**Job Title:** Research Associate in Experimental Low Temperature Nanoelectronics  
**Present Grade:** 6

**Department/College:** Physics

**Directly responsible to:** Dr Jonathan Prance

**Supervisory responsibility for:** Co-supervision of PhD students

**Other contacts**

**Internal:** Members of the Quantum Nanotechnology group and the Ultra-low Temperature group, departmental academic staff, administrators, technicians, researchers and students.

**Head of Department:** Prof. Roger Jones (Physics)

**External:** Partners on two EU projects: the Graphene Flagship and the European Microkelvin Platform.

**Major Duties:**

- Design, build and conduct experiments on nanoelectronic samples and devices at mK temperatures.
- Analyse results in collaboration with colleagues and external collaborators.
- Present results at relevant conferences and project meetings.
- Operate and maintain a dilution refrigerator and supporting instrumentation.
- Undertake any other duties appropriate to the grade of the post as required by Academic Staff, Head of Department or external partners.