Job Description: Research Officer

Faculty:	**Faculty of Medicine, Health and Life Sciences**
Department/Subject:	**Medicine**
Salary:	**Grade 08 £39,105 - £45,163 per annum together with USS pension benefits**
Hours of work:	**35 hours per week**
Number of positions:	**1**
Contract:	**This is a fixed term to 31st January 2028**
Location:	**This position will be based at the Singleton Campus**

Main Purpose of Post	Successful candidates will be working on various projects within the Population, Psychiatry, Suicide and Informatics team (PPSI) portfolio. The team is led by Prof. Ann John, co-director of DATAMIND (which has been successful in securing funding for a further 5 years), principal investigator of the National Center for Mental Health, and lead of the Data Science theme in the Wolfson centre for Young People's Mental Health. The primary focus will be on a major research project focused on risk stratification for early-onset major depressive disorder. The project aims to develop and validate a risk-stratification model using routine healthcare data to identify young people at ultra-high risk of developing early-onset depression, particularly focusing on offspring of parents with mental illness. **Key Duties and Responsibilities:** 1. Conduct analyses of large-scale routine healthcare data within the ADP and SAIL Databanks to develop and validate risk-stratification models for early-onset depression 2. Process and analyze data from multiple sources within the ADP and SAIL Databanks, including health records, social care data, and educational data 3. Contribute to the development of statistical methodologies for risk prediction modeling
	4. Collaborate with international partners on validation studies 5. Write reports and papers and present research results to peers at conferences and industry collaborators 6. Undertake highly complex and structured data analyses, dealing appropriately with potentially duplicated records, missing and erroneous data 7. Pro-actively contribute to and conduct research, including gathering, preparing and analyzing data and presenting results 8. Be self-motivated, apply and use initiative, aiming to determine suitable ways to tackle challenges 9. Use creativity to analyze and interpret research data and draw conclusions on the outcomes 10. Interact positively and professionally with other collaborators and partners 11. Contribute pro-actively to the development of external funding applications 12. Keep informed of developments in the field 13. Maintain and enhance links with professional institutions and other related bodies 14. Observe best-practice protocols in maintenance and retention of research records
General Duties	15. To promote equality and diversity in working practices and maintain positive working relationships. 16. 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. 17. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University's Risk Management Policy. 18. Any other duties as agreed by the Faculty / Directorate / Service Area.
Person Specification	**Essential criteria:** 1. PhD in Statistics, Data Science, Epidemiology, Psychology or related discipline

	2. Evidence of writing and publishing research papers, particularly for refereed journals 3. Evidence of the capacity for designing research and writing applications for external research funding 4. Ability to demonstrate significant independence of focus and direction in research 5. Evidence of expertise in a programming language such as SQL, R, Stata or Python 6. Experience in analysing large-scale healthcare datasets 7. Evidence of designing and conducting complex analyses and interpreting the results 8. Good communication skills both written and oral 9. A commitment to continuous professional development **Desirable Criteria** 10. Experience in mental health research and health informatics 11. Experience with routine healthcare data analysis 12. Knowledge of psychiatric epidemiology 13. Experience of supervising undergraduate or postgraduate student projects 14. Experience with predictive modeling and machine learning approaches 15. Track record of publication in relevant field
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](#).