

Candidate Information

Position: Lecturer in Pharmaceutical Materials Science
School/Department: School of Pharmacy
Reference: 21/108677
Closing Date: Monday 15 March 2021
Salary: £36,914 - £49,553 per annum
Anticipated Interview Date: Tuesday 13 April 2021

JOB PURPOSE:

To undertake research in pharmaceutical materials science within the School of Pharmacy, to teach at undergraduate and postgraduate level, and to contribute to School's administration/outreach activity.

MAJOR DUTIES:

Teaching:

1. Develop teaching methods, design course units and deliver teaching and assessment activities including lectures, coursework and practicals in pharmaceuticals, pharmaceutical analysis and other related courses as designated by, or on behalf of, the Head of School.
2. Development of innovative approaches to the teaching of pharmaceuticals, pharmaceutical analysis and other related courses.
3. Develop approaches to teaching and learning which are appropriate for the subject area and reflecting developing practice.
4. Contribute to the enhancement of quality teaching within the subject, School or Faculty.
5. Develop and advise others on learning and teaching tasks and methods.
6. Contribute to the design of innovative teaching programmes.

Research:

1. Develop the research activities of the School of Pharmacy by sustaining a personal research plan by managing and undertaking research activities in accordance with a specific project plan in the appropriate research team.
2. Develop research activities with potential for economic, societal or health impact.
3. Sustain a high quality publication record by publishing in refereed journals and presenting at conferences to assist individual research, so that the School's research profile is enhanced.
4. Develop research proposals and funding bids, including in collaboration with others.
5. Direct, coach and develop research staff, where appropriate.
6. Ensure that research projects are completed on time and within budget.

Administration/Contribution to the Community:

1. Contribute to the School's outreach strategy by developing external links, and contributing to the School's outreach activities, as required, including undergraduate and postgraduate recruitment.
2. Develop links with relevant industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.
3. Provide pastoral care for students within own area to ensure, as far as practicable, that all relevant issues are dealt with in a timely, sympathetic and effective manner.
4. Carry out designated School functions, including, for example, participation in committee work, assisting in the process of admissions, preparation of submission for teaching quality assessment or the REF, as required by the Head of School.

Planning and Organising:

1. Plan for and set teaching and research objectives over a number of years.
2. Plan and manage own teaching and tutorials as agreed with Head of School.
3. As module leader, co-ordinate with others (such as support staff or academic colleagues) to ensure student needs and expectations are met.

4. Design/update modules in line with School's teaching strategy.
5. Plan for the use of teaching and research resources, laboratories and workshops as appropriate.
6. Submit high-quality research proposals for submission for external funding.

Resource Management Responsibilities:

1. Mentor colleagues with less experience and advise on personal development.
2. Supervise research teams and projects, and manage research funds, where required.
3. Manage own teaching, research and administrative demands under general supervision of Head of School.
4. Assist in the development of skills and competence in others (for example through the supervision of research students).
5. Manage use of resources for research and teaching.
6. Participate in judgements regarding the use of resources within their research project/School.
7. Act as mentor for students in capacity of personal tutor.

Internal and External Relationships:

1. Communicate complex and conceptual ideas to students as well as to peers using high level skills and a range of media.
2. Member of the School Board and Examination Board and such committees relevant to their administrative duties.
3. Collaborate with other academics within the School, and in wider Faculty and University and externally where appropriate.
4. Participate in and develop networks, for example to identify sources of funding, contribute to student recruitment, act as website editor, secure student placements, market the institution, facilitate outreach work, generate income, obtain consultancy projects, or build relationships for future activities.
5. Contribute to the School's outreach programme by establishing links with local community groups, industries etc.

ESSENTIAL CRITERIA:

1. Honours degree or equivalent in pharmacy, pharmaceutical science or a closely related discipline.
2. PhD or equivalent in pharmaceutical materials science
3. Minimum of three years' post-PhD research experience in a relevant field.
4. Recent, relevant publications in peer reviewed/refereed journals that are recognised internationally as being high quality, commensurate with experience.
5. Research profile in the development of infection resistant biomaterials.
6. Evidence of having obtained research funding from external sources.
7. Experience of developing research methodologies, models, approaches and techniques.
8. Experience of presentations at national and international meetings and conferences.
9. Relevant University teaching experience.
10. Relevant academic administrative/management experience.
11. Ability to advance the research and teaching goals of the School.
12. Ability to strengthen the School's national and international research networks.
13. Ability to negotiate contracts independently or as a leader of a section in major projects.
14. Good presentation skills with the ability to communicate complex information effectively.
15. Good communicator, written and oral.
16. Able to present research and other plans and reports to the wider academic community and non-academic audiences.
17. The ability to organise workload and prioritise competing demands.
18. Ability to manage resources and staff.
19. A team player who can develop effective internal and external links.
20. Leadership capability.

DESIRABLE CRITERIA:

1. Completion of a PGCHET (or equivalent) or HEA membership.
2. Pharmacy degree which is registrable with the Pharmaceutical Society of Northern Ireland or the General Pharmaceutical Council (GB).
3. Experience of formally supervising postgraduate research students or postdoctoral research Fellows.
4. Experience of supporting commercialisation/impact development of research.
5. Willing to assist with delivery at QUB external campuses from time to time, for example, in China Queen's College.