

Senior Research Associate in Superconducting Quantum Amplifiers

PERSON SPECIFICATION

Job vacancy:

Criteria	Essential/ Desirable	Application Form/ Supporting Statements/ Interview*
A PhD in experimental condensed matter physics or related discipline	Essential	Application Form
A good understanding of experimental and theoretical research in the field of quantum electronic devices	Essential	Application Form/ Supporting Statements/ Interview
Publication record appropriate to stage of career including first-author research publications in peer-reviewed journals	Essential (G7) Desirable (G6)	Application Form
Experience in measurement techniques at low temperature, including radio-frequency and microwave-frequency experiments; and experience of data analysis and interpretation	Desirable	Application Form/ Supporting Statements/ Interview
Hands-on experience in nanofabrication techniques such as circuit design, photo- and electron-beam lithography and thin-film deposition	Desirable	Application Form/ Supporting Statements/ Interview
Ability to write and contribute to research reports, publications and funding applications	Desirable	Application Form/ Supporting Statements/ Interview
Ability to contribute to the research team objectives without close guidance and to develop their own research profile within the overall direction of the group	Desirable	Application Form/ Supporting Statements/ Interview
Effective interpersonal skills: ability to communicate well, promote the results of the project, provide appropriate guidance for colleagues, and give advice and direction to students	Desirable	Application Form/ Supporting Statements/ Interview
Effective computer programming skills	Desirable	Application Form/ Supporting Statements/ Interview
Ability to start as soon as possible	Desirable	Application Form/ Supporting Statements/ Interview

- Application Form** – assessed against the application form, curriculum vitae and letters of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence, e.g., 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 competency-based interview questions, tests, presentation, etc.