

**Job Title:** Associate Professor in Inorganic Chemistry

**Grade:** 9

**Salary:** £52,560 to £59,135 per annum

**Department:** Chemistry

**Hours/Contract:** Full time, permanent

**Reference:** 1399

## Role Purpose

You will be expected to deliver high quality research and leadership in an area of inorganic chemistry that fits with the research strategy of the department. Your research field must have the prospect of attracting substantial external funding and you will be expected to actively seek such funding.

You will also be expected to undertake teaching across a range of chemistry courses, but especially inorganic chemistry, as well as performing administrative and leadership duties. You will also be asked to contribute to the delivery of teaching in China under the auspices of the Dalian Leicester Institute. Teaching in China will be in short intensive blocks of time, i.e. 'flying faculty' visits.

Main Duties and Responsibilities	% Time
<p><b>Research</b></p> <ul style="list-style-type: none"> <li>To make a leading contribution to the Department's research profile by conducting research of the highest standard in one or more areas of chemistry, in line with the departmental objective to enhance its standing at the next REF exercise.</li> <li>To secure, alone or in collaboration with colleagues as appropriate, significant external research funding through research grants or contracts to support a well-defined research agenda, which will deliver outputs of international excellence.</li> <li>To lead research projects within the University, including their financial control, and to supervise research assistants and research students.</li> <li>To publish research articles in high quality peer-reviewed journals and other appropriate outlets.</li> <li>Consistent with the resources available and departmental and other obligations, to attend and present research findings and papers at academic and professional conferences, and to contribute to the external visibility of the department.</li> <li>To ensure that all research activities undertaken are in compliance with the 'Research Code of Conduct' operated by the University.</li> </ul>	40
<p><b>Teaching</b></p> <ul style="list-style-type: none"> <li>To give lectures, seminars, tutorials and other classes in chemistry, as appropriate, in support of the required teaching obligations and to supervise project work by undergraduate and postgraduate students.</li> <li>Perform demonstration duties in the undergraduate teaching laboratories</li> <li>To contribute to the teaching of the BSc Applied Chemistry course at Dalian University (Panjin campus) in China. It is envisaged that 'flying faculty' visits will be up to 3 weeks in length (one per annum) but may occasionally be longer visits. It may also be necessary for some staff to make multiple visits to China in one year. Where possible teaching in China will be voluntary rather than compulsory.</li> <li>To develop new course materials where necessary</li> <li>To actively participate in feedback to students</li> </ul>	40



<ul style="list-style-type: none"> <li>To lead in the review and development of the curriculum and in the design and launch of new degrees or other academic awards where appropriate.</li> <li>To maintain a broad knowledge of up-to-date research and scholarship in relevant fields to ensure that teaching meets the standards expected within a research-led university.</li> <li>To undertake other academic duties (e.g. setting of examination papers, marking, invigilation and pastoral support of students) required to sustain the delivery of high quality teaching.</li> <li>To support and comply with the university and departmental teaching quality assurance standards and procedures including the provision of such information as may be required by the Department or the University.</li> </ul> <p><b>Administration</b></p> <ul style="list-style-type: none"> <li>To undertake such specific departmental roles and management functions as may be reasonably required by the Head of Department,</li> <li>To attend departmental meetings and to participate in other committees and working groups within the department, the College of Science and Engineering, and the University to which appointed or elected.</li> <li>To engage in continuous professional development, for example through participation in relevant staff development programmes.</li> <li>To undertake, subject to the agreement of the Head of Department and the University as appropriate, external commitments which reflect well upon and enhance the reputation of the University.</li> <li>To ensure compliance with health and safety requirements in all aspects of work.</li> </ul>	20
<b>Internal and External Relationships</b>	
<p>Collaboration with other departments within the University, industrial partners, and other higher-education institutions and schools both nationally and internationally; support to research students and other academic staff members to provide advice and guidance on projects in area(s) of expertise.</p>	
<b>Planning and Organising</b>	
<p>Planning a sustainable research strategy. Plan and deliver courses of lectures to undergraduate, masters, or PhD students.</p>	
<b>Qualifications, Knowledge and Experience</b>	
<p><b>Essential</b></p> <ul style="list-style-type: none"> <li>PhD in some aspect of inorganic chemistry*</li> <li>Significant relevant research experience*</li> <li>High quality substantial publication profile*</li> <li>Evidence of potentially fundable research ideas*</li> <li>Strong research alignment with one of the departmental research groups</li> <li>Knowledge and ability to teach inorganic chemistry confidently at all levels of our undergraduate courses</li> </ul>	



## Desirable

- Academic Teaching Qualification as defined by HESA or commitment to gain the appropriate category of HEA Fellowship within a reasonable timeframe\*

## Skills, Abilities and Competencies

### Essential

- Ability to teach and to supervise research projects in Chemistry at all levels of undergraduate training
- Ability to design and carry out experiments, analyse data, and develop techniques.
- Experience in writing research papers.
- Ability to prepare credible bids for external funding of research
- Ability to lead the development of courses and course material
- High level of proficiency in English (both verbally and in writing) in order to communicate effectively with staff and students.
- Good written and oral communication skills\*

### Desirable

- Assist other teaching staff with examinations and development of new methods of delivery.
- Develop resource materials to enhance teaching delivery.
- Previous record of raising research income.

***\*Criteria to be used in shortlisting candidates for interview***

## Teaching Requirements

If requested, you may be expected to undertake teaching, tutoring and administrative duties across a range of modules, particularly in the delivery of teaching modules in China that are part of the Department's collaborative partnership programmes in the People's Republic of China.

## Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

## VITAL

The University encourages all staff to live our [VITAL values](#) which are:

**Valuing People, Innovators, Together, Accountable, Leaders.**



## Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.

