

**THE UNIVERSITY OF MANCHESTER**  
**PARTICULARS OF APPOINTMENT**  
**FACULTY OF BIOLOGY, MEDICINE & HEALTH**  
**SCHOOL OF HEALTH SCIENCES**  
**MR RESEARCH RADIOGRAPHER**

<b>Salary:</b>	Grade 6
<b>Hours:</b>	1 FTE
<b>Duration:</b>	Permenant
<b>Responsible to:</b>	Lead Research Radiographer (MR)

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**Background**

The University's Imaging Facilities currently owns 3 MRI scanners (Salford Royal NHS Foundation Trust (SRFT), Manchester Clinical Research Facility (MCRF) and the Wolfson Molecular Imaging Centre (WMIC)) and a PET-MR scanner at St Mary's Hospital, Manchester University NHS Foundation Trust (MFT).

**Overall Purpose of the Job:**

With minimal supervision and with considerable attention to the care of research participants, undertake all aspects of MR imaging. You will liaise with radiographers, undergraduate and postgraduate students and those other disciplines connected with the Imaging Facilities. You will liaise with the Lead Radiographer (MR) and Principal Investigators (PIs) to ensure that all reseach scans are performed to agreed schedules and study protocols, in a safe manner. You will also be required to perform clinical scans in line with contracts in place with local NHS Trusts and you will be expected to liaise with consultant radiologists and referring clinicians for the justification of the MR request.

You will undertake the siting of IV cannulae and facilitate the use of IV contrast media using both hand and power injectors.

You are encouraged to have an active involvement in research projects and will be expected to adopt a small number of projects in which you will contribute to the design of the study, the analysis of data and the preparation of scientific reports and presentations, under the supervision of a PI.

**Key Responsibilities, Accountabilities or Duties:**

- The provision of research and clinical MR scanning, maintaining a high professional standard set within the units and performing all examinations in a responsible manner

- To work alongside staff at Salford Royal NHS Foundation Trust (SRFT), the Manchester Clinical Research Facility (MCRF) and the Wolfson Molecular Imaging Centre (WMIC)
- To work unsupervised when necessary, performing all scans following the imaging parameters set down in the scanning protocols
- To undertake clinical scanning for NHS contracts as required
- To produce images of the highest diagnostic quality
- To be aware of the policies and SOPs for MR imaging , including infection control and Good Clinical Practice (GCP)
- To produce research data of the highest quality
- The implementation of research and clinical protocols, ensuring that colleagues are informed of any changes
- The continual development of MR protocols, both research and clinical.
- To be responsible for reporting any faults and problems as they arise to the Lead Radiographer (MR) and the MR Physicists
- The collection, recording and manipulation of research and clinical data and ensure that it is in accordance with the Department of Health's Clinical and Research Framework and Local Procedures.
- To maintain departmental patient / subject record in accordance with the Data Protection Act (1998), GDPR and GCP
- Daily organisation of the scanner suites, liaising closely with the Lead Radiographer (MR) with particular reference to the scanning schedules and availability.
- To report any untoward occurrences and incidents to the Lead Radiographer (MR), staff at the MRCF and the Imaging Facilities governance committee. ensuring appropriate forms are completed.
- Schedule scans using the Imaging Facilities' booking system, crfmanager and update the MR scan log with accurate data regarding scans performed
- To be actively involved in Continuing Professional Development (CPD)
- To encourage staff development and provide training where necessary
- The training of under- and post-graduate students connected to the scanner suites
- To participate in research and audit.
- To participate in annual PDRs
- To assist in monitoring the quality of the services to patients/subjects and referring clinicians, and where appropriate, participate in the development and implementation of initiatives for improvement in line with GCP.
- To maintain close relationships with the other disciplines within the University, the Trusts and MCRF
- To support the Lead Radiographer (MR) on occasions, carrying out administrative duties and attending meetings on their behalf
- To observe and apply the following:
  - Health and Safety Regulations
  - Standard Operating Procedures and local rules
  - DoH Research Governance Framework
  - Data Protection Act and GDPR / confidentiality of all patients and volunteers who are scanned

- COSHH Regulation
- To work flexibly across all sites and be able at short notice to rearrange work patterns according to need
- To undertake weekend and evening working occasionally as required
- To attend research meetings and prepare and give scientific presentations
- To develop and maintain a special interest in aspects of clinical research using MR, through reading and attendance at meetings, seminars and conferences in order to help and advise other researchers
- To participate in the development of MR study protocols by close interaction with PIs and Imaging Facilities colleagues

## **PERSON SPECIFICATION**

### **Qualifications**

#### **Essential**

- BSc degree in Diagnostic Radiography / DCR(R) with evidence of CPD
- Current GCP certification

#### **Desirable**

- PgDip in MRI

### **Experience**

#### **Essential**

- Substantial experience in the clinical and/or MRI scanning environment
- Experience of dealing with members of the public and patients
- Good knowledge of a range of MR sequences and how to adapt them
- Experience of IV cannulation
- Experience of working with IR(ME)R and IRR17 regulations

#### **Desirable**

- Experience with computers in scientific research (e.g. familiarity with spreadsheets and image analysis software).
- Experience in magnetic resonance research
- Experience of PET-MR scanning
- Experience of working in a multi-disciplinary environment with scientists and clinical researchers
- Experience of contributing to the development of study protocols and sequences
- Experience of working with high field MR scanners.

## **Skills and knowledge**

### Essential

- An interest in clinical research
- The willingness and ability to adopt new knowledge and research procedures
- The willingness to co-operate with PIs and Imaging Facilities staff in the setting up and use of ancillary equipment
- Good interpersonal skills and self-motivation
- Demonstrable ability to work as part of a multidisciplinary team
- Flexibility over hours of work
- Ability to be flexible in terms of scanning locations
- Interest in developing knowledge and skills in PET-MR scanning
- The ability to use computers for record keeping, communications, data transmission and archiving

### Desirable

- Specialist knowledge in any of the following areas, particularly in an academic research setting:
  - Neuro-imaging and fMRI
  - Cardiac imaging
  - Paediatric imaging
  - Oncologic imaging