

Job Details	
<b>Job Title:</b>	<b>RadNet Group Leader in Radiation Oncology / Biology</b>
<b>Institute / University:</b>	City of London, UCL and Barts Cancer Institute, QMUL
<b>Reports to:</b>	CRUK City of London Centre Director
<b>Grade:</b>	Grade 7 <b>Full Time</b>
<b>Appointment period:</b>	Fixed-term Contract
<b>Current Location:</b>	Charterhouse Square, London

### Job Context

The Barts Cancer Institute (BCI) is a Cancer Research UK Centre of Excellence whose work aims to transform the lives of those with and at risk of cancer through innovative research in the laboratory, in patients and in populations. BCI is internationally renowned in many areas of cancer research and it combines ground-breaking basic research with the expertise of clinicians and clinician scientists from the Centre for Experimental Cancer Medicine and the Barts NHS Trust to achieve improvements in cancer patient care. BCI is also a partner in the CRUK City of London Major Centre (together with UCL, Kings and the Francis Crick Institute) which is a Centre of Excellence in Biotherapeutics. BCI is committed in supporting and developing future cancer researchers through its extensive postgraduate training. It is one of six institutes within The School of Medicine and Dentistry (SMD).

### Job Purpose

The CRUK RadNet City of London Radiation Unit will include:

- The mechanisms of radiation resistance, including cancer evolution and cancer stem cells.
- How the tumour microenvironment and immune system affect the response to radiotherapy.
- Advanced radiotherapy techniques, such as proton beam therapy and stereotactic radiotherapy, which uses multiple beams of radiation that converge on the tumour.
- Personalising radiotherapy using artificial intelligence and improved tumour imaging.
- Radiotherapy for children and young people's cancers.

The London partners will also work closely with University College London Hospitals NHS Foundation Trust, Guy's and St Thomas' NHS Foundation Trust and Barts Health NHS Trust.

The RadNet CoL has a radiation biology/oncology group leadership role available for candidates with an outstanding track record relevant to the CRUK RadNet City of London strategy.

This is an ideal opportunity for the successful candidate to lead and develop an ambitious radiotherapy research programme embedded within a truly world class environment of cancer research and clinical infrastructure.

The successful candidate will align to UCL, KCL or QMUL as one of the CRUK City of London Centre partner universities.

Funding can be allocated to help build a team according to the experience of the candidate.

#### Application closing date:

If you have any questions about this vacancy, please contact CRUK RadNet City of London Project Manager Michelle Craft ([cruk-radnet-cityoflondon@ucl.ac.uk](mailto:cruk-radnet-cityoflondon@ucl.ac.uk)).

If you have any questions about the application process, please contact Manuela Rossini, Human Resources Manager, [m.rossini@ucl.ac.uk](mailto:m.rossini@ucl.ac.uk).

### Main Duties & Responsibilities

#### Research

1. To undertake and develop an independent world-class research programme, including supervision of research staff and students, which contributes to the overall scientific mission of RadNet City of London;
2. To obtain substantial external funding in order to support the postholder's research programme, research staff and PhD students, and to help develop RadNet City of London;
3. Take responsibility for ensuring timely completion of milestone reports and adhere to grant review timelines and deadlines;
4. Sustain a high quality and high impact publication record;
5. Sustain a track record of significant influence in the discipline, whether in academia or in the appropriate private or public sectors;
6. Contribute to peer review bodies/committees, professional organisations, learned societies, research councils etc.;
7. Develop and initiate research projects;
8. To contribute to the national development of radiation oncology and/or biology.

#### Teaching

9. Be responsible for practical work where applicable, and advise students on techniques;
10. Contribute to the development of CPD and Leadership training;
11. Contribute to the teaching of UCL students at various levels.

#### Management Responsibilities

12. Mentor and supervise the work of others within the research team and lead on the development of skills and competence;
13. Manage own research, teaching and administrative demands and those of more junior researchers;
14. Monitor and ensure effective management of assets and budgets allocated as part of the role;
15. To ensure appropriate representation and processes in place with respect to ensuring Health and Safety obligations;
16. Plan for the use of research resources, laboratories and workshops as appropriate.

#### Internal and External Relationships

17. To maintain existing and develop new collaborations in the UK and internationally for CRUK RadNet City of London;
18. Participate in and develop external networks, for example to identify sources of funding, generate income, obtain consultancy projects, or build relationships for future research activities;
19. To lead on knowledge exchange activities, both related to the candidate's own research programme and in relation to wider radiation oncology/biology research.

**The above list of responsibilities is not exhaustive and the jobholder may be required to undertake other duties commensurate with the level of the role, as reasonably requested by their line manager.**

**This job description sets out the duties of the post at the time it was drawn up. Such duties may vary from time to time without changing the general character of the duties or level of the responsibility entailed. Such variations are a common occurrence and cannot in themselves justify a reconsideration of the grading of the post.**

This table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements.

