

## Candidate Information

<b>Position:</b>	Research Fellow
<b>School/Department:</b>	School of Pharmacy
<b>Reference:</b>	24/112260
<b>Closing Date:</b>	Monday 11 November 2024
<b>Salary:</b>	£39,922 per annum
<b>Duration:</b>	Fixed term available until 31 August 2025

### JOB PURPOSE:

To be an active member of the Malcolm/Boyd research team assisting in the planning and delivery of research activity for a NIH-funded P50 project on the topic of 'Contraception development research center to advance a novel intravaginal ring as a non-hormonal multipurpose prevention technology' to ensure the overall research objectives of the project are met.

### MAJOR DUTIES:

1. Develop and plan an area of personal research and expertise, and/or undertake research under supervision within a specific research project or as a member of a research team.
2. Design, develop and refine experimental apparatus, field research or experiments in order to obtain reliable data.
3. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
4. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
5. Prepare, often in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
6. Assist grant holder in the preparation of funding proposals and applications to external bodies.
7. Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget. These might include organisation of project meetings and documentation, financial control, risk assessment of research activities.
8. 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.
9. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

### ESSENTIAL CRITERIA:

1. Have or about to obtain\* a PhD in pharmaceuticals, drug delivery, or closely related subject; (\*viva examination must be completed)
2. Practical experience in manufacturing and testing of sustained/controlled release drug delivery devices
3. Practical experience in performing drug release studies and modelling drug release data
4. Practical experience in HPLC analysis and thermal analysis of drugs and drug delivery systems
5. Evidence of ability to plan and manage research projects
6. Previous practical experience in supervising undergraduate research projects
7. Ability to interact with research colleagues and support staff.
8. Ability to analyse and communicate effectively.
9. Demonstrable intellectual ability.
10. Ability to work as part of a team.

### DESIRABLE CRITERIA:

1. Practical experience in manufacturing and testing of silicone elastomer and thermoplastic vaginal ring devices
2. Practical experience in use of ICP-OES to measure metal ion concentrations

3. Previous practical experience in supervising postgraduate taught (PGT) or research (PGR) students
4. Demonstratable knowledge of contraceptive, HIV prevention, and MPT technologies, particularly in the context of women's health

**ADDITIONAL INFORMATION:**

Informal enquiries may be directed to Dr Clare McCoy ([clare.mccoy@qub.ac.uk](mailto:clare.mccoy@qub.ac.uk)).