

## Job Specification



### Post 2 - Post-Doctoral Scientist

<b>Contract Type</b>	Self-Financed Contract up to 30 September 2021
<b>Location</b>	<p>Limerick (this post is based in the Research, Development and Innovation function and SABC research laboratories at Limerick Institute of Technology)</p> <p>This post will be primarily be based at the location specified above, but from time to time and at the discretion of the Institute, hours of work may be allocated at any of the LIT campuses.</p>
<b>Reporting to</b>	Head of Research & Technology Transfer or such other person as he/she may delegate
<b>Competition Type</b>	Externally Confined.
<b>Minimum Qualifications/Experience</b>	<ul style="list-style-type: none"><li>• Possess a PhD postgraduate qualification in a life science discipline</li><li>• Demonstrate excellent practical experience in the area directly with an excellent knowledge of microalgal microbial systems.</li></ul>
<b>Competencies Required</b>	<ul style="list-style-type: none"><li>• Possess a proven track record in securing research funding;</li><li>• Possess a proven track record in managing and delivering research projects;</li><li>• Have published peer reviewed publications in relevant scientific fields of biology biochemistry and molecular biology;</li><li>• Have excellent knowledge of biological research methodologies;</li><li>• Have excellent communication skills.</li></ul>
<b>The Role</b>	<p>Applications are invited for a Post-Doctoral Scientist position to work on a BIM research and innovation funded project. You will work as part of a team involved in the research activities in LIT and with the consortium partners as part of the project. You will co-ordinate, manage and ensure delivery of on-going project deliverables on a day-to-day basis in order to ensure smooth running of this collaborative project. You will be responsible for microalgae and cyanobacteria cultivation and their maintenance at our Environmental Growth Chamber facilities and biodiscovery screening of target biomolecules for commercial applications. You will provide specific expertise in culture of microalgae/cyanobacteria, biomass harvesting, target biomolecules estimation and identification/characterisation after industrially relevant extractions to a multidisciplinary team of scientists and relevant project collaborators. In collaboration with project management, you will participate in defining and implementing research plans to meet defined project deliverables. You must have a current and comprehensive knowledge of microalgal culturing in addition to expertise on microalgal normal and stress physiology and corresponding productivity. Knowledge on the responses of microalgae/cyanobacteria to environmental factors such as temperature, pH, CO<sub>2</sub>, nutrients, UV-visible irradiance and cells mixing. Your research will contribute directly to industry's competitive advantage through new product development or product enhancement. Specifically transferring the knowledge of state of the art environmental growth chambers and LED lighting technologies to industrial cultivation industries for target biomass and biomolecules production. You will be required to present data supported conclusions in writing and oral presentations, maintain detailed and complete laboratory notebooks as well as participate in the preparation and follow through of intellectual property filings when appropriate.</p>
<b>Duties</b>	<p>The following are duties;</p> <ul style="list-style-type: none"><li>• Delivery of project milestones and deliverables through the selected protocols and development of new processes and novel products from sustainably cultivated biomass and transferring these knowledge to the project partners;</li><li>• Develop and manage a state of the art culturing facilities at Shannon ABC;</li><li>• Contribute to the scientific and commercial targets of Shannon ABC and develop new projects ideas for future directions;</li><li>• Contribute in publishing research articles and funding applications</li><li>• Provide detailed technical and scientific reports on research activities and plans as required.</li><li>• Perform other such appropriate duties as may be assigned from time to time.</li></ul>

<b>Incentivised Scheme for Early Retirement (ISER);</b>	It is a condition of the Incentivised Scheme for Early Retirement (ISER) as set out in Department of Finance Circular 12/09 that retirees, under that Scheme, are debarred from applying for another position in the same employment or the same sector. Therefore, such retirees may not apply for this position.
<b>Hours</b>	39 hours per week
<b>Annual Leave</b>	22 days per annum.
<b>Garda Vetting</b>	Following the commencement of the National Vetting Bureau (Children and Vulnerable Persons) Acts 2012 to 2016, Garda Vetting will be required in advance of commencing this position
<b>Salary</b>	A salary of €45,041 will apply to this post.  The rate of remuneration may be adjusted from time to time in line with Government pay policy.
<b>Closing Date</b>	Latest date for receipt of completed application form is  <b><u><a href="#">12 noon on Wednesday 01 April 2020</a></u></b>  Application forms received after 12.00 noon on the closing date will <b>not</b> be considered. The Institute regrets that it cannot pay expenses for candidates attending for interview
<b>Contact Details</b>	<p>The Human Resources Office Limerick Institute of Technology Moylish Park Limerick</p> <p>Telephone +353 61 293849 Web Site: <a href="http://www.lit.ie/human-resources">http://www.lit.ie/human-resources</a> Email: <a href="mailto:humanresources@lit.ie">humanresources@lit.ie</a></p> <p>Limerick Institute of Technology is an equal opportunities employer, working towards creating and sustaining an inclusive environment which promotes equality, embraces diversity and is committed to family friendly policies for all.</p>
<b>Informal Enquiries</b>	Informal enquiries ONLY may be addressed to: <a href="mailto:patrick.murray@lit.ie">patrick.murray@lit.ie</a>
<b>Personal Data</b>	<b>All personal data provided will be handled in accordance with the LIT Data Protection Policy and Privacy Statements available at <a href="http://lit.ie/InformationCompliance/Data.aspx">http://lit.ie/InformationCompliance/Data.aspx</a></b>