Requirements	Essential / Desirable
<b>Qualifications, Experience and Knowledge</b>	
PhD or evidence of an equivalent level of attainment in research publications	E
Track record of extensive publications in high quality peer-reviewed scientific and/or clinical journals	E
Active research profile at internationally leading level with a continuing track record of external research grant funding	E
High level of skill, experience and leadership in radiation oncology and/or radiation biology research	E
Experience of teaching and mentoring in radiation oncology and/or biology	E
Evidence of contributions to peer review bodies/committees, professional organisations, learned societies, government committees or Research Councils etc	E
An outstanding research profile with seminal contribution to knowledge or other outcomes appropriate to the discipline	E
Evidence of academic leadership and a proven ability to lead, develop and motivate colleagues	D
<b>Skills and Abilities</b>	
Leadership and management – an inspirational leader with the ability to lead and motivate others.	D
Ability to secure grants/contracts independently or as a leader in a major project.	E
Ability to devise, advise on and manage research programmes.	E
An established ability to communicate in writing and orally at the highest national and international levels.	E
Experience of developing research methodologies and devising models, approaches, critiques and methods.	E
Ability to effectively supervise research projects of PhD students.	E
Training in teaching methods and experience of teaching at undergraduate and postgraduate level	E
Ability to effectively manage resources; organise and prioritise workload, to delegate responsibility as appropriate and to supervise staff.	E
Sensitivity to the need for full involvement of all staff/ students	E
Training in interview and selection skills	E
Computer literate and excellent communication skills/verbal and written; good command of written and spoken English	E
<b>Personal Attributes</b>	
Excellent interpersonal skills	E
Ability to work as part of a multidisciplinary team, and collaborate with clinical researchers and basic scientists	E
The highest ethical and professional standards in research and education	E

# Job Profile Person Specification

Requirements	Essential / Desirable
Commitment to academic research	E
Highly self-motivated and hard working	E
Commitment to continuous professional development	E

**Essential/Desirable:**

E = Essential: Requirements without which the job could not be done.

D = Desirable: Requirements that would enable the candidate to perform the job well.

# RADNET CITY OF LONDON GROUP LEADERS

RadNet City of London spans across 4 leading central London institutes, namely UCL, King's, Barts and the Crick, and unite multi-disciplinary expertise across London to cultivate a modernised radiation research landscape. Our research focus is predicated on the view that cancer cure by radiotherapy can be improved by concentrating on the following themes:

**Radiation Resistance** Including cancer evolution and cancer stem cells

**Radiation Combinations** How the TME and immune system affect response to radiotherapy

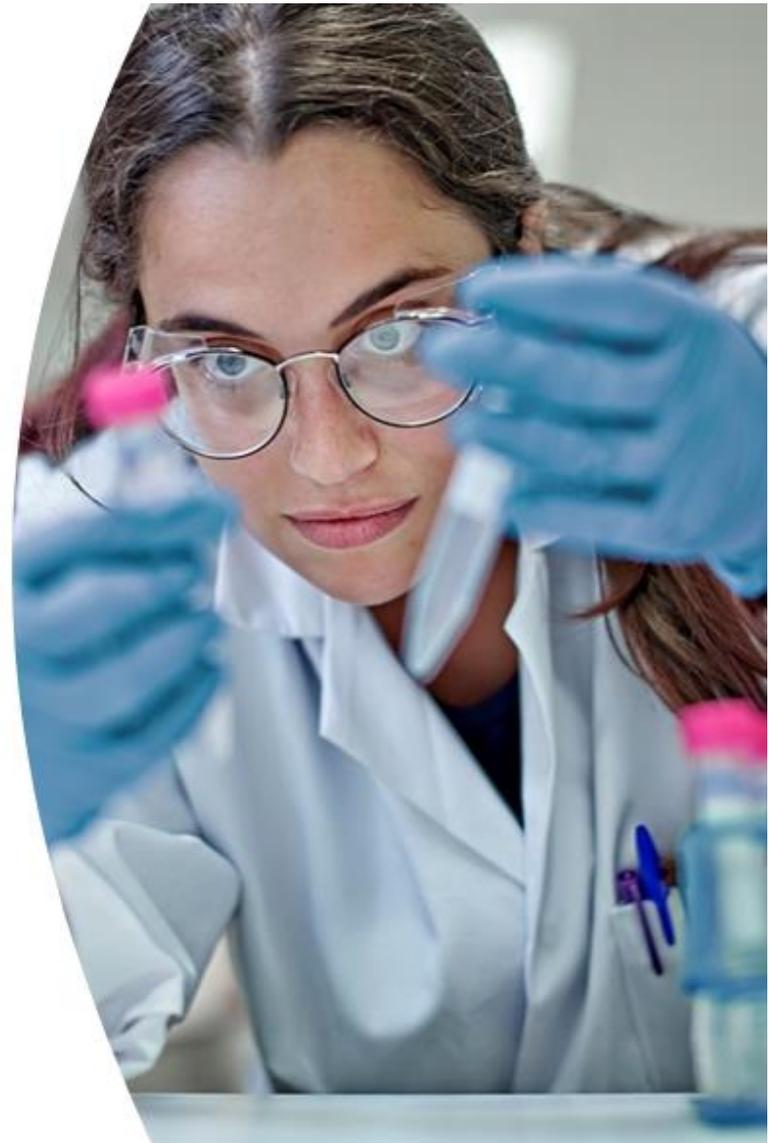
**Targeting and Technology** Advanced radiotherapy techniques, including PBT, that converge on the tumour for children and young people's cancers

**Outcomes and risk predictions** Personalising radiotherapy using artificial intelligence, computational models and improved tumour imaging.

**Clinical translation** Establish a clinical trials platform, to ensure a strong forward and reverse translational element to the above themes

We are seeking top scientists with a major focus in radiation biology and radiation oncology who would be interested to join our team. We have a group leader position available and wish to explore how their ambitions align with our strategy.

To apply, please send your CV and 1pg cover letter outlining your research interests and send to the RadNet City of London Project Manager, Michelle on [cruk-radnet-cityoflondon@ucl.ac.uk](mailto:cruk-radnet-cityoflondon@ucl.ac.uk).



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