



## Candidate Information

<b>Position:</b>	Research Fellow
<b>School/Department:</b>	Wellcome-Wolfson Inst for Experimental Medicine
<b>Reference:</b>	24/112208
<b>Closing Date:</b>	Monday 21 October 2024
<b>Salary:</b>	£39,922 - £41,112 per annum
<b>Anticipated Interview Date:</b>	Friday 8 November 2024
<b>Duration:</b>	Fixed Term - Full Time, 29 months or until 31 May 2027, whichever is soonest

### JOB PURPOSE:

Join our dynamic research team at Queen's University Belfast (QUB) and play a pivotal role in advancing groundbreaking research on QKI7 signaling and its implications in diabetic complications. This position, funded by the British Heart Foundation (BHF) for 29 months, offers a unique opportunity to contribute to an ambitious project focused on developing innovative treatments for diabetes. You will be actively involved in utilizing cutting-edge iPSC reprogramming models developed within Prof. Margariti's renowned research group. If you are passionate about making a significant impact in the field of diabetes research, this role is for you.

### 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 to obtain reliable data. Leading a program based on cell reprogramming from patients with diabetic retinopathy and deliver patient specific vascular models in the context of vascular disease such as endothelial cells, vascular organoids and retina related cell types.
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. 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.
7. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

### ESSENTIAL CRITERIA:

1. Normally have a relevant PhD.
2. Substantial relevant research experience on iPSCs generation and culture, vascular cell differentiation, or organoids generation, and characterisation including key molecular biology techniques such as real time PCR, Western blots, flow cytometry, immunofluorescent staining and confocal microscopy, reporter assays, or functional assessment such as tube formation, ROS, LDL uptake etc.
3. Ability to contribute to broader management and administrative processes.
4. Ability to communicate complex information clearly.
5. Ability to build contacts and participate in internal and external networks.
6. Demonstrable intellectual ability.
7. Ability to assess and organise resources.

### DESIRABLE CRITERIA:

1. Ability to contribute to the analysis of large-scale data such as RNA-sequencing.

2. Evidence to approach mechanistic elucidation of vascular dysfunction.
3. Experience on delivering seminars and supervising students.
4. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.

**ADDITIONAL INFORMATION:**

Informal enquiries may be directed to Prof David Grieve at [d.grieve@qub.ac.uk](mailto:d.grieve@qub.ac.uk)