

**Job Description: Postdoctoral Research Assistant**

<b>Faculty:</b>	<b>Faculty of Science and Engineering</b>
<b>Department/Subject:</b>	<b>Chemistry</b>
<b>Salary:</b>	<b>Grade 7, point 30: £37,099 per annum with USS benefits</b>
<b>Hours of work:</b>	<b>Full time</b>
<b>Number of positions:</b>	<b>1</b>
<b>Contract:</b>	<b>This is a fixed term position for 24 months</b>
<b>Location:</b>	<b>This position will be based at the Singleton Campus</b>

<b>Main Duties</b>	<ol style="list-style-type: none"> <li>1. To undertake research at the chemistry/biology interface that aims to isolate novel radiosensitizers active towards cancerous cells. This will involve a combination of synthetic inorganic chemistry and cancer cell biology, including use of ionizing radiation.</li> <li>2. To contribute to the maintenance and daily running of the lab, including day-to-day supervision of PhD and project students.</li> <li>3. To liaise effectively with collaborators, including willingness to undertake a 6 month placement in Bangor University.</li> </ol>
<b>General Duties</b>	<ol style="list-style-type: none"> <li>4. Pro-actively contribute to and conduct research, including gather, prepare and analyse data, generate original ideas and present results.</li> <li>5. Prepare reports, draft patents and papers describing the results of the research, both confidential and for publication.</li> <li>6. Be self-motivated, apply and use their initiative, aiming to determine suitable ways to tackle challenges and seeking guidance when needed.</li> <li>7. Interact positively and professionally with other collaborators and partners within the Faculty and elsewhere in the University and beyond as appropriate such as in industry/commerce, public organisations, hospitals and academia.</li> <li>8. Contribute to Faculty organisational matters in order to help it run smoothly and to help raise its external research profile.</li> <li>9. Keep informed of developments in the field in technical, specific and general terms and their wider implication for the discipline area, commercial applications and the knowledge economy.</li> <li>10. When requested act as a representative or member of committees, using the opportunity to extend their own professional experience.</li> <li>11. Demonstrate and evidence own professional development, identifying development needs with reference to the Vitae Researcher Development Framework, particularly with regard to probation, PDR and participation in training events.</li> <li>12. Maintain and enhance links with the professional institutions and other related bodies.</li> <li>13. 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.</li> <li>14. To promote equality and diversity in working practices and maintain positive working relationships.</li> <li>15. 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.</li> <li>16. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University's Risk Management Policy.</li> <li>17. Any other duties as agreed by the Faculty / Directorate / Service Area.</li> </ol>



<b>Person Specification</b>	<b>Essential criteria:</b> <ol style="list-style-type: none"><li>1. A PhD in Chemistry, Chemical Biology or Medicinal Chemistry or a related discipline (including PhD candidates ready to submit their thesis).</li><li>2. Evidence of the ability to actively engage in and contribute to writing and publishing research papers, particularly for refereed journals.</li><li>3. Experience in the synthesis of inorganic, organometallic and/or organic molecules, including characterisation (e.g. FT-IR, NMR, UV-Vis, MS)</li><li>4. Experience in 2D cell culture and cell-based assays</li><li>5. A commitment to continuous professional development</li></ol> <b>Desirable Criteria</b> <ol style="list-style-type: none"><li>6. Experience in immunofluorescence and immunoblotting assays</li></ol>
<b>Welsh Language Level</b>	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 <a href="#">here</a> .
<b>Additional Information</b>	

