



UNIVERSITY OF LEEDS

**Experimental Officer: Chromatography and Analysis,
Faculty of Engineering & Physical Sciences**



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

Reference: EPSCH1011

Closing date: 18 December 2019

We will consider job share / flexible working arrangements

Experimental Officer in Chromatography and Analysis, School of Chemistry

Do you have experience implementing state of the art chromatography and separation science? Are you passionate about delivering exceptional research support in a research-intensive Russell Group University?

As an Experimental Officer in Chromatography and Analysis you will be expected to run and maintain our suite of analytical and preparative High Performance Liquid Chromatography (HPLC) and chromatography equipment that is used for research and teaching purposes. You will also assume a prominent role in supporting postgraduate and postdoctoral researchers in separation science both providing a service for the rapid analysis of mixtures for quantitation and purity determination including the determination of enantiomeric purity (ee / er). You will also provide support and training to users to enable them to run samples themselves on our Liquid chromatography – mass spectrometry (LC-MS) and preparative mass directed HPLC instruments. You will add value and ensure the highest impact outputs can be achieved in areas encompassing supramolecular chemistry, chemical biology, catalysis, organic synthesis, process research and co-ordination chemistry.

With a PhD (or undergraduate degree and significant relevant experience) in Chemistry or a closely related discipline you will have a strong track record in the use of HPLC to support synthetic chemistry and to address research challenges. You will have enthusiasm for interdisciplinary and collaborative research and the ability to use IT effectively. You will be expected to maintain awareness of the latest developments in separation science and where appropriate have the opportunity to acquire additional training so as to maintain your skill base. You will also have the opportunity to contribute to the assessment of course work and examinations and to the planning and review of modules, programmes and quality assurance mechanisms. In addition, you will have an enthusiastic approach to promoting the use and application of separation science to societal challenges, contributing to the PR and public engagement activities of the School.



What does the role entail?

As an Experimental Officer in Chromatography and Analysis, your main duties will include:

- Organising, managing and operating the HPLC service for the School of Chemistry;
- Developing methods for the efficient analysis of compound mixtures, quantifying purity (including enantiomeric purity) and optimising preparative purification methods;
- Providing a service for researchers and students in which you will perform analytical separation and analysis and provide the user with results;
- Training staff, students and post-doctoral fellows in the routine operation of the open access chromatography instrumentation (including preparative systems) and in the processing of data;
- Taking a pro-active approach to engaging in collaborative research across the School of Chemistry and wider University Campus by providing intellectual and technical input in state of chromatographic methods so as to add value to the research and achieve the highest impact outputs;
- Instructing and advising on the best method for performing chromatography based experiments and the interpretation of their results;
- Contributing to the dissemination of research results and preparation of manuscripts for publication in leading peer-reviewed journals;
- Organising and managing archiving and access of data through the network interface between the chromatography systems and their users with the assistance of appropriate IT staff;
- Liaising with manufacturers on the repair, maintenance and/or upgrade of chromatography equipment and their associated equipment, and, perform minor repairs as appropriate;
- Ensuring a safe and tidy environment for the Chromatography instruments and associated equipment;
- Contributing to the assessment of course work and examinations and to the planning and review of modules (that incorporate chromatography), programmes and quality assurance mechanisms as appropriate;
- Keeping up to date with the latest developments in chromatography and undertaking appropriate training to maintain your skill base;
- Other duties commensurate with the grade of the post at the direction of the Head of School.



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 an Experimental Officer in chromatography and analysis you will have:

- A PhD (or undergraduate degree and significant relevant experience) in Chemistry or a closely related discipline;
- Demonstrable evidence of the ability to maintain and operate HPLC and LC-MS instruments, including the development of new separation and purification methods;
- The ability to use IT effectively in your work;
- The ability to contribute effectively to administrative activities;
- A high level of interpersonal and communication skills, both written and verbal;
- Evidence of the ability to work in collaborative scientific teams;
- Evidence of high levels of self-motivation;
- A good understanding of relevant Health and Safety regulations and procedures;
- The ability to work effectively, responsibly and independently; to prioritise work; and to work to tight deadlines.

You may also have:

- Experience of teaching Chemistry to undergraduate and postgraduate students;
- Experience of mass directed HPLC purification and the purification of peptides or the characterisation of polymers using gel permeation chromatography (GPC);
- The ability to perform high quality research, as evidenced by research in a related field with a proven record of achievement as a single or main author of refereed publications;
- Experience of working in interdisciplinary scientific teams;
- Experience in managing budgets.



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 Stuart Warriner, Surname, Deputy Head of School](#)

Tel: +44 (0)113 343 36437

Email: s.l.warriner@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [School of Chemistry](#).

A diverse workforce

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN [Bronze](#) or [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

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.

