

PERSON SPECIFICATION

Vacancy Ref: A3283

Job Title:	Research Associate	Present Grade:	6
Department/College:	Engineering Department		
Directly responsible to:	Dr Xiaodong Wang		
Criteria	Essential/ Desirable	Application Form/ Supporting Statements/ Interview*	
An honours degree in Chemistry, Chemical Engineering, or related discipline. EngD or PhD (or near completion) in a relevant field to catalysis, or similar discipline.	Essential	Application Form	
Knowledge of heterogeneous (photo) catalysis and the ability to synthesise, characterise and testing catalysts. Knowledge of hydrogenation reactions and the ability to perform this type of reaction.	Essential	Interview / Supporting Statements	
Demonstrable ability to collect, analyse and interpret experimental, especially characterisation and reaction, or simulated data.	Essential	Interview / Supporting Statements	
Demonstrable publication record of research in a relevant area.	Essential	Application Form	
The desire and flexibility to work at the bases of both of the collaborative partners and willingness to travel within the UK and internationally when appropriate.	Essential	Interview / Supporting Statements	
Good verbal, communication and interpersonal skills. Experience of working in a team and contributing to a collaborative effort.	Essential	Interview / Supporting Statements	
Experience of regenerating cofactor NAD(P)H.	Desirable	Interview / Supporting Statements	
Experience of dealing with and analysing biological molecules (using enzymatic assays).	Desirable	Interview / Supporting Statements	
Experience of developing continuous-flow liquid phase chemical reactor.	Desirable	Interview / Supporting Statements	

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence eg award of a PhD. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicant are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.