Candidate Information

Position:	Research Fellow
School/Department:	School of Pharmacy
Reference:	26/113147
Closing Date:	Monday 2 March 2026
Salary:	£41,519 per annum
Anticipated Interview Date:	Wednesday 1 April 2026
Duration:	12 months

JOB PURPOSE:

To be an active member of a research team focussed on the development of novel formulations based on solid drug nanoparticles and electrospun patches for the management of diseases with therapeutic gaps. To assist in the planning and delivery of research activities related to her/his research and ensure that the overall research objectives of the project are met.

MAJOR DUTIES:

1. Design, develop, prepare and fully evaluate solid drug nanoparticles and nanofibre formulations.
2. Carry out extensive cell culture work, including cell proliferation experiments.
3. Prepare documentation for meetings with industrial and clinical partners.
4. Design, develop and refine experimental apparatus and analytical methods in order to obtain reliable data.
5. Carry out in vivo animal experiments, analyses, critical evaluations, and interpretations using appropriate methodologies and techniques. Such techniques will include high performance liquid chromatography, mass spectrometry, ultraviolet and fluorescence spectroscopy.
6. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
7. Prepare, in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
8. Assist supervisor in the preparation of funding proposals, submissions to pharmaceutical/medical devices companies and applications to external bodies.
9. Carry out routine administrative tasks associated with the research project to ensure that the project is completed on time and within budget. These might include organisation of project meetings and documentation, financial control, risk assessment of research activities.
10. Carry out occasional undergraduate supervision, demonstrating or lecturing duties within the post holder's area of expertise and under the direct guidance of a member of academic staff.
11. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.
12. Contribute to a positive, collaborative and enthusiastic atmosphere within the research group.

ESSENTIAL CRITERIA:

1. Applicants must have a degree in Pharmacy (Minimum standard 2.1).
2. Have or about to obtain a PhD in drug delivery/pharmaceutics.
3. Recent relevant research experience to include, recent, relevant, experience in pharmaceutical analysis, including HPLC.
4. Demonstrable expertise in electrospinning applied to drug delivery and biomaterials.
5. Demonstrable experience in cell culture work, including cell proliferation experiments.
6. Knowledge of mass spectrometric detection as used in combination with HPLC Experience of formulation science.
7. Experience on the design and manufacture of solid drug nanoparticles (nanocrystals/nanosuspensions).
8. Ability to contribute to administrative relevant to the research.
9. Liaison with external collaborators and sponsors.
10. Practical problem-solving skills, independence of thought and initiative are required.

11. Ability to present scientific arguments and data in a clear, concise and confident manner in both written and oral formats.
12. A calm and conscientious scientist, able to work in a disciplined manner within a team environment.

DESIRABLE CRITERIA:

1. Experience with ELISA kits.

ADDITIONAL INFORMATION:

Informal enquiries can be directed to: Pedro Londoño plondonoruiz01@qub.ac.uk