



Job title	Clinical Research Fellow in Radiology	Job family and level	Clinical Academic, Medical Research Fellow
School/ Department	School of Medicine/ Mental Health and Clinical Neuroscience	Location	Precision Imaging Hub, Medical School, Queen's Medical Centre

Purpose of role

The purpose of this role will be to have specific responsibility for research, for developing research objectives and proposals for a research project in Clinical Radiology aligned with the aims of the Magnetic Resonance and Precision Imaging (MR&PI) theme of the NIHR Nottingham Biomedical Research Centre (NBRC). You will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research and you will be responsible for writing up your work for publication. Key areas of research activity in this theme are innovative imaging platforms, experimental quantitative physiological multi-organ imaging, brain dysconnectivity, and clinical translation of novel imaging technology and image analysis approaches, including radiomic and artificial intelligence (AI) based approaches.

You will join an established team, led by Professor Dorothee Auer and Professor Rob Dineen (NBRC MR&PI theme lead and deputy lead respectively), whose main areas of research interest include innovative brain imaging approaches for mechanistic understanding of disease processes and treatment effects, for supporting rapid diagnosis and for supporting clinical trials and novel image-guided treatment approaches. You will have the opportunity to use your initiative and creativity to identify areas for research, develop research methods and extend your research portfolio.

The NBRC MR&PI theme is a multidisciplinary grouping of imaging researchers including radiologists and other clinical academics, physicists, computer scientists, mathematicians and engineers. MRI research to innovate clinical imaging diagnosis is a core component of the group's activities and closely aligned to patient priorities and health needs. We have strong links with the internationally recognised expertise at the Sir Peter Mansfield Imaging Centre which will soon become the home of the UK 11.7T Ultra-high-field MRI facility.

You will be supported to identify an area of research within the MR&PI research portfolio which will become the focus of activity for your post. For this research area you will support the design, delivery, analysis and reporting of the clinical aspects of the research at a level appropriate to your previous clinical and research experience. You will also support the preparation of external funding applications to extend the research area that you are involved in.

In addition to core project delivery, you will be able to develop your own research interests and pursue your curiosity to produce a body of work worthy of a higher degree. You will be supported to register for an MRes degree and/or develop a fellowship application for funding to allow you to undertake a PhD. PhD/MD training for clinicians in the School of Medicine is closely supervised and carefully structured. Clinical MDs/PhDs in Nottingham are mainly through original research and publication and, defense of a thesis. There is also a compulsory taught course component, N-TRANS, developed specifically for medically qualified graduates involved in translational research.

This post does not carry its own National Training Number (NTN). Any appointee who has already successfully been deemed appointable at national clinical recruitment and who already holds a National Training Number (NTN) will be expected to apply to their host clinical training programme for out of programme for research (OOPR). Further information on the OOPR process is available from an NTN holder's clinical training programme director in the region in which the NTN is currently held.

Assessment of Academic Competencies

All Clinical Research Fellows within the School of Medicine agree to a personal development plan with their academic and clinical supervisors and undergo annual appraisal (through relevant university processes).

Clinical Research Fellows who hold NTN's and who are undertaking the post as 'OOPR' are required to undertake an OOPR ARCP each year.

	Main Responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<p>Research Responsibilities:</p> <ul style="list-style-type: none"> To manage, plan and conduct research activity using recognised approaches, methodologies and techniques within the agreed research area. To resolve problems, in meeting research objectives and deadlines in collaboration with others. To identify opportunities and assist in writing bids for research grant applications. Prepare proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes. Register for and work towards a MRes or to develop a fellowship application for funding to undertake a PhD. 	75%
2	<p>Engagement, Communication and Continuation Responsibilities:</p> <ul style="list-style-type: none"> To write up research work for publication and/or contribute to the dissemination at national/international conferences, resulting in successful research outputs. To collaborate with academic colleagues on areas of shared interest for example, collaborative or joint research projects. Organisation of patient and public involvement and engagement (PPIE) activity relevant to the research projects. 	15%
3	<p>Teaching:</p> <ul style="list-style-type: none"> In balance with wider contributions to research and other activities, you are expected to make a contribution to teaching such as supervise, examine and act as the personal tutor to undergraduate and postgraduate taught students within own area of expertise. 	10%
4	<p>Other: Any duties in accordance with the nature and grade of the post.</p>	N/A

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> • Excellent oral and written communication skills, including the ability to communicate with clarity on complex information. • Ability to creatively apply relevant research approaches, models, techniques and methods. • Ability to build relationships and collaborate with others, both internally and externally • High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights. • Ability to assess and organise resource requirements and deploy effectively • Ability to work efficiently with initiative and without close supervision. • Evidence of clinical training at core training level or equivalent • Current good clinical practice (GCP) training must be in post before taking up the role. 	<ul style="list-style-type: none"> • Demonstration of understanding of, and commitment to, an academic career in Radiology • Experience at Higher Specialty Training (Registrar) level in Clinical Radiology or equivalent.
Knowledge and experience	<ul style="list-style-type: none"> • Demonstrable interest in medical research. • Some practical experience of applying the specialist skills and approaches and techniques required for the role. • Experience in use of research methodologies and techniques to work within area. • At least six months working in medical practice the UK National Health Service or other comparable health system 	<ul style="list-style-type: none"> • Experience of Clinical Radiology • Presentation of research at national/international meetings • Previous success in gaining support for externally funded research projects • Experience of developing new approaches, models, techniques or methods in research area.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> • MBBS or equivalent 	<ul style="list-style-type: none"> • BSc, BMedSci or equivalent integrated/intercalated degree • Evidence of academic performance during clinical training

	Essential	Desirable
		<ul style="list-style-type: none"> • UK National Training Number (NTN) in clinical Radiology • Completion of Part 1, Part 2a or Part 2b of the Fellowship of the Royal College of Radiologists
Statutory, legal, or special requirements	<ul style="list-style-type: none"> • Meets professional health requirements (in line with GMC standards/ Good Medical Practice) • Satisfactory enhanced disclosure from the Disclosure and Barring Service • Full GMC registration with a licence to practice at the time of appointment 	
Other	<ul style="list-style-type: none"> • Demonstration of the potential and the ability to work within a research team • A clear understanding of how to relate the principles of safeguarding, the Mental Capacity and Equality Acts to clinical practice • Willingness to adopt the vision and values of the School of Medicine 	



Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others

