

## Candidate Information

<b>Position:</b>	Lecturer/Senior Lecturer in Organic Chemistry
<b>School/Department:</b>	School of Chemistry and Chemical Engineering
<b>Reference:</b>	24/112097
<b>Closing Date:</b>	Monday 12 August 2024
<b>Salary:</b>	£43,605 - £71,945 per annum
<b>Anticipated Interview Date:</b>	Week commencing 26 August 2024
<b>Duration:</b>	Permanent

### JOB PURPOSE:

To teach fundamental and advanced organic chemistry at undergraduate, masters, and PhD levels, including practical organic chemistry, and to undertake a programme of independent high-level research in organic chemistry which enhances and augments the research already undertaken within the School. Candidates are particularly sought with a focus on reaction methodology or digital chemistry, but eligible candidates in all research areas will be considered.

### MAJOR DUTIES:

#### Teaching:

1. Deliver lectures, seminars and tutorials, and supervise projects and laboratory classes at undergraduate and postgraduate levels.
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 (e.g. 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:

1. Honours Degree in chemistry or closely related subject.
2. PhD completed in organic chemistry or a related subject.

3. Specific 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/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. Proven ability to supervise PhD students.
8. Demonstrable ability to prepare funding applications.
9. For Senior Lecturer: Evidence of leading a sustained contribution to programme of research.
10. For Senior Lecturer: Evidence of securing significant competitively awarded external funding.
11. For Senior Lecturer: Successful supervision of PhD student(s) to completion as primary supervisor.
12. For Senior Lecturer: Substantial teaching experience at University level having designed new and innovative modules, pathways, or approaches to teaching.
13. Specific, recent relevant experience of teaching and assessing organic chemistry at University level.
14. For Senior Lecturer: Completed a Postgraduate Certificate in Higher Education Teaching (or equivalent) and/or membership of an appropriate professional and/or teaching body e.g.HEA
15. Evidence of administrative experience commensurate with career stage.
16. Evidence of strong organisation skills with attention to detail.
17. Ability to meet deadlines.
18. Ability to communicate results at national and international conferences.
19. Ability to communicate complex information effectively.
20. Excellent written and spoken English, required for report writing, lecturing and presentations
21. Demonstrable ability to work effectively within a diverse team.
22. Willingness to travel and potentially teach away from QUB, including overseas.
23. Willingness to work irregular hours as needed.

**DESIRABLE CRITERIA:**

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  
(NB Essential for Senior Lecturer).
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.

Informal inquiries may be directed to: Professor Mark Muldoon at [m.j.muldoon@qub.ac.uk](mailto:m.j.muldoon@qub.ac.uk)