

Research Fellow: 3D Structures of Size-Selected Nanoclusters

**College of Engineering and Physical Sciences
School of Physics and Astronomy**

Starting salary **£27,183** a year, in the range of £27,183 to £35,469 a year (potential progression on performance once in post to £37,651). The post is available for a period of 3.5 years

Applications are invited for a Research Fellow to work on an EPSRC funded project in the School of Physics and Astronomy. You will join a multidisciplinary team working towards understanding of three-dimensional structures of size-selected clusters at atomic-scale. Your main role in the project would be in characterizing atomic-structure of nanoclusters using the recently installed 200KV JEM2100F microscopy with illumination probe corrector and Enfina EELS spectrometer. An important component of the project is the hardware/software customization of Cs corrected microscope for atomic cluster characterization.

Applicants should have a Ph.D. in physics or materials science. A strong track record in application of analytical transmission electron microscopy based techniques (STEM, TEM, EELS) is essential. Experiences with aberration-corrected microscopes would be highly advantageous. It is also preferable that the successful candidate can demonstrate that he/she has experience or is willing to contribute to routine microscope maintenance and student training. This position would suit a highly motivated postdoctoral researcher interested in multidisciplinary research.

Informal enquiries to Dr Ziyou Li, tel: +44-(0)121 414 4593 or email z.li@bham.ac.uk

Closing date: **23rd October 2009**

Reference: [43449](#)

To download the details and submit an electronic application online visit: www.hr.bham.ac.uk/jobs
alternatively information can be obtained from 0121 415 9000.

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