



Candidate Information

Position:	Research Fellow
School/Department:	Wellcome-Wolfson Inst for Experimental Medicine
Reference:	23/111088
Closing Date:	Monday 21 August 2023
Salary:	£36,333 per annum
Anticipated Interview Date:	Thursday 31 August 2023
Duration:	Fixed Term 12 months, or available until 31/08/2024, whichever is sooner

JOB PURPOSE:

To be an active member in Prof Margariti's research team (<https://margaritilab.com/>)

<https://pure.qub.ac.uk/en/persons/andriana-margariti/> in WWIEM to assist in projects on blood vessel and cardiac organoids generation in the context of the cardiovascular diseases and diabetes.

MAJOR DUTIES:

1. Develop and plan experiments on blood and cardiac organoids to elucidate the underlying mechanisms of vascular dysfunction in cardiovascular diseases and diabetes.
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.
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 relevant PhD. (The candidate must have submitted their PhD thesis at the closing date).
2. Relevant experience on vascular biology and /or vascular diseases.
3. Ability to contribute to broader management and administrative processes.
4. Contribute to the School's outreach programme by links with industry, community groups etc.
5. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
6. Ability to communicate complex information clearly.
7. Ability to build contacts and participate in internal and external networks.
8. Demonstrable intellectual ability.
9. Ability to assess and organise resources.

DESIRABLE CRITERIA:

1. Experience on stem cells, vascular differentiation, blood vessel and cardiac organoids generation.
2. Differentiation towards endothelial cells.
3. Experience on functional assays related to vascular disease.

4. Knowledge on single cell sequencing and analysis.
5. Knowledge and experience on in vivo models related to vascular diseases.