



# Data Manager: XNAT Image Repository Candidate Information

March 2026

## The Institute of Cancer Research

### About our organisation

We are one of the world's most influential cancer research institutes with an outstanding record of achievement dating back more than 100 years. Together with our hospital partner, The Royal Marsden, we are rated in the top four centres for cancer research and treatment worldwide.

As well as being a world-class institute, we are a college of the University of London. We are consistently in the top performing universities in the league table of university research quality compiled from the Research Excellence Framework (REF 2014 & 2021). We have charitable status and rely on support from partner organisations, charities, donors and the general public.

We have more than 1000 staff and postgraduate students across three sites in Chelsea and Sutton.

### Division of Radiotherapy and Imaging

The Division of Radiotherapy and Imaging is investigating new imaging methods to diagnose cancer, and ways in which advances in technology and molecular biology can improve radiation treatment. It uses imaging to evaluate the response to treatment *in vivo*, through techniques measuring aspects of tumour biology.

Your colleagues in the MRI team will include world-leading clinical radiologists and specialists in imaging informatics, artificial intelligence, MRI physics and image analysis. We operate a state-of-the-art image repository based on the XNAT platform (<https://xnat-repository.icr.ac.uk>), working at the interface between the Institute and the Royal Marsden. This holds the curated reference copy of deidentified imaging and associated clinical data for more than 250 separate academic activities.

This position is an exciting opportunity that will allow a scientist or existing data manager with good computing skills to develop a range of expertise and experience while supporting high-profile research studies.

Our mission  
is to make the  
discoveries that  
defeat cancer.

# Data Manager: XNAT Image Repository

## Candidate Information

### Our values

The ICR has a highly skilled and committed workforce, with a wide variety of roles, each requiring different skills. But whether you work as a researcher, or work as part of our corporate team, your work and behaviour is underpinned by these six values. They are what bring us together as one team - as 'One ICR'.



#### **Pursuing excellence**

We aspire to excellence in everything we do, and aim to be leaders in our field.



#### **Acting with Integrity**

We promote an open and honest environment that gives credit and acknowledges mistakes, so that our actions stand up to scrutiny.



#### **Valuing all our people**

We value the contribution of all our people, help them reach their full potential, and treat everyone with kindness and respect.



#### **Working together**

We collaborate with colleagues and partners to bring together different skills, resources and perspectives.



#### **Leading innovation**

We do things differently in ways that no one else has done before, and share the expertise and learning we gain.



#### **Making a difference**

We all play our part, doing a little bit more, a little bit better, to help improve the lives of people with cancer.



***Our values set out how each of us at the ICR, works together to meet our mission – to make the discoveries that defeat cancer. They summarise our desired behaviours, attitudes and culture – how we value one another and how we take pride in the work we do, to deliver impact for people with cancer and their loved ones.***

**Professor Kristian Helin**  
Chief Executive

# Data Manager: XNAT Image Repository

## Candidate Information

### Job description

**Department / division:** MRI / Division of Radiotherapy and Imaging

**Pay grade / staff group:** Scientific Professional 6

**Hours / duration:** Full time (35 hours per week), Monday to Friday. Fixed term contract for 2 years

**Reports to:** Senior Staff Scientist

**Main purpose of the job:** Managing critical XNAT ICR and RM imaging research assets; co-design and implementation of information governance strategy; training role; liaison with hospital PACS teams and IT departments; contribution to patient and public involvement and engagement (PPIE) activities; facilitation of AI research

### Duties and responsibilities:

#### Image repository management

*Information governance:* co-design of XNAT standard operating procedures, managing implementation across the joint ICR and RM XNAT ecosystem (with oversight of more than 700 users and 500 XNAT “projects”), and advising trial managers and study Chief Investigators on data handling; responsibility for monitoring and maintaining data pseudonymisation

*Liaison with external sites:* establishing data flow pathways and “open sites” as part of multicentre trials; primary point of contact with Picture Archiving and Communication System (PACS) teams, IT departments, and cybersecurity / information governance professionals at NHS hospitals and overseas organisations

*Education:* creation and delivery of XNAT training programme for internal and external users as part of multicentre trials

*Public and Patient Involvement and Engagement:* devising and delivering PPIE activities as part of the XNAT Team’s grant-funded activities

*Information security:* working with colleagues to devise and implement methodologies for protecting image data assets from accidental or malicious corruption; co-creation and testing of disaster-recovery plans

*Data management:* transfer of images from clinical scanners to research systems, ensuring appropriate anonymisation / pseudonymisation of data for use in research

