



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Bioinformatics, Leeds Institute of Medical Research,
School of Medicine, Faculty of Medicine and Health



Salary: Grade 7 (£33,797 – £40,322 p.a.)

Reference: MHLMR1018

Closing date: 15 July 2020

Fixed-term for 3 years

We are happy to consider job share applications and are committed to flexible working for all our employees.

Postdoctoral Research Fellow in Bioinformatics (Brain Cancer 'Omics) School of Medicine Leeds Institute of Medical Research at St James's Division of Division of Molecular Medicine

Are you an ambitious researcher looking for your next challenge? Do you have a background in computational cancer biology? Do you want to further your career in one of the UK's leading research intensive Universities?

We are seeking an enthusiastic and highly motivated individual to assist in analysis of a variety of molecular data, to develop novel approaches to data analysis and integration and assist in biological interpretation using network and pathway analyses.

You will have a PhD and research experience in genome biology, bioinformatics or other relevant field, expertise in the management and analysis of large genomics datasets and a strong desire to translate genomic information into clinical application.

What does the role entail?

As Research Fellow your main duties will include:

- Working with and in support of Dr Lucy Stead's research grant to ensure the project is successfully completed;
- Generating and pursuing original research ideas in the appropriate subject area;
- 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;
- Communicating or presenting research results through publication or other recognised forms of output;
- Preparing papers for publication in leading international journals and independently writing reports;



- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the research culture of the School, where appropriate;
- Contributing to the training of both undergraduate and postgraduate students, where appropriate, 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.

You will report to Dr Lucy Stead, Head of Glioma Genomics

What will you bring to the role?

As Research Fellow you will have:

- Relevant first degree and PhD (biological science, bioinformatics, statistics or a closely related numerate discipline). If first degree or PhD is in a biological science, evidence of further relevant training in bioinformatics or statistics. If first degree or PhD is in computer science or mathematics, evidence of further relevant training in biology;
- Experience in computer-based analysis of large-scale biomolecular or other data;
- Experience in the analysis of Next Generation Sequencing data;
- Expertise in statistical and mathematical methods;
- Expertise in computational methods including programming experience (python, perl or R);
- Ability and motivation to understand experimental methods and the underlying biology;
- Demonstrated experience of conducting research;
- Proven ability to write to the standard required for research reports/international publications;
- Good time management and planning skills, with the ability to meet tight deadlines and work effectively under pressure;



- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;
- Proven ability to manage competing demands effectively, responsibly and without close support;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

You may also have:

- Experience in cancer research, preferably brain cancer;
- Experience in chromatin immunoprecipitation (or cleavage) sequencing analysis;
- Experience in whole human genome/exome sequence analysis;
- Experience in machine learning;
- Experience in the analysis gene expression data;
- Proficiency in common numerical analysis platforms (R, matlab, etc);
- Data management and analytical skills including experience of the use of database and statistical software.

How to apply

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

Contact information

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

Dr Lucy Stead, Head of Glioma Genomics

Tel: 07903504807 (between 9am and 12pm)

Email: l.f.stead@leeds.ac.uk



Additional information

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

Find out more about [Leeds Institute of Medical Research](#). The institute and its facilities are predominantly based on the [St James's University Hospitals Campus](#) although some team are also located on the [University of Leeds' main campus](#).

Find out more about [Glinoma Genomics](#)

Find out more about the [Brain Cancer Research Group](#)

Find out more about [Athena Swan](#) in the Faculty.

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.

