

JOB DESCRIPTION

Post-doctoral Research Associate in the Theory of Molecular Electronics

Vacancy Ref: A1868

Job Title: Research Associate in the theory of molecular electronics	Present Grade: 7
Department/College: Physics	
Directly responsible to: Prof Colin Lambert	
Supervisory responsibility for: Co-supervision of PhD students	
Other contacts	
Internal: Members of Prof Lambert's research group comprising 4 postdoctoral researchers and 16 PhD students	
External: Collaborators from Durham and Cambridge universities within the EPSRC-funded QSAMs project. A range of outside collaborators from EPSRC and EU funded projects.	
Major Duties:	
Under the guidance of Prof Lambert, the post holder will be expected to:-	
<ol style="list-style-type: none"> 1. Take responsibility for day to day project management of the EPSRC-funded QSAMs project. 2. Analyse results from computational simulations and analytical theory. 3. Contribute to the interpretation of the results. 4. Build models of molecular-scale electron and heat transport. 5. Draft scientific papers arising from the project. 6. Contribute to the development of the GOLLUM transport code. 7. Participate in national and international conferences, presenting the results of the project and learning about current advances in the field. 8. Generally help with the running of the research group, including: supervision of new/junior members of the group and PG students. 	