

Candidate Information

Position: Teaching Fellow
School/Department: School of Pharmacy
Reference: 26/113511
Closing Date: Monday 10 August 2026
Salary: £42,972 - £46,936 per annum
Anticipated Interview Date: Thursday 20 August 2026
Duration: 12 months

JOB PURPOSE:

To provide high-quality teaching and administrative cover across MPharm and BSc Pharmacy programmes at Queen's University Belfast during a funded Research Fellowship period, while contributing to an active computational pharmacology research project investigating allosteric communication pathways in G protein-coupled receptors. The post-holder will ensure continuity of student teaching, supervision, and pastoral support, and will assist in advancing the research objectives of the fellowship through molecular modelling and simulation activities.

MAJOR DUTIES:

1. Deliver lectures and tutorials across five MPharm and BSc Pharmacy modules, maintaining the high teaching quality standards established in these programmes.
2. Mark and assess examinations and coursework for a cohort of over 300 students, providing timely and constructive feedback in line with School assessment policies.
3. Supervise and co-supervise final-year undergraduate research projects, providing academic guidance throughout the project lifecycle.
4. Co-supervise postgraduate research (PhD) students, contributing to their academic development and progress monitoring in collaboration with senior academic staff.
5. Provide personal tutoring to a designated group of undergraduate students, offering pastoral and academic support as required.
6. Contribute to administrative duties including participation in relevant School meetings, and MPharm admissions activities.
7. Undertake computational pharmacology research as part of the Leverhulme-funded project, including molecular dynamics simulations of G protein coupled receptors using AMBER and related HPC platforms.
8. Contribute to the analysis and interpretation of simulation data using network analysis and information transfer methods to map allosteric communication pathways in a GPCR.

ESSENTIAL CRITERIA:

1. Has or is about to obtain a PhD in pharmaceutical sciences, computational chemistry, biochemistry, or a cognate discipline.
2. Experience in molecular dynamics simulations and computational modelling of proteins, with demonstrable ability to work independently on a research programme.
3. Demonstrable experience of, or strong potential for, undergraduate teaching in pharmacy or a related life sciences discipline, including lecturing, tutoring, and student supervision.
4. Ability to contribute to administrative processes including programme coordination, and admissions activities.
5. Specialist knowledge in computational pharmacology and molecular modelling sufficient to deliver research independently.
6. Proficiency with HPC platforms and simulation software.
7. Ability to communicate complex computational and pharmacological concepts clearly to diverse audiences including students and research collaborators.
8. Demonstrable intellectual ability.
9. Self-motivated with capacity to manage competing teaching and research priorities effectively.
10. Willingness to undertake training and development as required.

DESIRABLE CRITERIA:

1. PGCE or HEA Fellowship.
2. Experience with GPCR biology, enhanced sampling methods (aMD, metadynamics), or protein network analysis tools (AlloViz, NetworkX, AMBER).
3. Experience of teaching on MPharm or BSc Pharmacy programmes; familiarity with assessment and feedback practices in HE.
4. Experience with high-performance computing environments.
5. Evidence of initiative in developing new skills or methodologies independently.
6. Awareness of EDI principles in HE.

ADDITIONAL INFORMATION:

Informal enquiries may be directed to Gerd Wagner at G.Wagner@qub.ac.uk