



PERSON SPECIFICATION

Details on the qualifications, experience, skills, knowledge and abilities that are needed to fulfil this role are set out below.

Job Title: Postdoctoral Research Assistant in Superconducting Quantum Devices - Parawave

Department: Physics

	Essential	Desirable	Tested By (Application form, Interview, Test)
Qualifications and Training			
Educated to PhD level.	X		Application Form
Specific Skills, Experience and Knowledge			
PhD or PDR experience in Superconducting Quantum Devices	X		Application Form
Experience of:			
Superconducting Quantum Device Design		X	Application Form and Interview
Modeling and Data Analysis	X		Application Form and Interview
Nanofabrication, including optical and electron beam lithography, thin film deposition and characterisation	X		Application Form and Interview
milliKelvin RF measurement	X		Application Form and Interview
Wider knowledge of superconducting quantum device physics		X	Application Form and Interview
Working in high quality academic research environments		X	Application Form
Personal and Interpersonal Qualities			
Excellent scientific verbal and written communication and presentational skills	X		Interview
Scientific supervisory skills of UG and PG students		X	Application Form and Interview
Ability to work in a collaborative team	X		Application Form and Interview
Capacity for Career Development			
Track record of authorship of and contributions to scientific publications		X	Application Form and Interview
Track record of writing successful research grant proposals		X	Application Form and Interview
Circumstances			
Willingness to travel for conferences and short term work at partner sites		X	Interview