**PERSON SPECIFICATION:**

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Essential/ Desirable** | **\* Application Form/ Supporting Statements/ Interview**  |
| PhD (or recently completed PhD viva) in experimental Physics or related discipline. | Essential | Application form |
| Ability to contribute to publications in high quality journals and to present work at international conferences. | Essential | Application form/ supporting statement |
| Expertise in characterising materials using advanced scanning probe microscopy including scanning tunnelling microscopy (STM). | Essential | Supporting statement |
| Expertise of working with ultra-high vacuum (UHV) equipment. | Essential | Supporting statement |
| Experience of working with single molecules and/or molecular thin films.  | Essential | Supporting statement |
| Experience with supervision and managing laboratory equipment and resources. (Grade 7) | Essential | Supporting statement/ interview |
| Ability to lead research tasks, work independently, define research objectives, and prioritising and planning research to drive project progress. (Grade 7) | Essential | Supporting statement/ interview |
| Experience in cryogenic handling including liquid nitrogen. | Desirable | Supporting statement |
| Expertise in characterising materials using X-ray photoelectron spectroscopy (XPS). | Desirable | Supporting statement |
| Knowledge of electrical transport in organic materials and memristive behaviour.  | Desirable | Supporting statement |
| Excellent interpersonal and communication skills and ability to co-operate with others. | Desirable | Supporting statement/ interview |

* Application Form – Normally used to evaluate factual evidence eg award of a PhD. 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.