

Job Description: Senior Research Officer

Faculty:	Medicine, Health and Life Sciences
Job Title:	Senior Research Officer
Department/Subject:	Data Science
Salary:	Grade 9: £46,735 to £55,755 per annum together with USS pension benefits
Hours of work:	35 hours per week (100% FTE)
Number of positions:	1
Contract:	This is a fixed term position until 30 th September 2027
Location:	This position will be based at Singleton Campus

Main Purpose of Post	<p>Applications are invited for the position of senior research epidemiologist in suicide prevention for the ADR Suicide Prevention Programme, based at Swansea University, led by Prof. Ann John.</p> <p>Join a highly, renowned multidisciplinary team at Swansea University Medical School to conduct population mental health research, analysing a world-class population-level dataset containing billions of records using a mix of traditional and novel analytical methodologies. This is an exciting opportunity to make your work count, with the potential to have real impact on preventing suicide, improving self-harm interventions and informing policy decision making in Wales. You will work often with novel datasets or linkage as part of the ADR Programme.</p> <p>ADR Wales brings together world-renowned data science experts, leading academics and specialist teams within Welsh Government to produce evidence that shapes future policy decisions in Wales. The partnership is ideally placed to maximise the utility of anonymous and secure data to shape public service delivery, which will ultimately improve the lives of people in Wales. Read more about this here ADR Wales - ADR UK</p>
	<ol style="list-style-type: none"> 1. To process and analyse large scale health and social care data from multiple sources within the SAIL Databank, including health records, social care data, and educational data, developing linked datasets for deep phenotyping and mental health related e-cohorts to answer research questions. 2. To work closely with the NCSR, NCMH, DATAMIND, Brain and Genomics UKRI Mental Health Platform Hub, HDRUK, the SAIL databank and other teams, supporting translation of research questions into forms that can be run against the SAIL databank. 3. To lead the development of and undertake highly complex and structured data analysis, appropriately managing data cleaning and harmonisation, and documentation of the methodology. 4. 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. 5. 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. 6. 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. 7. 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. 8. 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. 9. Contribute to Faculty organisational matters in order to help it run smoothly and to help raise its external profile in the discipline.



	<ol style="list-style-type: none">10. Manage, direct, or supervise the work of others, for example in research teams or projects.11. Contribute to the teaching and learning programmes in the Faculty and to supervise postgraduate or project research students if required.12. Keep informed of developments in the discipline in specific terms and the wider applications of these developments.13. When requested act as a representative or member of committees, using the opportunity to extend their own professional experience and standing.14. 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.15. 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.16. 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	<ol style="list-style-type: none">17. To promote equality and diversity in working practices and maintain positive working relationships.18. 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.19. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University's Risk Management Policy.20. Any other duties as agreed by the Faculty / Directorate / Service Area.
Person Specification	<p>Essential criteria:</p> <ol style="list-style-type: none">1. A PhD or equivalent in Epidemiology, Data Science, Psychiatry, Public Health or a related discipline2. Demonstrate an extensive track-record of publications, particularly as the principal author.3. Evidence of applying independently for external research funding or to be leading the bid-writing process.4. The ability to exhibit a degree of independence in terms of specifying the focus and direction of the research.5. Previous experience of teaching or learning support, or demonstrate the ability to undertake this.6. Project management skills and experience of managing a research project or similar7. Demonstrate an understanding of relational databases concepts and experience of their use.8. Experience of working with very large, linked data. Specifically, in working with routine data such as GP records and hospital admissions.9. Evidence of the ability to build and use complex SQL queries to interrogate complex large datasets.10. Evidence of the ability to run appropriate analysis on large datasets using statistical/programming language, such as R, Stata or Python.11. Demonstrate an understanding of clinical coding thesauri and their use in the NHS.12. Good communication skills both written and oral.13. A commitment to continuous professional development <p>Desirable Criteria</p> <ol style="list-style-type: none">14. Experience of supervising undergraduate or postgraduate student projects15. Evidence of commitment to Continuing Professional Development16. Postdoctoral experience and evidence of published research work related to mental health, suicide and/ or self-harm.17. Experience or knowledge of applying epidemiological techniques related to causal inference methods (e.g. natural experiments, pre-post and longitudinal designs, negative controls, propensity score analyses) on large datasets.18. Experience or knowledge of genetic epidemiology/ population genetics.



	19. Experience of supervising undergraduate or postgraduate student projects.
Welsh Language Level	<p>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.</p> <p>For more information about the Welsh Language Levels please refer to the Welsh Language Skills Assessment web page, which is available here.</p>
Additional Information	<p>Informal enquiries: Marcos Del Pozo Banos (m.delpozobanos@swansea.ac.uk) Amanda Marchant (a.l.marchant@swansea.ac.uk)</p>

