospitals NHS Trust

## Academic Training Programme Director:

Professor Phil Quirke

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# 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](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)