



# UNIVERSITY OF PLYMOUTH

## JOB DESCRIPTION

**Role:** Research Fellow

**Faculty and School:** Faculty of Science and Engineering, SoCEM

**Career Pathway:** Research

**Grade:** 7

**Reports to:** Anton Ilderton

### Role Purpose:

To undertake research on the EPSRC grant "Quantum phenomena in high-intensity laser-matter interactions" under the supervision of Dr Anton Ilderton and Dr Ben King, SoCEM.

Key Accountabilities/Primary Responsibilities:	Indicators of Success:
<ul style="list-style-type: none"> <li>Develop and carry out high quality individual and/or collaborative research (including with colleagues in other institutions).</li> <li>Support and engage in research methodologies that add to the knowledge/understanding of the subject area.</li> <li>Regularly disseminate findings by taking a role in preparing high quality publication materials for referred journals, presenting results at conferences (including national and international), or exhibiting work at other appropriate events, in collaboration with colleagues.</li> </ul>	<ul style="list-style-type: none"> <li>Personal research profile</li> <li>Value of external research funding</li> <li>Participation in conferences/networks</li> <li>High quality research outputs as judged by accepted standards of excellence in relevant discipline</li> <li>External profile and reputation</li> </ul>
<ul style="list-style-type: none"> <li>Supervise and/or mentor junior colleagues and/or postgraduate research students.</li> <li>Provide expert advice in own subject area to other staff and students.</li> <li>Contributes to the delivery and continuous development of the key objectives of the EPSRC grant</li> <li>Follows the appropriate financial and regulatory policies ensuring necessary regulations and standards are adhered to</li> <li>Reviews and monitors the investigation process drawing in specialist knowledge, implementing or making recommendations for changes as appropriate</li> <li>Researches, interprets and manipulates data using a variety of systems, analysing and reporting on key findings and identifying trends</li> </ul>	<ul style="list-style-type: none"> <li>Peer feedback</li> <li>PDR feedback</li> </ul>

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- Emphasis on specific accountabilities and indicators of success will be agreed as part of your PDR.

<ul style="list-style-type: none"> <li>• Co-ordinates and contributes to complex meetings, visits, conferences, committees and facilitates knowledge exchange</li> <li>• Provides excellent input and detailed specialist advice and guidance, within an unpredictable environment, to enable appropriate solutions</li> <li>• Guides, actively collaborates and takes a lead as appropriate with colleagues and peers across the University to plan and achieve joint projects and objectives</li> <li>• Ensures all activities undertaken are in compliance with the University's Safety Policy</li> <li>• Acts in a way that demonstrates the University's commitment to Equality and Diversity for staff, students and partners</li> </ul>	
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## PERSON SPECIFICATION

Criteria	Essential	Desirable	Point of assessment
<b>Knowledge, Education and Training:</b> <ul style="list-style-type: none"> <li>• PhD or equivalent international qualification or commensurate level of recognition/ international profile in a relevant discipline.</li> <li>• Knowledge of a specific discipline sufficient to enable innovation and new understanding in the field: experience with research in theoretical physics.</li> <li>• Previous experience with external field problems in QFT.</li> </ul>	X  X  X	   X	<i>Shortlisting</i>
<b>Experience:</b> <ul style="list-style-type: none"> <li>• Sustained peer reputation and growing national reputation in field.</li> <li>• Developing track record of published research at the appropriate level.</li> <li>• Track record of contributing to and/or developing collaborative research networks.</li> <li>• Track record of presenting research findings at meetings and conferences.</li> </ul>		X  X  X  X	<i>Applicant shortlisting and interview</i>

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<p><b>Skills and Attributes:</b>  <b>Drives innovation and action:</b></p> <ul style="list-style-type: none"> <li>• Ability to contribute to and develop innovative research proposals</li> <li>• Intellectual agility for the solving of problems</li> <li>• Skilled approach to planning, managing, organising and objectively assessing own research contributions.</li> </ul> <p><b>Develops self and others to deliver:</b></p> <ul style="list-style-type: none"> <li>• Ability to plan, manage, organise and assess own research contributions.</li> <li>• Ability to mentor and support junior research staff and students.</li> </ul> <p><b>Builds and secures value from relationships:</b></p> <ul style="list-style-type: none"> <li>• Proactive in approach to seeking and managing research collaborations and opportunities for joint research projects.</li> <li>• Working effectively and collegiately as a part of an interdisciplinary team.</li> </ul> <p><b>Creates and contributes to a shared vision, inspiring others:</b></p> <ul style="list-style-type: none"> <li>• Strong written, verbal and presentation skills.</li> <li>• Ability to communicate new and complex information effectively, both verbal and written.</li> </ul>		<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p><i>This section is used by the panel to inform interview questions for formal interview.</i></p>
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### University of Plymouth Behaviours

- Demonstrates Self-Leadership
- Develops self and others to deliver
- Leads and operates in times of change and ambiguity
- Builds and secures value from relationships
- Drives innovation and action
- Creates and contributes to a shared vision
- Uses sound business judgement

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