

**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** |