

Job
description

Postdoctoral Training Fellow: Leukemia Research Candidate Information

March 2023

Department / division:	Epigenetics and Cancer Team, Division of Cancer Biology
Pay grade / staff group:	Postdoctoral Training Fellow
Hours / duration:	Full time (35 hours per week), Monday to Friday. Fixed term contract for 3 years
Reports to:	Prof Kristian Helin, Team Leader

Context

Epigenetics and Cancer Team, Cancer Biology Division

We are seeking a Postdoctoral Training Fellow to join our Epigenetics and Cancer Team led by Kristian Helin to develop and use pre-clinical models for leukaemia, and to identify and validate new targets for anti-cancer therapy.

The successful candidate will be part of an international team of highly dedicated scientists that work on understanding epigenetic control mechanisms in normal development and in cancer, and on identifying and validating new targets for the development of new treatments for cancer patients. This is a very attractive position for an enthusiastic and dedicated scientist who is interested in further their scientific qualifications and for contributing to improved understanding of leukemia and the outcome for leukemia patients.

Professor Kristian Helin's team studies the role of chromatin-associated proteins (epigenetics) in the regulation of transcription, cell fate decisions and in cancer. The team is also using functional genetic screens to identify potential novel targets for the development of anti-cancer therapy.

Our mission
is to make the
discoveries that
defeat cancer.

Postdoctoral Training Fellow: Leukemia Research

Candidate Information

Main purpose of the job

To perform basic and translational research investigating how blood cancers develop and can be treated through the development and use of mouse genetic models and PDX models in combination and CRISPR based screens.

Further information

You may contact Kristian Helin for further information at kristian.helin@icr.ac.uk. This job description reflects the current position and is subject to review and alteration in detail and emphasis in the light of future changes or development.

Duties and responsibilities

Key duties

To design and perform experiments appropriate for the scientific projects of the PDTF

To 'stay on top' of the published literature relevant for the scientific project of the PDTF

Present data at lab meetings, journal clubs and conferences.

To be part of a collaborative team

Keep accurate and accessible records of experiments and data.

Person specification

Education and Knowledge

PhD in Life Sciences (Biology, Genetics, Biochemistry, Molecular Biology)	Essential*
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Proven experience of working in haematology	Essential
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Proven experience of working with mouse models	Essential
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Skills

Excellent organisation skills; ability to plan and prioritise work	Essential
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A "team player"	Essential
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Good observation skills, attention to details and ability to keep appropriate records	Essential
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*as a minimum requirement candidates must have submitted their thesis by the start date of their employment and awarded their PhD within the six month probationary period.

Postdoctoral Training Fellow: Leukemia Research

Candidate Information

Motivated and enthusiastic,	Essential
Willingness to learn and apply newly acquired knowledge	Essential
Ability to multi-task	Essential

Experience

Experience in haematology	Essential
Experience in cell biology techniques of mammalian cells (tissue culture, transfection methods, microscopy).	Essential
Experience in molecular biology techniques (recombinant DNA, cloning)	Essential
Experience in mouse genetics and/or PDX models	Desirable
Experience in biochemistry (protein purifications, protein-protein interaction analysis, protein-DNA interaction analysis).	Desirable
Basic experience in computational biology (R or Python) and bioinformatics	Desirable

Workforce Agreement for Postdoctoral Training Fellows

The ICR has a workforce agreement stating that Postdoctoral Training Fellows can only be employed for up to 7 years as PDTF at the ICR, providing total postdoctoral experience (including previous employment at this level elsewhere) does not exceed 10 years.

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.
To work in accordance with the ICR's Values.
To promote a safe, healthy and fair environment for people to work, where bullying and harassment will not be tolerated.

Postdoctoral Training Fellow: Leukemia Research

Candidate Information



About our organisation

The Institute of Cancer Research, London, is one of the world's most influential cancer research institutions with an outstanding track record of achievement dating back more than 100 years. 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.

We are also a charity and rely on the support of partner organisations, funders, donors and the general public.

[Read more](#) to find out about our history, culture, and achievements, and how our funders, supporters and partnerships help drive our work.

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'.



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

