

Candidate Information

Position: Lecturer (Education) in Molecular and Cellular Biology
School/Department: School of Medicine, Dentistry and Biomedical Sciences
Reference: 25/112538
Closing Date: Friday 23 May 2025
Salary: £49,054 - £60,284 per annum
Anticipated Interview Date: Monday 9 June 2025
Duration: Permanent

JOB PURPOSE:

To undertake significant teaching, learning and assessment activities within the undergraduate and postgraduate courses of the School, with a focus on the IBMS accredited undergraduate BSc (Hons) Biomedical Science and BSc (Hons) Human Biology programmes. The postholder will maintain an appropriate portfolio of scholarly activity that will enhance the educational activities of the Centre and will contribute to Centre and School administration / outreach activities.

MAJOR DUTIES:

Teaching:

1. Design and deliver a range of teaching, learning and assessment activities, including lectures, practicals, tutorials, coursework, and examinations.
2. Develop innovative methods and approaches (including digital) to teaching, learning and assessment which reflect developing practice.
3. Contribute to the design and development of new and current modules and teaching programmes, including those that will promote the University's vision to expand Postgraduate taught courses and in the internationalisation of those programmes.
4. Plan, design and develop independent teaching contributions and continually review own approach to teaching.
5. Contribute to the enhancement of teaching quality within the subject, ensuring that course design and delivery reflect developing pedagogical practice and comply with the appropriate benchmarks and regulations.
6. Incorporate skill development into teaching, including employability and digital skills, ensuring that teaching reflects emerging practices and techniques and equips students for the future.

Scholarly Activity:

1. Develop links with relevant external professional bodies and learned societies to broaden teaching expertise and to ensure that teaching reflects good practice.
2. Develop proposals in collaboration with others to fund bids for external contract work that might involve, for example, publishing materials for use in biomedical science education.
3. Engage in scholarly activity e.g. conference presentations, securing external funding, publishing subject-based or pedagogic research papers, publishing book reviews or subject-based educational materials.
4. Participate in courses relevant to continuing professional development within education and biomedical sciences and develop networking links with relevant professional bodies to ensure innovative teaching practice and maintenance of subject expertise.

Administration/Contribution to the Community:

1. Carry out designated routine School administrative duties as required, including, for example, committee work, assisting with admissions and widening access activities, employability activities etc.
2. Carry out education-related administrative duties including timetabling, preparation of module guides, oversight of VLEs, and quality assurance activities.
3. Contribute to the School's outreach, marketing strategy and reputation by developing and participating in community outreach programmes, open days and developing external links.
4. Develop links with industry and other external bodies to create potential for knowledge transfer opportunities and contributions to the community.

5. Provide pastoral care, support and guidance for students ensuring the relevant issues are processed in a timely, sympathetic and effective manner.
6. Mentor colleagues and students to support their personal development.

ESSENTIAL CRITERIA:

1. Honours degree in Biomedical Science or related subject area (e.g Cell and/or Molecular Biology, Developmental Biology, Molecular and/or Cellular Biochemistry, Human Genetics, Epigenetics, Translational Biology).
2. PhD in relevant subject.
3. Teaching/training/supervising of students in a broad range of Biomedical Sciences with an ability to contribute across different programmes.
4. Evidence of scholarly activity e.g. relevant publications, conference presentation and/or papers, external funding, book reviews, practice manuals etc. or evidence of ability to publish.
5. Demonstrable scholarly interests that are sustainable and which complement the strategies of the Centre.
6. Teaching/supervisory experience at university undergraduate or postgraduate level in molecular/cell/tissue biology and/or molecular/cellular biochemistry and/or human genetics and translational biology.
7. Extensive experience in teaching, training, or supervising undergraduate or postgraduate students in key practical laboratory skills.
8. Hands-on expertise in a range of laboratory techniques including (but not limited to) microscopy (including fluorescence microscopy and image analysis), cell and tissue biology, cell culture, and protein, DNA, or RNA analysis (such as flow cytometry, immunohistochemistry, in situ hybridisation, Western blotting, ELISA, qRT-PCR, and cloning) and a proven track record of teaching/training/supervising students in their application.
9. Experience in the design of educational or training materials and activities e.g. tutorials, workshops on protocols or equipment.
10. Experience of setting and judging student work and/or assessments.
11. Evidence of high quality/impactful teaching/training/supervising of students.
12. Experience of contribution to a range of academic administrative/management tasks commensurate with stage of career.
13. Ability to contribute to a range of community/ outreach activities.
14. Ability to manage resources and staff.
15. Knowledge of a broad range of Biomedical Sciences with ability to contribute across programmes.
16. Good organisational skills.
17. High level of analytical capability.
18. Ability to work both independently and collaboratively as required to complete projects in a timely manner.
19. Ability to use digital technologies to enhance teaching and learning.
20. Ability to work efficiently and effectively within a given resource.
21. Ability to communicate complex information effectively to peers, support staff and students.
22. Proven ability to build effective working relationships with other staff.
23. Ability to undertake national and international business travel to attend conferences and meetings and to work irregular hours as reasonably required.

DESIRABLE CRITERIA:

1. A postgraduate teaching qualification such as PGCHET (or equivalent) and/or Associate Fellow/Fellow member of Advance HE.
2. Post-doctoral research experience in relevant field.
3. Experience in developing a programme of educational research.
4. Experience and growing reputation for excellence in teaching within the biomedical sciences.
5. Experience of module coordination.
6. Experience of leadership in educational quality assurance mechanisms such as programme review or accreditation.
7. Microbiology and/or immunology expertise.

ADDITIONAL INFORMATION:

Informal enquiries may be directed to: Dr Sharon Parkinson at s.parkinson@qub.ac.uk