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|  | 1. Pro-actively contribute to and 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.
2. Assist in supervising graduate and undergraduate students.
3. Contribute to the development of the experimental technique and data analysis methods.
4. Contribute to the maintenance and daily running of the lab.
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|  | 1. Prepare reports, draft patents and papers describing the results of the research, both confidential and for publication. The appointee is expected to be actively engaged in the writing and publishing of research papers, particularly those intended for publication in refereed (eg international) journals or comparable as a normal part of their role.
2. Be self-motivated, apply and use their initiative, aiming to determine suitable ways to tackle challenges and seeking guidance when needed
3. Use creativity to analyse and interpret research data and draw conclusions on the outcomes
4. Interact positively and professionally with other collaborators and partners within the Faculty, elsewhere in the University and beyond both in industry/commerce and academia.
5. Contribute pro-actively to the development of external funding applications to support their own work, that of others and the Faculty and the Institution in general. The appointee will be expected as a normal part of their work to be actively engaged in writing, or contributing to writing such applications.
6. Keep informed of developments in the field in both technical and specific terms and the wider subject area and the implication for commercial applications and the knowledge economy or academia.
7. Demonstrate and evidence own professional development, identifying development needs with reference to Vitae Researcher Development Framework particularly with regard to probation, performance reviews, and participation in training events.
8. Maintain and enhance links with the professional institutions and other related bodies.
9. 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.
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|  | 1. To promote equality and diversity in working practices and maintain positive working relationships
2. 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
3. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University’s Risk Management Policy.
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|  | 1. An undergraduate degree in Physics, Chemistry, Material Engineering or Chemical Engineering, a PhD in the subfields of either physical chemistry, chemical physics or physics and post-doctoral research experience in the fields of surface science and/or molecular beam experiments. 
2. Evidence of the capacity for active engagement in designing research and writing, or contributing to writing, applications for external research funding.
3. Evidence of active engagement, personal role, and contribution to writing and publishing research papers, particularly for refereed journals.
4. Ability to demonstrate significant independence of focus and direction in research – determining ‘what, why, when and with whom’ to progress work.
5. Experience using vacuum and cryogenic technology.
6. Experience of supervising undergraduate or postgraduate student projects.
7. A commitment to continuous professional development.

Level 1 – ‘a little’ (you do not need to be able to speak any welsh to apply for this role)1. Experience in experimental surface science research work performed under ultra-high-vacuum conditions.
2. Experience in using atomic/molecular beams.
3. Experience in performing computational research work (particularly with MATLAB).
4. Experience of presenting research results at conferences.
5. Experience in developing scientific instruments.
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|  | Applications for this role will take the form of a CV submission and a cover letter. Please include a description of how you meet the essential (and desirable) criteria in the cover letter, and the contact details of two referees either in the CV or cover letter.Interview dates will be determined by candidate availability. Informal enquiries are welcome and should be addressed to Helen Chadwick (). |

  