

**JOB DESCRIPTION**

Vacancy ref:

A2948

<b>Job Title:</b> Research Associate in Laser Wakefield Acceleration	<b>Present Grade:</b> Grade 6
<b>Department/College:</b> Department of Physics, Lancaster University	
<b>Directly responsible to:</b> Dr Elisabetta Boella and Prof Steven Jamison	
<b>Supervisory responsibility for:</b> Co-supervision of PhD and Master students	
<b>Other contacts</b> Master and PhD students, Research Associates and Academics working in the novel acceleration group at Lancaster University; Cockcroft Institute partners at the Universities of Liverpool, Manchester, Strathclyde and STFC Daresbury National Laboratory researchers; international collaborators.	
<b>Major Duties:</b>  Major Duties: <ul style="list-style-type: none"><li>• Investigate injection mechanisms to ensure high-quality beams from laser wakefield acceleration.</li><li>• Explore methods to obtain coherent radiation from wakefield acceleration.</li><li>• Contribute to the experimental programme in wakefield acceleration at Lancaster University and Cockcroft Institute, through experimental support and data analysis.</li><li>• Contribute to the supervision of PhD students working within the project.</li><li>• Presentation of results at relevant national and international meetings and conferences.</li><li>• Lead and contribute to the publication of results in peer reviewed research journals.</li></ul>	