Prifysgol Abertawe
Swansea University

Job Description: Professional Service Positions

College/School:	Swansea University Medical School
Job Title:	Laboratory research technician - ANTC
Department/Subject:	Neuroscience/ Biomedical Sciences/ SUMS
Salary:	Grade 05 £26,707 - £29,558 per annum pro rata together with NEST pension benefits
Hours of work:	Part-time 14hrs per week (40% FTE)
Contract:	Fixed term until 31st March 2028
Location:	This position will be based at the Singleton Campus

Introduction	Applications are invited for a laboratory (research) technician in neuroscience. The post is funded as part of Health Care Research Wales 'Advanced Neurotherapies Centre - ANTC'. The post will support cross-disciplinary neuroscience research projects with a focus on MS and neuroinflammatory conditions.
Background information	ANTC is a Welsh research facility administrated through Cardiff University (formerly known as the BRAIN unit) dedicated to developing and delivering treatments for complex neurological conditions. ANTC at Swansea is a collaborative workstream focussed on delivering new biomarkers, genes and neuropathology to unravel the biological heterogeneity of neurodegenerative and neuroinflammatory diseases. Neuroscience research at Swansea comprises senior investigators, researchers and lecturers, who work on understanding the biological basis of a range of neurodegenerative and neuroinflammatory diseases. You will interact with PI, postdoc researchers and postgraduate students and provide laboratory and technical support to projects investigating the neurochemical and cell biological basis of diseases, such as multiple sclerosis, Parkinson's and Alzheimer's disease. You will work with colleagues across the department to facilitate ongoing and new collaborative studies. You will handle clinical and post-mortem samples in projects using tissue staining, quantitative morphometry and fluid (CSF and serum) analysis. This position is for an enthusiastic and motivated biomedical graduate with proven laboratory based experience in neuroscience and/ or someone currently enrolled in part time post-graduate study relevant to the role. It is essential that the candidate is available to work from January 2027.
Main Purpose of Post	1. To support collaborations with ANTC and other ongoing projects in the laboratory. 2. To develop and apply your proven neuroscience laboratory skills in tissue sectioning, immunostaining and/ or protein analysis. 3. Assist in the gathering and analysing of data from clinical and post-mortem cohorts, with a focus on biological processes underpinning MS progression. 4. To handle and prepare fixed and fresh-frozen human tissue samples suitable for research. 5. To perform immunostaining and in situ hybridisation of prepared samples. 6. To perform brightfield and fluorescence (epi-fluorescence and confocal) microscopy analysis. 7. To capture data and handle appropriately in Excel and in statistical analysis packages. 8. To write and maintain accurate records of the research being undertaken. 9. To communicate and present research results within the research group, at meetings, and through other recognised avenues, as appropriate. 10. To ensure laboratory equipment is used correctly and to monitor reagents and order replacement items when the need arises. 11. To update your knowledge within the area through discussions and reading relevant literature. 12. To provide technical advice in relation to the research, and the techniques used, to other staff members within the research group.

General Duties	1. To fully engage with the University's Performance Enabling and Welsh language policies 2. To promote equality and diversity in working practices and to maintain positive working relationships. 3. To lead on the continual improvement of health and safety performance through a good understanding of the risk profile and the development of a positive health and safety culture. 4. Any other duties as directed by the Head of College / Department or their nominated representative expected within the grade definition. 5. To ensure that risk management is an integral part of your day to day activities to ensure working practices are compliant with the University's Risk Management Policy.
Professional Services Values	All Professional Services areas at Swansea University operate to a defined set of Core Values - Professional Services Values and it is an expectation that everyone is able to demonstrate a commitment to these values from the point of application through to the day to day delivery of their roles. Commitment to our values at Swansea University supports us in promoting equality and valuing diversity to utilise all the talent that we have. **We are Professional** We take pride in applying our knowledge, skills, creativity, integrity and judgement to deliver innovative, effective, efficient services and solutions of excellent quality **We Work Together** We take pride in working in a proactive, collaborative environment of equality, trust, respect, co-operation and challenge to deliver services that strive to exceed the needs and expectations of customers. **We Care** We take responsibility for listening, understanding and responding flexibly to our students, colleagues, external partners and the public so that every contact they have with us is a personalised and positive experience. Commitment to our values at Swansea University supports us in promoting equality and valuing diversity to utilise all the talent that we have.
Person Specification	**Essential Criteria:** **Qualification:** A levels or equivalent in the sciences; a relevant professional qualification and neuroscience laboratory experience. Available to start work in January 2027. **Experience:** Laboratory experience in a biomedical research facility, preferable in neuroscience research. **Knowledge and Skills:** 1. Evidence of planning skills and an ability to conduct work in line with the objectives of the project. 2. Enthusiasm for biomedical and neuroscience research. 3. IT skills, to include all Microsoft Office Packages. 4. Ability to communicate their work with peers and more senior colleagues. 5. Excellent communication skills, both written and oral. 6. Ability to follow set procedures and follow protocols meticulously. 7. The ability to analyse and present data using appropriate software packages. **Desirable Criteria:** 1. A BSc or MSc in a Biosciences related subject. 2. A familiarity with image processing software.

	3. Research experience in neuroscience and or currently enrolled in a part time research master's relevant to the role. **Values:** • Demonstrable evidence of taking pride in delivering professional services and solutions • Ability to work together in an environment of equality, trust and respect to deliver services that strive to exceed the needs and expectations of customers • Demonstrable evidence of providing a caring approach to all of your customers ensuring a personalised and positive experience
Additional Information	Informal enquiries: Dr Owain Howell o.w.howell@swansea.ac.uk