

Candidate Information

Position:	Lecturer/Senior Lecturer in Organic Chemistry
School/Department:	School of Chemistry and Chemical Engineering
Reference:	22/110278
Closing Date:	Wednesday 19 October 2022
Salary:	£38,592 - £53,353 per annum
Anticipated Interview Date:	Friday 4 November 2022
Duration:	Permanent

JOB PURPOSE

To undertake a programme of independent high-level research in organic chemistry which enhances and augments the research already undertaken within the School, and to teach organic chemistry at undergraduate, masters and PhD level including in practical organic chemistry.

MAJOR DUTIES

Teaching:

1. Teach undergraduate and taught postgraduate students, including delivering lectures, seminars and tutorials, and supervising projects and laboratory classes.
2. Assess and examine undergraduate and taught postgraduate students, and participate in Examination Boards.
3. Provide timely and constructive feedback to students on submitted material.
4. Design, develop and update modules and/or programmes in line with School's teaching strategy.
5. Develop new and innovative teaching approaches e.g. for online learning.

Research:

1. Undertake independent, high-quality research which fits with the research priorities of the School of Chemistry and Chemical Engineering, in any area of organic chemistry.
2. Actively participate in the development of the School's research themes.
3. Publish in high-quality, peer-reviewed journals which complement the School's Research Excellence Framework objectives.
4. Present at and/or organise national and/or international conferences.
5. Obtain grant funding for research from bodies including governmental and non-governmental agencies.
6. Supervise research staff and postgraduate students.
7. Foster collaborative projects with colleagues internal and external to Queen's University.

Administration/Contribution to the Community:

1. Undertake outreach, recruitment and internationalisation activities.
2. Carry out teaching administration including module co-ordination, assessment and feedback, module review, etc.
3. Contribute to the running of the School by taking on appropriate roles as required (eg Advisor of Studies, Year Head, Programme Lead, Examinations Officer, Head of Teaching).
4. Act as personal tutor for students.
5. Contribute to accreditation, internal quality review, audit and other external assessments.
6. Be a member of School Board and of the relevant Examination Board(s), and of other School, Faculty and University committees as required.

ESSENTIAL CRITERIA

Lecturer/Senior Lecturer:

1. Honours Degree in chemistry or physical sciences or related subject

2. PhD completed in organic chemistry or a related subject.
3. Demonstrate a minimum of 3 years recent relevant research experience in any area of organic chemistry that complements existing research within the School.
4. Postdoctoral or industrial experience appropriate to the position of a lecturer or senior lecturer.
5. Proven ability to plan and deliver a programme of high-quality research.
6. Ability to prepare journal and conference papers and grant applications. Applicants should demonstrate the number and quality of publications commensurate with their career stage.
7. A strong desire to develop an independent research programme.
8. Proven ability to supervise and interact with PhD students.
9. Demonstrable ability to prepare funding applications.
10. Recent relevant experience of teaching and assessing organic chemistry.
11. Evidence of administrative experience commensurate with career stage.
12. Evidence of strong organisation skills with attention to details.
13. Ability to meet deadlines.
14. Ability to communicate results at national and international conferences.
15. Ability to communicate complex information effectively.
16. Excellent written and spoken English, required for report writing, lecturing and presentations.
17. Demonstrable ability to work effectively within a diverse team.
18. Willingness to travel and potentially teach away from QUB, including overseas.
19. Willingness to work irregular hours as needed.

Senior Lecturer only:

1. Demonstrate a record of sustained contribution to research activity, securing significant external funding and successful PhD supervision through to completion.
2. Evidence of having secured sources of funding through competitive peer review and or industry.
3. Demonstrate substantial teaching experience at University level having designed new and innovative modules/pathways or approaches to teaching.

DESIRABLE CRITERIA

Lecturer/Senior Lecturer:

1. Completed a Postgraduate Certificate in Higher Education Teaching (or equivalent) and/or membership of an appropriate professional and/or teaching body e.g.HEA.
2. Evidence of experience in research commercialisation or other appropriate impact indicators.
3. Experience of developing and delivering innovative methods of teaching and assessment eg online.
4. Experience of designing and delivering innovative new programmes.
5. Experience of supervising, managing and supporting staff.
6. Experience of outreach to promote science to the public or to schools.
7. Evidence of having won academic prizes at undergraduate level or higher.

ADDITIONAL INFORMATION

Please note that, as well as providing a CV/application form and full publication list, all applicants for this post must supply a written overview of their proposed future research programmes, and written samples of detailed research proposals for confidential evaluation by the Selection Committee.

PLEASE NOTE: Your CV/Cover Letter and written overview must be attached to your application as ONE document.