

PERSON SPECIFICATION – Research Associate

Vacancy Ref: A2681

Job Title:	Research Associate	Present Grade: 6
Department/College:	Engineering Department	
Directly responsible to:	Dr Hungyen Lin	
Criteria	Essential/ Desirable	Application Form/ Supporting Statements/ Interview*
A good knowledge of applying data mining and machine learning techniques to experimentally acquired data/ waveforms (e.g. neural network, support vector machine, genetic algorithms) and proven coding experience in Matlab or related	Essential	Application Form / Supporting Statements/ Interview
Some knowledge of terahertz measurement, optical coherence tomography, or related	Desirable	Interview/ Supporting Statements
A good track record in applying data mining and machine learning to industrial problems as evidenced through peer-reviewed publications or relevant industrial experience.	Desirable	Application Form
Some knowledge of pharmaceutical manufacturing and especially in tablet film coating.	Desirable	Interview/ Supporting Statements
A PhD (or about to obtain) in Electronics/Electrical Engineering, Computer Science or Chemical Engineering.	Essential	Application Form
Be an effective communicator with good inter-personal skills and a strong command of English. Be able to write competently in a good scientific style and be familiar with preparing scientific reports and oral presentations.	Essential	Application form/ Interview/ Supporting Statements
The appointee should have the ability to co-operate with others and work as part of a team and be flexible in approach. Should be enthusiastic, well-organised and capable of independent study.	Essential	Interview

- **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.