

**JOB DESCRIPTION**

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| **Job Title:** **Research Associate in Superconducting RF Engineering (Cockcroft Institute)** | Grade 6P |
| **Department/College:** Engineering | |
| **Directly responsible to:** Dr Harry Marks | |
| **Supervisory responsibility for:** Help co-supervise PhD students at Cockcroft | |
| **Other contactsInternal:** Prof Graeme Burt, All Lancaster Cockcroft staff and students  **External:**  All Cockcroft staff, Engineers at Daresbury Laboratory, collaborators at STFC Daresbury Laboratory | |
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| **Major Duties**   1. To lead in the development of superconducting RF cavities and RF measurements   This may include depending on the applicant include:   * Design of RF cavities and components using microwave simulation software * Performing RF measurements of prototype cavities * Operate and commission RF test stands * Analyze data from RF tests * Publication in peer reviewed journals as a 1st author * Help supervise PhD students on the project * Liaise with collaborators at Cockcroft * Give invited talks at conferences * Help in other SRF related projects at Lancaster University   **Other Duties** | |