



Job title	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	Job family and level	Research - Level 4 (Appointment will be Level 4 career training grade where an appointment is made before PhD has been completed)
School/ Department	School of Medicine, Translational Health Sciences	Location	The East Midlands Campuses of the University of Nottingham

Purpose of role

You will join an established team, led by the Professor of Digital Health, whose main area of research interest includes the evaluation of both human and machine performance in medical imaging applications and Artificial Intelligence (AI).

The purpose of this role will be to have specific responsibility for research and for developing research objectives and proposals on behalf of the Digital Cancer Screening Research Group. The person appointed will be expected to plan and conduct work using approaches, methodologies, and techniques appropriate to the type of research. They will bring strong dedication and a proactive work ethic, contributing meaningfully to the success of the group through consistent effort, a commitment to high-quality research, and a willingness to support collaborative goals. By working hard and taking the initiative, they will add tangible value to the group's research outputs and broader impact.

The person appointed will have the opportunity to use their initiative and creativity to work on multiple research projects, develop research methods and extend their research portfolio.

To find out more about the School of Medicine, its values, vision, teaching and research, please see our [further information leaflet](#).

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Research Responsibilities: <ul style="list-style-type: none"> To carry out the research programmes as detailed in work plans and facilitate the smooth running of the research by helping with the project organisation including progress and project reporting. 	50%

	<ul style="list-style-type: none"> • To plan and conduct research using recognised approaches, methodologies and techniques within the research area of Artificial Intelligence and medical imaging, such as data analysis and experimental design and coding. To resolve problems, in meeting research objectives and deadlines in collaboration with others • Assist with the design, development and implementation of interactive prototype platforms for AI developers to validate their algorithms • Ensure data security, oversee all impacts, deliverables and publications • To plan and manage own research activity and resolve problems, if required, in meeting own/team 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. • To analyse data, interpret reports, evaluate and bring new insights to research area. 	
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 build relationships with both internal and external contacts in order to exchange information, to form relationships for future collaborations and identify potential sources of funds and/or opportunities for collaboration. • To provide support, guidance and supervision to other staff, where appropriate in own area of expertise. • To collaborate with academic colleagues on areas of shared interest for example, course development, collaborative or joint research projects. 	30%
3	<p>Organisational:</p> <ul style="list-style-type: none"> • To co-ordinate the operational aspect of research networks, for example, contribute to collaborative decision making with colleagues in area of research. • To utilise and contribute to organising research resources and facilities, laboratories and workshops as appropriate. 	10%
4	<p>Teach, supervise, examine and personal tutoring:</p> <ul style="list-style-type: none"> • You are expected to make a contribution to teaching that is in balance with wider contributions to research and other activities. 	10%

5	Other: <ul style="list-style-type: none">Any other duties appropriate to the grade and level of the role	N/A
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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 ▪ High analytical ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring ▪ Ability to creatively apply relevant research approaches, models, ▪ Ability to assess and organise resource requirements and deploy ▪ Ability to build relationships and collaborate with others, both internally and externally. ▪ Expertise in designing, implementing, and optimising advanced AI algorithms, with deep proficiency in machine learning architectures, scalable model development, and high-performance code for real-world applications. 	<ul style="list-style-type: none"> ▪ Ability to foster a research culture and commitment to learn in others.
Knowledge and experience	<p>Some practical experience of applying the specialist skills and approaches and techniques required for the role.</p> <p>Experience in use of research methodologies and techniques to work within area.</p>	<ul style="list-style-type: none"> ▪ Previous success in gaining support for externally funded research projects.
Qualifications, certification and training (relevant to role)	<p>PhD or equivalent in relevant subject area or the equivalent in professional qualifications and experience in research area.</p> <p>OR near to completion of a PhD</p>	
Other	<p>Willingness to adopt the vision and values of the School of Medicine.</p>	



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 friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



