

Job Description
Ref: A2239

Job Title: Lecturer (Assistant Professor) in Laser or Beam-driven Particle Acceleration in Plasma	Present Grade: 8a
Department/College: Department of Physics and the Cockcroft Institute, Daresbury	
Directly responsible to: Prof RWL Jones	
Supervisory responsibility for: N/A	
Other contacts	
Internal: Department and faculty colleagues and students, especially those in the Engineering Department and its Cockcroft Institute E-MIT sub-group, providers of student support services, the Library, ISS and central administration.	
External: Cockcroft Institute partners at the Universities of Liverpool, Manchester, Strathclyde and Daresbury Laboratory, research funding bodies and councils, the European Commission, international funding agencies, academic and research networks, employers, business organizations, professional bodies, local and national government organizations	
Major Duties: Develop research activities in the area of laser-plasma interactions, both independently and in collaboration with the Novel Particle Acceleration research programme of Lancaster. Actively participate and provide leading contributions to the laser-plasma particle acceleration and light-source research activities of Lancaster and the Cockcroft institute. Participate and contribute to national and international research collaborations in laser-plasma acceleration Regularly publish highly-cited papers in leading international peer-reviewed academic journals (and other appropriate forms of research output, including international conference proceedings and the Joint Accelerator Conference Website, JACoW) Contribute to existing postgraduate and undergraduate teaching in the Department through workshops, lecturing, tutorials and assessment etc. Develop where appropriate revisions to existing courses or new courses in terms of design, content, structure, forms of delivery, method of assessment etc.	

Supervise dissertation projects and PhD students

To take responsibility for various administrative responsibilities as requested by the Head of Department and the Cockcroft Institute Director