*Collaboration with and support of system users:* active role in the scientific programme of the department and contribution to the informatics needs of clinical imaging projects; facilitation of research into artificial intelligence in radiology

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# Data Manager: XNAT Image Repository

## Candidate Information

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### XNAT platform development

*Documentation:* contributing to the creation of a library of documents describing the operation of the Institute of Cancer Research / Royal Marsden Hospital XNAT Repository

*XNAT development:* developing and testing XNAT workflows on the ICR/RMH systems, playing a full role in the broader development of the XNAT ecosystem of applications

*Collaboration:* working as part of national and international collaborations, liaising with your opposite numbers in other institutions and with the XNAT core development team in the US, helping to develop tools for Findable, Accessible, Interoperable and Reusable (FAIR) data access

### General

All staff must ensure that they familiarise themselves with and adhere to any ICR policies that are relevant to their work and that all personal and sensitive personal data is treated with the utmost confidentiality and in line with the General Data Protection Regulations.

Any other duties that are consistent with the nature and grade of the post that may be required

Working in accordance with the ICR's Values

Promoting a safe, healthy and fair environment for people to work, where bullying and harassment will not be tolerated

This job description is a reflection of the present position and is subject to review and alteration in detail and emphasis in the light of future changes or development.

# Data Manager: XNAT Image Repository

## Candidate Information

### Person specification

Candidates will be considered for recruitment at two different points on the salary scale with different levels of responsibility.

To be considered for the higher level, you must satisfy the criteria in the **right**-hand column.

### Education and Knowledge

Educated to degree level or above in computer science, physical sciences, mathematics, computational biology, medicine or a related field	E	E
Knowledge of computing in a medical field	D	E
Knowledge of the DICOM imaging format	D	D
Knowledge of clinical trials, GCP and information governance (e.g., GDPR and UK Data Protection Act)	D	E

### Skills

Attention to detail and ability to use pre-existing computer software accurately	E	E
Ability to maintain adherence to written procedures and clinical and regulatory standards applicable to clinical trials	E	E
Demonstrated programming skills in high-level languages (e.g., Java, Python, C++, JavaScript) and Linux shell scripts. (Where the successful candidate has these coding skills, the position will adapt to make full use of these, via independent coding projects as part of the group's ongoing XNAT development work.)	D	D
Effective communication skills, both verbal and in writing	E	E
Familiarity with Microsoft Office products (particularly Word, Excel and Powerpoint)	E	E

### Experience

Experience of engaging in scientific projects with the ability to understand and discuss them with researchers	D	E
Previous experience of projects involving imaging data	D	D

# Data Manager: XNAT Image Repository

## Candidate Information

Experience of managing data in hard copy and electronic form	D	E
Experience of Mac, PC and Linux operating systems	D	E
Experience of working with the XNAT data platform	D	D
Experience of handling sensitive personal data	D	E
Experience of liaising with hospitals to establish data flow pathways for clinical research or clinical trials in order to “open trial sites”.	D	E

### General

An ability to respond quickly to issues, taking ownership, but ensuring others engage effectively. Good team player with the ability to work independently	E	E
Ability to forge trusted working relationships with peers, senior colleagues and “research customers”	E	E
Flexible and adaptable approach to managing workload	E	E
Ability to project a positive and professional image of the XNAT Team to ICR the Royal Marsden and external collaborators	E	E

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### Benefits

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We offer a fantastic working environment, great opportunities for career development and the chance to make a real difference to defeat cancer. We aim to recruit and develop the best — the most outstanding scientists and clinicians, and the most talented professional and administrative staff.

The annual leave entitlement for full time employees is 28 days per annum on joining. This will increase by a further day after 2 years' and 5 years' service.

Staff membership to the Universities Superannuation Scheme (USS) is available. The USS is a defined benefit scheme and provides a highly competitive pension scheme with robust benefits. The rate of contributions is determined by USS and details of the costs and benefits of this scheme can be found on their website. If staff are transferring from the NHS, they can opt to remain members of the NHS Pension Scheme.

We offer a range of family friendly benefits such as flexible working, a parents' group, and a maternity mentoring scheme. Other great benefits include interest free loans for discounted season tickets for travel and bicycle purchases, access to the NHS discounts website, a free and confidential Employee Assistance Programme which offers a range of well-being, financial and legal advice services, two staff restaurants, and access to a gym and sporting facilities at our Sutton site.

#### **Further information**

You may contact Simon Doran for further information by emailing [Simon.Doran@icr.ac.uk](mailto:Simon.Doran@icr.ac.uk).

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