



Job title	Mansfield Research Fellow	Job family and level	Research & Teaching Level 5
School/ Department	School of Physics and Astronomy	Location	Sir Peter Mansfield Imaging Centre

Purpose of role

The purpose of this role will be to lead and deliver individual and collaborative research in ultra-high field magnetic resonance imaging and spectroscopy at the Sir Peter Mansfield Imaging Centre. During the Fellowship this research should focus particularly on exploiting the capabilities of the existing 7T scanner, and the planned 11.7T scanner which will be operated as a national facility. The role holder will advance innovative research and develop proposals and funding bids.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	To take the lead on, plan, develop and conduct individual and/or collaborative research either as an individual or as part of the broader 11.7T programme.	20%
2	To acquire, analyse and interpret research findings in ultra-high field MRI/S using approaches, techniques, models and methods selected or developed for the purpose.	20%
3	To establish a national reputation and regularly disseminate and explain research findings in ultra-high field MRI/S through peer-reviewed publications in high quality journals, conferences and other appropriate media.	10%
4	To advance a programme of research by developing and winning support for innovative research proposals and funding bids.	10%
5	To build relationships and collaborate actively with internal and external contacts, nationally and internationally to complete research projects and to advance the discipline.	10%
6	To produce demonstrable societal impact through activities such as creating intellectual property, commercialisation or clinical translation.	10%
7	To communicate complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media.	5%

8	Be responsible for managing and/or monitoring assets and budgets allocated and the use of research resources to ensure that effective use is made of them.	5%
9	To ensure that all research undertaken adheres to the highest standards of research integrity.	5%
10	Be responsible for the safe conduct of work following the University's Safety Policies.	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> Oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media. Ability to devise, advise on and manage research programmes and motivate staff. Ability to manage resources and an understanding of management processes. Analytical capability to facilitate conceptual thinking, innovation and creativity. Ability to build relationships and collaborate with others, internally and externally. 	<ul style="list-style-type: none"> Emerging skills in managing and motivating staff.
Knowledge and experience	<ul style="list-style-type: none"> Sufficient breadth or depth of specialist knowledge in the discipline to develop research programmes and methodologies Research experience within the area of biomedical MR. Experience and achievement in chosen field, reflected in growing and consistent national reputation. A consistent track record of published research in peer reviewed journals. Experience and demonstrated success in delivering research results. 	<ul style="list-style-type: none"> A growing international reputation in their field. Experience, achievement and growing reputation in the discipline, reflected in relevant national committee memberships, and/or involvement in national research events. Track record in gaining support for externally funded research and consultancy projects e.g. with industry, commerce, public bodies. Experience of supervising junior colleagues.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> PhD or equivalent in relevant subject area 	<ul style="list-style-type: none"> Membership of a professional body where appropriate.



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

