

Job Description: Senior Research Officer – National Cardiovascular Research Network

Faculty:	Faculty of Medicine, Health & Life Sciences
Department/Subject:	Medical School
Salary:	Grade 9: £47,389 - £56,535 per annum together with USS pension benefits
Hours of work:	Full time – 1 FTE
Number of positions:	1
Contract:	This is a fixed term position for up to 2 Years
Location:	This position will be based at the Singleton Campus

Main Purpose of Post	1. To develop a research programme focussed on the mechanisms underpinning sex differences in heart disease. 2. To advance the translational research capacity of the National Cardiovascular Research Network (NCRN) linking dysfunctional molecular, cellular and tissue-level architecture to the origins of myocardial disease in men and women. 3. To devise and deploy innovative approaches to study human tissue that inform new approaches for next-generation drug design to tackle heart muscle disorders. 4. To build a multidisciplinary research team aligned with the focus of cardiovascular sciences in Swansea University and its allied health board. 5. To support the NCRN to embed research excellence, vibrant cross-centre collaboration, career progression and mentorship as core Network activities.
	6. Drive forward and pro-actively conduct research, including gather, prepare and analyse data and present results, exhibiting a degree of independence in terms of specifying the focus and direction of that research. 7. Prepare reports, draft patents and papers describing the results of the research, both confidential and for publication. The writing and publishing of research papers, particularly those intended for publication in refereed (eg international) journals or comparable is an integral part of the role. At this grade you will be required to develop an extensive track record of publications as the principle author. 8. Identify and pursue sources of external funding to support own work and that of others within the Faculty. As an integral part of the work be applying independently for external research funding, where this is allowed, or to be leading the bid-writing process, if not. 9. Be self-motivated, apply and use initiative and problem-solving skills to determine research programmes and methodologies, in collaboration with colleagues or the Head of Faculty and others inside and beyond the University. 10. Participate in and develop internal and external networks to build a personal reputation, to identify sources of funding, generate income, obtain consultancy projects or build professional relationships. 11. Contribute to Faculty organisational matters in order to help it run smoothly and to help raise its external profile in the discipline. 12. Manage, direct, or supervise the work of others, for example in research teams or projects. 13. Contribute to the teaching and learning programmes in the Faculty and to supervise postgraduate or project research students if required. 14. Keep informed of developments in the discipline in specific terms and the wider applications of these developments. 15. When requested act as a representative or member of committees, using the opportunity to extend their own professional experience and standing. 16. Demonstrate and evidence own professional development, identifying development needs with reference to the Vitae Researcher Development Framework, particularly with regard to probation, appraisal, and performance reviews, and participation in training events. 17. Observe best-practice protocols in maintenance and retention of research records as indicated by HEI and Research Councils records management guidance. This includes ensuring project log-book records are deposited with the University/Principal Investigator on completion of the work.

	18. Participate in and undertake other research or administrative activities appropriate to their experience and skill, and as directed by the Head of the Faculty / Institute or such other person delegated to act with their authority.
General Duties	19. To promote equality and diversity in working practices and maintain positive working relationships. 20. To conduct the job role and all activities in accordance with safety, health and sustainability policies and management systems, in order to reduce risks and impacts arising from the work activity. 21. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University's Risk Management Policy. 22. Any other duties as agreed by the Faculty / Directorate / Service Area.
Person Specification	Essential criteria: 1. Excellent academic record including a PhD in cardiovascular science 2. Post-doctoral experience in a multidisciplinary laboratory environment, focussed on the use of human tissue 3. Evidenced ability to devise innovative approaches for the deep-characterisation of human heart tissue samples (e.g., ion channel biology, calcium imaging) 4. Track record of exploring the mechanistic basis of sex differences underpinning myocardial disease 5. Established network of collaborators able to complement and support your research vision 6. Career trajectory aligned with seeking external personal funding awards (e.g., Fellowships) in the near term. 7. Strong communication skills with the ability to convey complex information to a wide range of stakeholders using audience-appropriate language and visualisations. 8. Demonstrate an extensive track-record of publications, particularly as the principal author. 9. Evidence of applying independently for external research funding or to be leading the bid-writing process. 10. The ability to exhibit a degree of independence in terms of specifying the focus and direction of the research. 11. Previous experience of teaching or learning support, or demonstrate the ability to undertake this. 12. Project management skills and experience of managing a research project and laboratory processes (e.g., standard operating procedures, equipment schedules) Desirable Criteria 13. Excellent knowledge of the clinical-laboratory interface relating to tissue/sample heterogeneity 14. An emerging international profile as an independent-track cardiovascular researcher 15. Experience of supervising undergraduate or postgraduate student projects 16. Evidence of commitment to Continuing Professional Development
Welsh Language Level	Level 1 – 'a little' - pronounce Welsh words. Able to answer the phone in Welsh (good morning / afternoon). Able to use very basic every-day words and phrases (thank you, please etc.). Level 1 can be reached by completing a one-hour training course. For more information about the Welsh Language Levels please refer to the Welsh Language Skills Assessment web page, which is available here.
Additional Information	Informal enquiries: Prof. Christopher George email: christopher.george@swansea.ac.uk