

JOB DESCRIPTION

Vacancy Ref: A3114

Job Title: Innovation Fellow in Chemical Science (catalyst synthesis)	Present Grade: Grade 7
Department/College: Chemistry	
Directly responsible to: NextGenChem Programme Manager & Academic Chair (cTAP Academic Lead)	
Supervisory responsibility for: Responsible for some PhD students	
Other contacts	
<p>Internal: NextGenChem Programme Manager, Head of Business Partnerships and Enterprise, Business Development Team, Academic staff, other FST staff and researchers</p> <p>External: Directors and Managers of SMEs, SME employees, Industry Partners, LEP, Yordas Team</p>	
Major Duties:	
<ol style="list-style-type: none"> 1. Engage in a range of industry-focused projects of various durations; 2. Analyse the problem and effect the solution 3. Application of catalytic techniques to solve industry problems 4. To translate university techniques into industry solutions 5. To write reports to industry and help with translation of the solution to industry partners 6. Build capability and capacity in catalytic chemistry including robotic screening, and use of hydrogen in the circular chemical economy at Lancaster 7. To be an active and leading participant with a research group working in the area of catalysis 8. To develop the use of industry applicable catalytic processes; solve industry problems 9. To develop a new industry-friendly robotic screening platform for the discovery of a new catalyst for industry application. 10. To contribute to the day-to-day running of the catalysis lab, including the upkeep of safety documentation and the organisation of training for new staff and students. 11. The organisation and participation in regular project meetings with colleagues at Lancaster, Yordas team and industry for the preparation and presentation of talks, posters and reports to disseminate the results of these studies. 12. Ensure all client information is kept up to date through the completion of registration forms, visit reports, databases and other related administration 13. Participation in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field. 14. Preparation of journal papers for publication of project findings. <p style="text-align: center;">This post is part-funded by the European Regional Development</p>	



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