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| Job Description |  |

**LONDON’S GLOBAL UNIVERSITY**

**Department of Chemistry**

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| **Lecturer in Inorganic and Materials Chemistry** |  |
| Department: ChemistryGrade: 8Location: UCL Bloomsbury Campus |  |

#### Reports to: Prof. Claire J. Carmalt, Head of Department

#### The UCL Chemistry Department seeks to recruit an emerging world leader in the general area of Inorganic and Materials Chemistry. We particularly welcome applicants with research interests aligned to the Research Themes of the Department, especially in *Materials for the Future*, *Chemical Sustainability*, and *Chemistry and the Environment*. The Department views both fundamental and applications-oriented studies as equally important to developing our research portfolio. Preference will be given to those undertaking experimental programmes of research.

This role provides the opportunity for a talented scientist to join a world-class team of researchers in the Department of Chemistry at University College London. Applicants must have a proven track record of undertaking and publishing world-class research and demonstrate the potential to develop a successful and independent research career. The successful applicant will be expected to attract research funding to support their own research programme, contribute to the teaching of inorganic and materials chemistry and undertake the administrative duties expected of a member of academic staff.

**The Chemistry Department**

The Chemistry Department at University College London is the oldest in England, and today is one of the best in the UK, with 100% of its outputs ranked as being world-leading (4\*) or internationally excellent (3\*) in the recent REF2021. We are located in Bloomsbury, at the heart of London, and offer an exciting and vibrant environment in which to study in one of the UK's top universities. The Department of Chemistry at UCL is committed to supporting excellence in both research and teaching. The department offers undergraduate BSc and MSci programmes in Chemistry and currently teaches over 700 undergraduates registered in Chemistry as well as students who select Chemistry on the Natural Sciences programme and first year Chemistry for life scientists. The department also offers a number of Postgraduate Taught Masters courses with about 80 students per year and has an overall PhD student school of about 200 students.

The Chemistry Department has over 60 members of academic staff carrying out world-leading research, with research income derived from many sources including the Research Councils (EPSRC, BBSRC, MRC, and NERC), European Commission and a wide range of charities and industrial partners in the UK, Europe and the USA. Research in Inorganic and Materials Chemistry at UCL covers the synthesis, characterisation and functional properties of inorganic complexes and materials. It has a particular emphasis on solid state-chemistry, molecular precursors and chemical vapour deposition for thin film synthesis, combinatorial materials science, catalysis and energy materials, and understanding and predicting material properties through computational work. We employ a wide range of measurement methods, using both in-house resources and national facilities, to measure and calculate chemical, physical and electronic properties of molecules and materials, and to understand the relationship between structure and function. Most of our research is aligned with EPSRC priority areas of advanced materials, in particular for sustainable energy, circular economy and increasingly on artificial intelligence.

Details about our research can be found on the departmental website <http://www.ucl.ac.uk/chemistry>.

#### Main purpose of the job

The post-holder will be expected to undertake and publish world-class research to complement and expand the existing activities of UCL; to raise funds in order to support their research programme, postdoctoral research staff and PhD students; to contribute to the teaching programme of the department and perform the normal administrative duties expected of a member of academic staff.

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**Duties and responsibilities:**

* To develop a programme of research and produce publications, or other research outputs, in the broad area of inorganic and materials chemistry;
* To seek and manage research grants to support their research programme in accordance with UCL Financial Regulations and the conditions of the funding body;
* To recruit, manage and lead researchers to support their research programme. To ensure that results are recorded, analysed and written up in a timely fashion;
* To submit papers to appropriate journals and attend and present findings at appropriate conferences;
* To prepare progress reports on research for funding bodies as required;
* To participate in departmental and faculty seminars aimed at sharing research outcomes and building interdisciplinary collaboration within and outside the department;
* To teach chemistry, at both undergraduate and graduate level, laboratory and lecture courses and provide tutorials in inorganic chemistry. Post-holders supported by a fellowship will carry a teaching load in accord with the requirements of the fellowship;
* To supervise or assist with supervision of undergraduate, taught graduate (Masters) or research graduate (MPhil/PhD) students;
* To assist in the development of learning materials, preparing schemes of work and maintaining records to monitor student progress, achievement and attendance;
* To participate in the development, administration and marking of exams and other assessments;
* To provide pastoral care and support to students;
* To contribute to departmental, faculty, or UCL-wide working groups or committees as requested;
* To maintain own continuing professional development;
* The postholder will actively follow UCL policies including Equal Opportunities and be expected to give consideration within their role as to how they can actively advance equality of opportunity and good relations between people who share a relevant protected characteristic and people who do not share it;
* To actively follow and promote UCL policies;
* To maintain an awareness and observation of fire and health and safety regulations;
* To carry out any other duties commensurate with the grade and purpose of the post, as requested by the line manager or Head of Department;
* As duties and responsibilities change, the job description will be reviewed and amended in consultation with the postholder.
* To be aware of and act upon:

