

## Candidate Information

**Position:** Research Fellow  
**School/Department:** Wellcome-Wolfson Inst for Experimental Medicine  
**Reference:** 23/110960  
**Closing Date:** Monday 19 June 2023  
**Salary:** £36,333 per annum  
**Anticipated Interview Date:** Thursday 29 June 2023  
**Duration:** 12 months or until 31 July 2024, whichever is sooner

### JOB PURPOSE:

The School of Medicine, Dentistry & Biomedical Sciences (MDBS) at Queen's University Belfast is currently seeking to appoint an exceptional candidate to the post of Research Fellow led by Dr Dermot Linden and Prof Cliff Taggart within the Wellcome-Wolfson Institute for Experimental Medicine.

This position will involve analysis and validation of omics-derived data in the area of COPD research.

The successful applicant will have responsibilities in independent research, supervision, planning, day-to-day lab management, collaborations and outreach.

The post is suited to a highly ambitious individual and is available for 1 year.

### MAJOR DUTIES:

1. Develop, plan and deliver research under supervision aimed at understanding disease pathogenesis in chronic lung disease, with particular relevance to Chronic Obstructive Pulmonary Disease (COPD).
2. Maintain up-to-date knowledge of the field of interest at the cutting edge and communicate same to the group.
3. Analysis of data derived from patient and other in vivo samples.
4. Carry out analyses, critical evaluations and interpretations of experimental data and the literature using methodologies and other techniques appropriate to area of research.
5. Present regular progress reports on research to members of the research group, other groups within the Centre/University, to external audiences nationally and internationally to disseminate and publicise research findings.
6. Prepare, often in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
7. Assist grant holder in the preparation of funding proposals and applications as well as project progress reports to external bodies.
8. Carry out routine administrative tasks associated with the research projects/group to ensure that projects are completed on time and within budget and that the group functions efficiently. These might include organisation of project/group meetings and documentation, financial control, stock management/procurement, risk assessment of research activities and development of SOPs. Carry out routine administrative tasks associated with the day-to-day running of the research group in a communal lab setting.
9. Carry out school/undergraduate/post-graduate student and visiting researcher training and supervision, demonstrating, tutoring or lecturing duties within the post holder's area of expertise and under the guidance of a member of academic staff.
10. Participate, and in some cases lead outreach activities on behalf of the group/Centre.
11. Participate in local research-related activities such as journal clubs, training sessions, seminar series etc.
12. Assist in assessment of research communications and data, particularly within the group.
13. Additional research and/or laboratory related duties including outreach activities, within the general range of the post and competence of post holder.

**ESSENTIAL CRITERIA:**

1. Have or about to obtain a PhD (i.e recently submitted thesis) in Cell Biology, Immunology or a closely related area.
2. At least 3 years' recent research experience in Cell Biology or immunology to include the following.
  - qPCR, ELISA, Western blotting
  - Human tissue act – handling and maintenance of samples
  - Animal handling.
3. Experience teaching/supervising /mentoring postgraduate/ undergraduate students and visiting researchers in the laboratory.
4. Methodical approach to project management and meticulous in regards to experimental procedures and record keeping.
5. Highly ambitious, motivated, efficient, organised and show a commitment to, and interest in, research topic.
6. Competent in maintaining knowledge of cutting-edge of field of expertise.
7. Competent in giving effective and informative oral and poster presentations.
8. Competent in communicating stipulated research skills essential to the post in CV/job application.
9. Strong ability to work from own initiative.
10. Excellent team working skills in multiple internal and external team settings.
11. Excellent problem-solving skills.
12. Irregular hours including evening, weekend and other out-of-hours working will be a component of the research at times.
13. Must be willing to travel to national and international meetings and collaborative laboratories.

**DESIRABLE CRITERIA:**

1. Experience in cellular analysis including immunofluorescence, confocal imaging, TEER analysis.
2. Experience teaching lab members.
3. Research project management.
4. Experience working in outreach settings.