



PERSON SPECIFICATION

Vacancy Ref: A3550

Criteria	Essential/ Desirable Grade 6	Application Form / Supporting Statements/ Interview
An undergraduate degree in Physics, Computer Science or other relevant scientific subject	Essential	Application Form
Knowledge of physics relevant to optics, and optoelectronics.	Essential	Application Form and interview
Ability to develop and apply computational models to experimental data, judging the best algorithm to model the data.	Essential	Supporting statements, interview
Ability to apply statistics to results to understand key figures of merit.	Essential	Supporting statements, interview
Experience of working in a laboratory setting, to collect experimental data using optical microscopes and Raman microscopes.	Desirable	Supporting statements, interview
Able to manage a project involving several people.	Essential	Application Form and interview
Able to work collaboratively, as part of a team.	Essential	Interview
Experience in programming (e.g. Python, Java, C++, Matlab, LabView etc.)	Essential	Application Form and interview
Experience in analysing data with Python, Matlab or Origin.	Desirable	Supporting statements, interview
Demonstrated ability to learn new analytical and experimental techniques through self-directed learning	Desirable	Supporting statements and interview
Ability to follow and ensure strict safety procedures and safety checks commensurate with the handling of nanomaterials and general laboratory activities, including producing risk assessments, understanding COSHH and MSDS.	Desirable	Supporting statements, interview
Good verbal, communication and interpersonal skills	Essential	Interview
Willingness to travel to visit international collaborators and give presentations at conferences	Desirable	Interview

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence e.g. award of a qualification. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicants 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.