## JOB DESCRIPTION
RF Engineer, Vacancy Ref: A2146

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate in Accelerator RF Engineering (Cockcroft Institute)</th>
<th>Grade 6P</th>
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</thead>
<tbody>
<tr>
<td>Department/College:</td>
<td>Engineering</td>
<td></td>
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<tr>
<td>Directly responsible to:</td>
<td>Dr Graeme Burt</td>
<td></td>
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<tr>
<td>Supervisory responsibility for:</td>
<td>Help co-supervise PhD students at CERN</td>
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### Major Duties

1) To lead in the development of normal conducting accelerating cavities high gradient testing for CLIC at CERN  
This will include:
   - Design of RF cavities and components using microwave simulation software  
   - Performing RF measurements and tuning on prototype cavities  
   - Operate high power klystrons and pulse compressor  
   - Analyze data from high power RF tests  
   - Programme control systems  
   - Publication in peer reviewed journals as a 1st author  
   - Help supervise PhD students on the project  
   - Liaise with collaborators at CERN  
   - Give invited talks at conferences  
   - Help in other RF related projects at CERN as directed by Lancaster University