



## Position Description

POSITION TITLE:	MRI Research Technologist
LOCATION:	SAHMRI, North Terrace
REPORTS TO:	Clinical Director, Clinical & Research Imaging, Clinical and Research Imaging Centre (CRIC)
DEPARTMENT:	Clinical & Research Imaging, Clinical and Research Imaging Centre (CRIC)
CONTRACT:	Two years, part-time (0.5FTE)

### PURPOSE AND SCOPE OF THE POSITION

At the South Australian Health and Medical Research Institute (SAHMRI), we are committed to achieving innovative, ground-breaking research that fundamentally improves the quality of life for all people.

The Clinical and Research Imaging Centre (CRIC) at SAHMRI is one of Australia's most advanced imaging research facilities including one of the first ultra-high 200mT/m clinical research MRI systems in the world, the Australian Centre for Photon-Counting CT and an ultralow field portable MRI research program based at 64mT. The centre has master research agreement with Siemens Healthineers and is supported by the National Imaging Facility.

The MRI Research Technologist is part of an innovative team providing access to imaging and expertise that supports a vibrant research community. You will provide expertise to academic, health and industry users through project development involving the development of protocols, delivery of imaging and support of data management, processing and analysis methods.

The position will work on both 3T and 64mT systems but has focus on supporting and developing our 64mT research program in conjunction with other technical staff, data science and AI fellow, and dedicated clinical support fellow. SAHMRI's priorities areas are projects in cerebrovascular health, traumatic injury and the role of portable imaging in improving health equity. This may include portable scanner deployment in a regional centre.

This is a Commonwealth supported role and is part of a national program that spans other interstate universities and hospitals, together supporting nationally funded projects in brain trauma. There is a strong expectation to engage in national activities across a range of internal and external stakeholders.

The position is offered as part-time 0.5FTE.

### KEY RESPONSIBILITIES

The specific duties include:

- Operating 3T and 64mT MRI equipment to research level
- Provide expert knowledge in MRI and imaging technologies to researchers throughout Australia
- Support user collaborations and projects in 64mT with impact through scientific publication or changes in practice.



- Support research data and processing pipelines for timely analysis and reporting
- Report to project managers and scientific committees
- Contribute to competitive funding applications, scientific publications and reporting of research activity
- Participate in special projects to continuously improve processes and systems and organisation
- Represent the SA node of the National Imaging Facility locally and nationally
- Participate in special projects to continuously improve processes, tools, systems and organisation.
- Take reasonable care to protect own health, safety and welfare at work and avoid affecting the health and safety of any other person at work.
- Participate in the implementation of the Institute's Work, Health and Safety Management System and related laws, regulations and guidelines.
- Ensure that duties are performed in keeping with the principles outlined in SAHMRI's Vision, Mission and Values and the Code of Conduct Policy.

#### SPECIAL REQUIREMENTS

- Some out of hours work may be required.
- DCSI Employment Screening and Police Checks may be required.
- SAHMRI is required to implement the [Addressing vaccine preventable disease: Occupational assessment, screening and vaccination policy](#) for SAHMRI employees carrying out work in any SA Health Facility. Immunisation Risk for this position is - Category B (indirect contact with blood or body substances)



## Person Specification

### QUALIFICATIONS

- Eligibility to work in South Australia
- Appropriate Undergraduate Degree or equivalent qualification in Medical Radiation Science.
- Postgraduate qualifications in MRI or physics, or equivalent experience.
- Current registration with AHPRA.

### EXPERIENCE, KNOWLEDGE AND SKILLS

- At least two years working predominantly in the field of MRI
- Appreciation of research methods and disease models
- Knowledge of MRI reconstruction and experimentation
- Proficient in routine image processing
- Strong analytical and problem-solving skills.
- Excellent communication, engagement and presentation skills.
- Ability to work independently under project pressure with timeframes and budget.
- Skills in report writing and presentations.
- Project management skills including timely delivery of outputs, monitoring and resolving issues.
- Desire to contribute to a common purpose with willingness to learn new skills and take on new challenges.
- Demonstrated ability to work independently and be self-motivated.
- Support SAHMRI's commitment to reconciliation and acknowledge the importance of working in partnership with Aboriginal and Torres Strait Islander People
- Able to demonstrate the following SAHMRI Values and Culture:
  - **Excellence** – Bold, Driven, Dynamic
  - **Innovation** – Persistent and Focused
  - **Courage** – Collaborative and Enabling
  - **Integrity** – Embrace Diversity, Demand Equity
  - **Teamwork** – Friendly, Fast, Flexible, Fun



**APPROVED BY**

**Name:**

**Position:**

**Signature:**

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Date     /     /

**Incumbent:**

**Signature:**

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Date     /     /