



LIT
LIMERICK
INSTITUTE OF
TECHNOLOGY



Shannon ABC
applied biotechnology centre

POST 4 – RESEARCH ASSISTANT – SHANNON ABC
(up to 1 year self-financed contract)

LOCATION: This post is based in the Shannon ABC laboratories at Limerick Institute of Technology, Moylish Park Campus, Limerick

REPORTING TO: Head of Research & Technology Transfer/ PI of the project

Shannon Applied Biotechnology Gateway Centre is a collaborative response from Limerick IT and the IT Tralee to the needs of industry. Shannon ABC responds to industry's challenges through the development of new processes and novel products from bio-resources, transferring these solutions to biotech, food and life science industries. Shannon ABC combines strengths in areas including natural product discovery, bioactive screening, nutraceuticals, fermentation and bioprocessing. The centre is core funded by Enterprise Ireland and houses state-of-the-art research facilities.

Applications are invited for a Research Scientist to deliver a range of industry related projects at Shannon ABC. These projects are mainly related to microbiology and analytical chemistry, with industry partners in the cosmetics, agriculture, food and biotechnology sectors; the research is focused on delivering answers to industry in a timely manner. While microbiology and analytical chemistry play a central role in these projects, the Research Scientist will also contribute to other projects within Shannon ABC. Bench skills in microbiology and/or analytical chemistry are essential for this role. As the research is commercially led, the successful applicant will be a proactive individual who possesses the ability to work independently and within a team to achieve results in a timely manner.

QUALIFICATIONS/EXPERIENCE:-

- Degree (level 8) BSc / MSc in a Life Science subject
- Laboratory experience with cultivation of microorganisms, preferably microalgae or cyanobacteria cultivation at least laboratory-scale, cultivation and extraction of biomass, and characterisation of biomolecules.
- General microbiology and biotechnology research experience
- Good communication skills both in report writing and presentation
- Harvesting of biomass, centrifugation, freeze-drying, buffer and solvent extractions
- Experience of analysis techniques such as Plate Reader, LC-MS, HPLC, FPLC

DUTIES:-

- Development and application of a variety of extraction and purification methodologies to targeted extracts displaying targeted bioactivity;
- Data collection, interpretation, and statistical analysis;
- Report writing and presentation to academic partners;
- Preparation of research articles on findings for publication in peer-reviewed journals;
- Liaising with PI, the development office and research and technology transfer professionals for commercialisation of research outcomes.
- Any other duties as may be assigned from time to time

SALARY SCALE: €21,850 - €32,930 (15 points) (non new entrant)
 €19,665 (new entrant)

Starting Salary Information: All new entrants to the public service will start on the first point of the scale. Persons entering a recruitment grade for the first time, starting pay will be at the minimum of the new reduced scale. The rate of remuneration may be adjusted from time to time in line with Government pay policy.

GARDA VETTING:

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

INFORMAL ENQUIRIES: Informal enquiries **ONLY** may be addressed to: sushanta.saha@lit.ie

CLOSING DATE:

Latest date for receipt of completed application forms is

12.00 noon on Friday, 25th August, 2017

IMPORTANT NOTES: *All posts will primarily be based in the locations specified but, from time to time and at the discretion of the Institute, hours of work may be allocated in any of the LIT campuses*

Application forms received after 12.00 noon on the closing date will **not** be considered.

**The Human Resources Office, Limerick Institute of Technology, Moylish Park,
Limerick**

Telephone: +353 61 293281 Fax +353 61 293300

Web Site: <http://www.lit.ie/vacancies> Email: humanresources@lit.ie

Limerick Institute of Technology is an equal opportunities Employer
--

The Institute regrets that it <u>cannot</u> pay expenses for candidates attending for interview
