

## JOB DESCRIPTION

Vacancy Ref: A2658

<b>Job Title:</b>	KTP Associate in next generation infrared detectors	<b>Present Grade:</b> off-scale
<b>Department/College:</b>	Department of Physics	
<b>Directly responsible to:</b>	Dr Andrew Marshall	
<b>Supervisory responsibility for:</b>	None	
<b>Other contacts</b>		
<b>Internal:</b> <i>University:</i> Staff and postgraduate students of the Department, Research & Enterprise Services staff concerning KTP and relations between the University and Amethyst Research. <i>Amethyst Research:</i> staff and senior management team		
<b>External:</b> <i>Amethyst Research:</i> Key stakeholders, Innovate UK KTP Adviser		
<b>Major Duties:</b> The Associate for the Knowledge Transfer Partnership will drive and lead a project which aims to develop the next generation of ultra-high performance infrared detectors. You will work closely with and be supported by academics from the Department of Physics and the senior management team at Amethyst Research.		
<b>Key Responsibilities</b> Under the supervision of academics from the Department of Physics and the senior management team at Amethyst Research, the Associate will: <ul style="list-style-type: none"><li>• Lead the activities required for the development the next generation of ultra-high performance infrared detectors.</li><li>• Ensure that the new capacity is embedded within the company, overseeing training for Amethyst employees and development of marketing information for discussions with commercial partners.</li><li>• Effectively communicating the techniques in a non-academic environment and be able to translate the academic approaches for a business audience.</li><li>• Actively manage a personal development plan and commit to any training required for the project.</li><li>• Manage the KTP project including maintenance of project plans, and organisation of project-related meetings.</li><li>• Prepare research publications based upon the results of the project where commercially appropriate.</li><li>• Participate in the normal activities of the research group, including meetings and presentations.</li><li>• Support in the supervision of undergraduate and postgraduate students.</li><li>• Liaise between Amethyst Research and the academic team.</li><li>• Occasionally at the request of supervisors, perform other duties which are not included above, but which will be consistent with the role.</li></ul>		