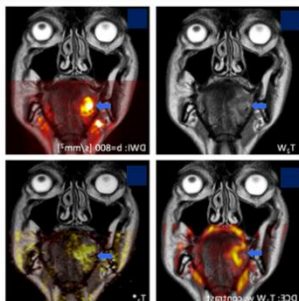


Group Leader in Pre-Clinical Cancer Imaging and Therapy



Application Deadline:
31st May 2024

Institute/Faculty:
Division of Radiotherapy and
Imaging, ICR

Academic contact:
Professor Kevin Harrington
and Professor Uwe Oelfke
Kevin.harrington@icr.ac.uk
/ uwe.oelfke@icr.ac.uk

Vacant positions: 1

Location: Sutton, London

Hours per week: 35

Interview period:
June 2024

Salary:
Determined by
discussion with the
Chief Executive

**Expected start date and
Tenure:**
This is a permanent position

Are you ready to join our mission to defeat cancer and transform the lives of cancer patients? Do you have a passion for research to build on the expertise available across the ICR; to recruit and grow a recruit and grow a world-leading group of researchers that exploit pre-clinical treatment and imaging technologies/methodologies to improve cancer imaging and therapy.

Imaging Research at The Institute of Cancer Research (ICR) and The Royal Marsden

The ICR has invested heavily in preclinical imaging, with a new £20M building for state of the art integrative, multi-modality functional imaging (Centre for Cancer Imaging (CCI)) integrating our biological services unit, tumour biology, drug discovery and translational medicine with a range of biologically informative imaging techniques using cutting edge equipment

The CCI provides an integrated environment for multi-modality imaging, co-locating 7T and 1T MRI systems, a trimodal PET/SPECT/CT system, multispectral photoacoustic and ultrasound imaging platforms, bioluminescence imaging systems, micro-CT and two small animal radiation research platforms (SARRP), as well as a state-of-the-art biological service unit. The CCI provides a strong multidisciplinary environment with expertise in imaging, radiotherapy, drug development and molecular pathology.

With the Royal Marsden we have eight Magnetic Resonance Imaging (MRI) and three Positron Emission Tomography/ Computed Tomography (PET/CT) scanners and a multidisciplinary team of specialist clinical research and support staff. The MRI scanners comprise a mixture of four 1.5T and three 3T scanners and their workload includes a mixture of research and clinical use across 7 days. There is also an MR Linac on the Sutton site.

The Clinical Research Facility (CRF) provides infrastructure support for our experimental medicine research at The Royal Marsden and works in close partnership with the Drug Development Unit, as well as the NIHR Biomedical Research Centre, to deliver high-quality research that utilises advanced imaging. The CRF imaging expertise enables the development of enhanced scanning techniques to facilitate rapid assessments and selection of the most appropriate treatment for each patient.

Your Profile

You will have expertise in a relevant scientific discipline (e.g. physics, chemistry, data-science) and will have an interest in leading an independent research program and participating in our center-wide efforts to develop and translate novel cancer therapies into clinical practice. This post is full-time and focused on the junior faculty level, while exceptional candidates could be considered for appointment at Full Professor level.

Group Leader in Pre-Clinical Cancer Imaging and Therapy

Key Requirements:

- PhD in an area relevant to Physics, Chemistry, Engineering and Data-science applied to oncology.
- Broad Knowledge of pre-clinical cancer research
- Knowledge of associated image processing methodologies
- Evidence of intellectual leadership

Job description – as a Group Leader

- Pursue an independent research programme, which complements existing strengths within the CRF and CCI.
- Build a thriving team of clinical and/or translational pre-clinical researchers to deliver the research objectives.
- To execute and evaluate new and existing research strategies that will have relevance within the research framework of the Division, and to build and lead an independent team to achieve this.
- To maintain, employ and implement (i) a thorough knowledge of an area of expertise relevant to pre-clinical cancer research and (ii) an awareness of the latest developments pertinent to the field.
- To collaborate with other scientists and clinicians in the Division, Institute and Royal Marsden NHS Trust to achieve the objectives listed above.
- To motivate, supervise and inform members of the Group.
- To prepare the results of the Group's work for presentation as publication in learned journals and at national and international conferences.
- To interact and collaborate with commercial partners about any discoveries that may be potentially exploitable.
- To submit applications and obtain grant funding for posts in the Group either independently or in collaboration.
- To undertake such academic, administrative, and managerial duties that could be reasonably expected of a Group Leader by the Head of Division and Chief Executive

This is an academic 'Teaching and Research' role and, as such, you will be expected to supervise postgraduate research students and will have the opportunity to contribute to our postgraduate taught programme.

Who we are:

The Institute of Cancer Research, London is a world-leading institution identifying cancer-related genes and discovering novel targeted drugs for personalised cancer treatment. Our mission is to make the discoveries that defeat cancer. As well as being one of the UK's leading higher education institutions in research quality and impact, the ICR is consistently ranked as one of the world's most successful for industry collaboration. As a member institution of the University of London, we also provide postgraduate higher education of international distinction. <https://www.icr.ac.uk/>

At ICR we offer:

- a fantastic working environment, great opportunities for career development and the chance to make a real difference to defeat cancer, an exciting interdisciplinary environment with many national, international, and industrial collaborators.
- State of the Art – [research facilities](#)
- Annual leave entitlement for full time employees is 28 days per annum on joining. This will increase by a further day after two years' and five 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.
- Family friendly benefits such as flexible working, a parents' group, and a maternity mentoring scheme
- a workplace characterized by professionalism, equality, and a work-life balance.

Interview - Interviews will be held in June 2024

We welcome applications from all qualified candidates; researchers from groups underrepresented at the scientific leadership level are especially encouraged to apply.