## JOB DESCRIPTION

<table>
<thead>
<tr>
<th><strong>Job Title:</strong></th>
<th>Post-Doctoral Research Assistant in Low Temperature Physics</th>
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<tbody>
<tr>
<td><strong>Department / Unit:</strong></td>
<td>Physics</td>
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<tr>
<td><strong>Grade:</strong></td>
<td>RHUL 7</td>
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<td><strong>Accountable to:</strong></td>
<td>Professor of Low Temperature Physics</td>
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</tbody>
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### Key Tasks
- To undertake research in the London Low Temperature Laboratory at RHUL to fulfil milestones and deliverables of Horizon 2020 research grant, European Microkelvin Platform. This research may be in liaison with another member of staff, but the post holder should be able to take full responsibility for the design and execution of studies.
- Operation of low temperature equipment as necessary.
- Working on JRA5 to develop experimental tools for physical property measurements at ultralow temperatures for quantum materials to enable their fundamental understanding beyond current knowledge.
- Working on WP18 Innovation Activities (Enhanced platforms for ultralow temperatures, Enhanced materials for Heat Exchangers)
- Research collaboration with scientists within the EMP.
- To analyse data and interpret any results obtained
- To ensure the validity and reliability of data at all times
- To maintain accurate and complete records of all findings
- To produce and document the results of such studies
- To write reports for submission to research sponsors
- To present findings to colleagues and at conferences
- To draft and contribute to publications for submission to refereed journals
- To provide guidance to staff and students
- To attend relevant workshops and conferences as necessary
- To take part in the supervision of postgraduate students
- To take initiatives in the planning of research
- To promote the reputation of the Group, the Department and the College

### Other duties for this post include:
- To undertake appropriate administration tasks
- To attend relevant meetings
- To undertake any necessary training and/or development
- To undertake specific safety responsibilities relevant to individual roles, as set out in the College procedures
- Maintain safe workplace practice and procedures in accordance with the requirements of Health and Safety legislation;
- Maintain an up to date knowledge of relevant statutory Health and Safety legislation and recommendations and attend safety training as required.
- To observe and comply with all College policies and regulations

**Other Duties**

The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by his/her manager.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.