Associate Professorship of Condensed Matter Physics (semiconductors, nanostructures and devices)

DEPARTMENT OF PHYSICS in association with University College From: £47,263 p.a.

The Department of Physics proposes to appoint an Associate Professor or Professor in Condensed Matter Physics (semiconductors, nanostructures and devices) with effect from 1 October 2019 or as soon thereafter as possible. The successful candidate will also be offered a Tutorial Fellowship at University College, under arrangements described in the Further Particulars. The combined University and College salary will be according to experience on a scale from £47,263 p.a. plus a housing allowance of £11,025 p.a. and a one-off settling-in allowance of £8,268. A further allowance of £2754 p.a. would be payable upon award of Full Professor title. Full Professors also have access to merit-based further pay awards.

The Associate Professor will join a lively community of condensed matter physicists which currently consists of 25 academic staff, 39 postdocs and 92 graduate students. The Semiconductors, Nanostuctures and Devices group has an outstanding portfolio in macroscopic photovoltaic and light-emitting devices, and spectroscopic analysis of semiconductors. It has an excellent track record of successfully attracting external funding for new infrastructure facilities, such as for the Wolfson Laboratory (part-funded by a Royal Society Wolfson grant) which is a well-equipped space for solution-processing of materials and devices, and the "National Thin-Film Cluster Facility for Advanced Functional Materials". The existing high-magnetic-field and cryostat dilution refrigerator facilities will be able to support nano-device work at milli-Kelvin temperatures, and under magnetic fields of up to 60T. The Nanofabrication and Electron Microscopy Facility offers electron-beam and focused ion beam lithography, electron microscopy and photolithography that will allow processing of nanometre scale devices and photonic elements.

The successful candidate will hold a doctorate in condensed matter physics, or a related field and will have a record of high-quality creative research in condensed matter physics at an international level. They will be an excellent teacher at undergraduate and graduate level, and willing to participate in the administration of University College and the Physics Department. They will be expected to develop a world-leading research programme in the area of semiconductors nanostructures and devices, teach a wide range of topics within the field of physics, and contribute to administration within the Department and College.

Further particulars, containing details of the application procedure and of the duties, may be obtained below. Enquiries may be made to Professor Robert Taylor (<u>robert.taylor@physics.ox.ac.uk</u>). Queries about the college side of the appointment should be addressed to Dr. Andrew Bell (Senior Tutor, University College) at <u>andrew.bell@univ.ox.ac.uk</u>.

Please quote departmental reference 137788 on all correspondence. Applicants should ensure that their referees send letters by the same deadline to $\underline{CMP2019@physics.ox.ac.uk}$

Applications for this vacancy are to be made online. To apply for this role and for further details, including the job description and selection criteria, please click on the link below.

https://www.recruit.ox.ac.uk/pls/hrisliverecruit/erg_jobspec_details_form.jobspec?p_id=137788

The closing date for applications is 12.00 noon on **Wednesday 6 March 2019**. Shortlisted candidates will be invited for interview during April and May 2019.

Applications are particularly welcome from women and black and minority ethnic candidates, who are under-represented in academic posts in Oxford.