



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Clonal Evolution Research Group

Faculty of Medicine and Health



Salary: Grade 7 (£32,548 - £38,833 p.a.). A maximum of £35,550 p.a. can be offered due to funding limitations.

Reference: MHCAP1126

Closing date: 5 January 2018

3 year fixed term

Research Fellow in Clonal Evolution Research Group Leeds Institute of Cancer and Pathology Section of Experimental Haematology

Are you an ambitious researcher with a degree, PhD and experience in bioinformatics? Do you want to understand clonal evolution in a range of haematological diseases mechanisms, and have your research make a direct impact on the understanding of underlying processes in these diseases?

You will pursue a project whose primary aim is the assessment of the evolution of rare, treatment resistant clones from two chronic lymphocytic leukaemia (CLL) clinical trials ADMIRE and ARCTIC, led by Professor Peter Hillmen. The project builds on previous work using Next Generation Sequencing to identify rare mutations which lead to treatment resistance. It will utilise skills in Illumina next generation sequence analysis, use of the MARC1 cluster, development of bioinformatics tools and statistical modelling of rare mutant detection and clonal evolution.

You will work independently and as part of a larger team of researchers, to develop research objectives/proposals and to set the direction of the research project and team. You will proactively assess progression and suggest improvements, prepare collaborative funding proposals and engage in knowledge-transfer activities.

With a science degree and PhD, and a strong background in bioinformatics, mutation and statistical models, you will work closely, interactively and collaboratively with the project team, using your excellent communication and interpersonal skills.

What does the role entail?

As a Research Fellow your main duties will include:

- Working with, and in support of Dr Newton's research, to ensure the project is successfully completed;
- Generating and pursuing original research ideas and developing research objectives and proposals and contributing to setting the direction of the research project and team including, where appropriate, preparing proposals for funding in collaboration with colleagues;
- Evaluating methods and techniques used, and results obtained, by other researchers and to relate such evaluations appropriately to your own work;



- Working independently and as part of a larger team of researchers, including engaging in knowledge-transfer activities;
- Making a significant contribution to the dissemination of research results, through publications in leading international journals, independent reports and by presentation at group meetings/seminars and conferences;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues;
- Contributing to the research culture of the School, where appropriate; contributing to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Fellow you will have:

- A science degree and PhD;
- A strong background computer-based analysis of large-scale biomolecular data;
- Expertise in statistical and mathematical methods with experience in at least one programming language and knowledge of common mathematical/statistical packages (e.g. Matlab, R, etc);
- The ability and motivation to understand experimental methods and the underlying biology;
- Demonstrable experience of conducting research;
- Excellent verbal and written communication skills; including strong presentation skills and the ability to write to a high standard required for research reports/international publications;
- Excellent interpersonal skills with a proven ability to work effectively in a team and with a wide range of stakeholders;
- Excellent organisational skills including planning and self-management skills with the ability to prioritise and to deliver high quality work to tight, competing deadlines under pressure;
- A strong commitment to your own continuous professional development.



You may also have:

- A strong background in immunology, Haematology or cancer research;
- Expertise in the use of high performance computing clusters;
- Experience with commonly used genomic analysis tools and experience in sequence analysis;
- A track record of successful, high quality publications in the areas clonal evolution or a related topic.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) informationpage. Applications should be submitted by **23.59** (UK time) on the closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Dr Darren Newton, Clonal Evolution Group Leader

Tel: +44 (0)113 343 8031

Email: d.j.newton@leeds.ac.uk

Additional information

Find out more about the [Leeds Institute of Cancer and Pathology](#) and the [Faculty of Medicine and Health](#).

Find out more about Dr Darren Newton's research in the [Section of Experimental Haematology](#).

Find out more about the rest of the [Section of Experimental Haematology](#)

Find out more about [Athena Swan](#) in the Faculty of Medicine and Health



Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