Disciplinary procedure and disciplinary rules

Grievance procedure

Section 7 and 8 of the Health and Safety at Work Act

# Person specification

| Criteria | Essential or Desirable |
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| **Qualifications, experience and knowledge** |  |
| PhD in chemistry or equivalent. | Essential |
| An appropriate background to make significant contributions at the forefront of international research in inorganic and materials chemistry. | Essential |
| Knowledge of the fundamental principles of chemistry and the ability to teach inorganic chemistry at both undergraduate and postgraduate level. | Essential |
| Evidence of an appropriate publication history suitable for submission at the next REF. | Essential |
| Research experience in the general field of Inorganic and Materials Chemistry. | Essential |
| Record of raising research funding. | Essential |
| Experience in teaching chemistry at undergraduate or postgraduate level. | Essential |
| Pastoral care of students. | Desirable |
| Experience in management of a research team. | Desirable |
| Demonstrable leadership in their research field, reflected by major publications, invited papers at international conferences and/or awards. | Desirable |
| **Skills and abilities** |  |
| Proven ability to conduct experimental work in inorganic and materials chemistry at an internationally recognised level. | Essential |
| Proven ability to work in an interdisciplinary environment across chemistry and the other physical sciences. | Essential |
| Good interpersonal, oral and written communication skills. | Essential |
| Ability to raise research funding. | Essential |
| Ability to provide supervision and guidance to research students. | Essential |
| Ability to teach inorganic chemistry to students with a variety of skills and backgrounds at both undergraduate and postgraduate levels. | Essential |
| Ability to mentor early careers researchers. | Desirable |
| Ability to provide academic leadership. | Desirable |
| **Personal attributes** |  |
| Proven record of ability to manage time and work to strict deadlines. | Essential |
| Commitment to performing, funding and publishing high quality academic research work. | Essential |
| Commitment to high quality teaching and fostering a positive learning environment for students. | Essential |
| Commitment to continuous professional development. | Essential |
| Commitment to advancing equality, diversity and inclusion. | Essential |
| Ability to work harmoniously with colleagues and students of all cultures and backgrounds, and commitment to promoting UCL’s ethos and values on equality and diversity. | Essential |
| Membership of a relevant professional organisation. | Desirable |

**General Information**

**Terms & Conditions of Employment**

The post is a UCL grade 8, the salary for which ranges from £45,610 - £58,404 per annum (including London Allowance of £3,461 p.a.). Minimum starting salary for newly appointed Lecturers is £45,610 per annum (including London Allowance).

All posts that are based outside of London, for example at Harwell, will **not** have London Allowance included in the salary.

Progression through the salary scale is incremental. Cost of living pay awards are negotiated nationally and are normally effective from 1st August each year. UCL’s non-clinical pay and grading structure is at <http://www.ucl.ac.uk/hr/salary_scales/final_grades.php>.

UCL’s terms & conditions for research, teaching and professional services staff are at:

<https://www.ucl.ac.uk/human-resources/conditions-service-research-teaching-and-professional-services-staff>

The full range of benefits is at <http://www.ucl.ac.uk/hr/benefits/employee_benefits.php>

**General information for Overseas Applicants**

<https://www.ucl.ac.uk/human-resources/working-ucl/employment-contract-administration-team/immigration>

<https://www.ucl.ac.uk/human-resources/working-ucl/relocating-uk-guide>

**Equal Opportunities**

[www.ucl.ac.uk/hr/docs/equal\_opportunity.pdf](http://www.ucl.ac.uk/hr/docs/equal_opportunity.pdf)

The Department has been awarded a Silver Athena Swan Award and we support the Athena beliefs that:

* The advancement of science, engineering and technology (SET) is fundamental to quality of life across the globe.
* It is vitally important that women are adequately represented in what has traditionally been, and is still, a male-dominated area.
* Science cannot reach its full potential unless it can benefit from the talents of the whole population, and until women and men can benefit equally from the opportunities it affords.

Further information on Athena Swan is at <http://www.athenaswan.org.uk/>

# Apply

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| To apply for this position visit:ucl.ac.uk/jobsSearch under Ref no: 1886388 |