

## Candidate Information

**Position:** Lecturer in Biopharmaceutical Engineering  
**School/Department:** School of Chemistry and Chemical Engineering  
**Reference:** 24/112344  
**Closing Date:** Monday 10 February 2025  
**Salary:** £43,605 - £60,284 per annum.  
**Anticipated Interview Date:** Monday 24 February 2025

### JOB PURPOSE:

To enhance our research capacity and deliver world-class education to undergraduate and postgraduate students in bio/pharmaceutical engineering and closely related subjects, and to lead the newly developed MSc in Biopharmaceutical Engineering. You will be involved in pioneering research, working with research leaders such as Prof. Panagiotis Manesiotis on initiatives which have real life impact and represent a true academic and industry collaboration.

### MAJOR DUTIES:

#### Teaching:

1. Utilise and develop a range of teaching methods in the design and delivery of teaching and assessment activities in digital twin technology which enhance student employability and reflect industry skill requirements.
2. As programme and module leader, co-ordinate with others (such as support staff or academic colleagues) to ensure student needs and expectations are met.
3. Contribute to the development of innovative teaching programmes to enhance education within the subject, school and/or faculty.
4. Advocate for, and champion, research led teaching, reflecting emerging practices and techniques and equipping students for the future.
5. Manage all resources required to deliver a quality educational student experience and contribute the University's international reputation.

#### Research:

1. Conduct and develop research in areas of bio/pharmaceutical engineering, complementing ongoing research within the School.
2. Sustain a personal research plan by managing and undertaking activities leading to REF return in Chemical and Chemical Engineering subjects.
3. Sustain a high-quality publication record by publishing in refereed journals and presenting at conferences to enhance the School's research profile.
4. Develop research proposals and funding bids in collaboration with others as appropriate.
5. Direct, coach and develop research staff, where appropriate.
6. Ensure that research projects are completed on time and within budget.
7. Contribute to the School's outreach strategy by developing networks of research excellence both nationally and internationally.

#### Administration/Contribution to the Community:

1. Be proactive in developing links with relevant industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.
2. 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.
3. 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.
4. Mentor colleagues and students to support their personal development.

### ESSENTIAL CRITERIA:

1. Honours Degree or Equivalent in Biopharmaceutical or Chemical Engineering, Chemistry, Pharmacy or closely related subject.
2. PhD completed in Biopharmaceutical or Chemical Engineering, Chemistry, Pharmacy or closely related subject.
3. Recent, relevant postdoctoral research experience in area as below:
4. Research interests relevant to the fields of bio/pharmaceutical, chemical engineering, or related areas.
5. Research interests that are sustainable and which complement or enhance existing activities within the School.
6. Record of high quality, relevant, research publications commensurate with stage of career.
7. Evidence of potential to deliver high quality teaching in relevant subjects at UG/PGT level.
8. Possesses sufficient breadth and depth of specialist knowledge to deliver UG/PGT teaching in the fields of bio/pharmaceutical or chemical engineering or related, at undergraduate and or/postgraduate levels.
9. Contribution to a wider range of administrative tasks.
10. Contribution to a wider range of community/outreach activities.
11. Ability to communicate complex information effectively.
12. Ability to manage resources and staff.

**DESIRABLE CRITERIA:**

1. Completed a Postgraduate Certificate in Higher Education Teaching (or equivalent) qualification and/or membership of an appropriate professional and/or teaching body e.g. HEA.
2. Evidence of scholarly activity e.g. conference papers, external funding, book reviews.
3. Evidence of successful PhD supervision.
4. Evidence of ability to secure research funding as PI.
5. Sustained teaching experience at University level having ability to design modules and assessment methods.
6. Evidence of strong teaching evaluations.

**ADDITIONAL INFORMATION:**

Informal enquiries can be directed to: Prof. Panagiotis Manesiotis - [p.manesiotis@qub.ac.uk](mailto:p.manesiotis@qub.ac.uk)