



Job Description

Chemical Biology Teaching Fellow

Department: Chemistry

Grade: 7

Location: UCL Bloomsbury Campus

Reports to: Director of Studies (currently Dr Jamie Baker)

Context

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, being ranked 2nd in the UK for the world-class impact of its research in REF(2014). 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 600 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 100 students per year and has an overall PGR student school of about 250 students.

The Chemistry Department has over 55 members of academic staff carrying out world-leading research. We specialise in the areas of organic synthesis, chemical biology, computational chemistry, nanotechnology, inorganic and materials chemistry, physical chemistry and chemical physics. The department has an annual research income of around £15 million, 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.

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

Main purpose of the job

- The Department of Chemistry seeks to appoint a Chemical Biology Teaching Fellow. The postholder will be required to develop our teaching provision on the interface between Chemistry and the Life Sciences. This will include developing and delivering: computational practicals and projects in chemical biology, medicinal chemistry and organic chemistry at both undergraduate and postgraduate levels; courses in medicinal chemistry and related areas for chemistry and natural science students; and courses in chemistry for life science students.

- The appointee will take a central role in supporting the ongoing shift to online delivery and connected learning across the department and will contribute significantly towards the development of e-learning in relation to curriculum, teaching resources and student assessment.
 - The postholder will prepare and deliver whole or parts of undergraduate modules, including lectures, workshops and tutorials, primarily in topics in chemistry which interface with the life sciences and in organic chemistry more generally.
 - The postholder will support students on the MRes on Organic Chemistry and Drug Discovery, including providing hands-on supervision of research projects.
 - In consultation with the Departmental Teaching Committee the postholder will lead initiatives in developing further teaching opportunities with departments in the Life Sciences and the School of Pharmacy.
 - The postholder will be a member of the teaching and learning support team, which will include eight Teaching Fellows.
-

Duties and responsibilities:

- To develop and support computational components of masters projects in chemical biology, medicinal chemistry and organic chemistry, to support the shift to blended projects. This would include molecular docking and DFT experiments.
- To design and deliver new computational practicals in chemical biology, medicinal chemistry and organic synthesis at both undergraduate and postgraduate levels.
- To prepare, deliver and contribute to medicinal chemistry courses at both undergraduate and postgraduate levels.
- To prepare and deliver chemistry courses for life science students, particularly at 1st and 2nd year undergraduate level.
- To support students on the MRes on Organic Chemistry and Drug Discovery, including providing hands-on supervision of research projects.
- To prepare and deliver whole or parts of modules appropriate to the background and experience of the applicant: including preparation of teaching material, delivery of lectures, workshops, tutorials, laboratory classes, assessments and marking of coursework and project reports.
- To play a leading role in supporting the shift to online delivery across the department, to achieve the desired connected learning outcomes and enhance the student experience.
- To lead initiatives in bringing new e-learning methodologies to the department's teaching and be responsible for the training of users.
- To undertake teaching and assessment activities across the department as required.
- To supervise postgraduate teaching assistants and report markers, including ensuring the students are trained and performing to the expected standard.
- Assist with and develop other activities (e.g. enhancing student experience/widening participation/outreach/schools liaison and recruitment activities) as required.

- To provide advice and support to students, acting as 'Personal Tutor'.
- To contribute to the induction and direction of other staff and students as requested.
- The job description reflects the present requirements of the post, and as duties and responsibilities change/develop, the job description will be reviewed and be subject to amendment in consultation with the post-holder.
- The postholder will carry out any other duties as are within the scope, spirit and purpose of the job as requested by the line manager.
- 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.
- The postholder will maintain an awareness and observation of Fire and Health & Safety Regulations.
- 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	Assessment method (Application/Interview)
Qualifications, experience and knowledge		
Undergraduate degree in Chemistry or relevant related discipline	Essential	Application
PhD in Chemistry or related area	Essential	Application
GCSE English Grade C or above (or equivalent, e.g. IELTS)	Essential	Application
Experience in using computational methods in chemical biology and organic chemistry	Essential	Application and Interview
Experience and knowledge in advanced organic synthesis	Essential	Application and Interview
Experience in teaching organic chemistry, and chemical biology or medicinal chemistry, at undergraduate or postgraduate degree level	Essential	Application and Interview
Experience in use and delivery of e-learning platforms	Essential	Application and Interview
Experience in the delivery of computational practicals at undergraduate or postgraduate degree level	Desirable	Application and Interview
Skills and abilities		
Ability to teach students with a variety of skills and backgrounds	Essential	Application and Interview
Good interpersonal skills and the ability to liaise with a variety of people, including the ability to relate to staff and students in a teaching and learning context	Essential	Application and Interview
Excellent verbal and written communication skills in English	Essential	Application and Interview
Ability to prioritise and organise own workload	Essential	Application and Interview
Ability to work under pressure and to meet time-critical schedules	Essential	Application and Interview
Proven skills in experimental organic chemistry	Essential	Application and Interview
Personal attributes		

Criteria	Essential or Desirable	Assessment method (Application/Interview)
Commitment to high quality teaching and fostering a positive learning environment for students.	Essential	Application and Interview
Ability to work collaboratively and as part of a team	Essential	Application and Interview
Ability to interact with small and large groups of students with differing abilities	Essential	Application and Interview
The desire to develop a portfolio of work that demonstrates pedagogical research into chemistry.	Essential	Application and Interview
Enthusiasm to acquire new skills to support your work and a commitment to keeping skills and knowledge up to date	Essential	Application and Interview

General Information

Terms & Conditions of Employment

The post is a UCL grade 7 post, the salary for which ranges from £35,965 to £43,470 per annum (including London Allowance of £3,148 p.a.). Starting salary is usually £40,062.

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

The Department has been awarded a Bronze 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

To apply for this position visit:

ucl.ac.uk/jobs

Search under Ref no:1872281