Ref: A1868
Job Title: Research Associate in the theory of molecular electronics
Department: Physics
Salary: £32,958 to £38,183
Closing Date: 28th August 2017
Contract: two years
Job URL: http://hr-jobs.lancs.ac.uk/Vacancy.aspx?ref=A1868.

The Physics Department, University of Lancaster is seeking an enthusiastic and creative scientist to work on the theory of molecular-scale heat and electron transport in nanoscale devices. The control of nanoscale charge and heat flow is central to modern technology. This project will explore the physical processes of thermal and electrical transport in molecular-scale structures, starting with single molecules and then translating enhanced functionality to self-assembled molecular layers.

You will work within the Lambert Group and collaborate with experimental colleagues in outside universities, within the UK and abroad. http://scholar.google.co.uk/citations?user=55vf-xgAAAAJ&hl=en&oi=ao

You must have at least a PhD in Physics and show an exceptional record of publication in leading research journals. You are expected to successfully work as part of a team with good inter-personal skills. Experience with the quantum transport code GOLLUM (or an equivalent code) and density functional theory are desirable.

Lancaster University Physics Department is strongly committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our department.

This is a fixed term appointment for 24 months.

Applicants may find some helpful information on local amenities here:
http://www.physics.lancs.ac.uk/jobs/amenities/

Informal enquiries can be made to Prof. Colin Lambert (c.lambert@lancaster.ac.uk

We welcome applications from people in all diversity groups.