

Institute of Technology, Tralee

Institiúid Teicneolaíochta, Trá Lí

Research Assistant in Bioeconomy

The bioeconomy is a thematic area of research at IT Tralee through Shannon Applied Biotechnology Centre (Shannon ABC). Research activities are focused upon improving bioresource efficiency and value and supporting Ireland's transition to a low carbon circular bioeconomy. IT Tralee is currently recruiting for a motivated Research Assistant to join the existing bioeconomy team at Shannon ABC and support their on-going bioeconomy development and innovation activities.

IT Tralee, through the Shannon ABC and IMAR Technology Gateways, are participating in the Biobased Industries Joint Undertaking (BBI JU) project ICT-BIOCHAIN focused on improving biomass supply chains for bioeconomy regions. This project will establish a Bioeconomy Digital Innovation Hub which will identify regional biomass availability, evaluate the role of ICT technologies in improving supply chain efficiency, and develop networks to support innovation and collaboration. The successful candidate will support the project through collation of data on regional biomass/bioresource availability. The candidate will also support the hub in event coordination and network development.

Minimum Requirements

Applicants are required to have a minimum of a bachelor's degree in a science or engineering related subject.

Candidates must demonstrate the following:

- ✓ 2 years' experience in research
- ✓ Degree in bioeconomy-related discipline (e.g. bioprocess engineering, biotechnology, chemical engineering, green technology, environmental science, supply chain management or other related disciplines)
- ✓ Excellent analytical and report-writing skills
- ✓ Excellent interpersonal, communication and organizational skills
- ✓ Ability to build networks between and communicate with various bioeconomy and technology stakeholders
- ✓ Be self-driven and have ability to work on own initiative

The following skills would be desirable:

- ✓ Experience in collation of biomass/bioresource data
- ✓ Familiarity with bioeconomy and/or ICT technology
- ✓ Experience in network building and event coordination
- ✓ MSc/PhD in bioeconomy-related discipline (e.g. bioprocess engineering, biotechnology, chemical engineering, green technology, environmental science, supply chain management or another related area)

Job Role and Description

The successful candidate will:

- ✓ Support the implementation of the ICT-BIOCHAIN project
- ✓ Drive the collection of data relating to national and regional biomass resources, to support data model development
- ✓ Support in development of ICT-BIOCHAIN project events
- ✓ Support in development of a bioeconomy digital innovation hub
- ✓ Drive network development between bioeconomy, technology partners and other stakeholders
- ✓ Operate as key contact point for project and support communication with project partners

Full driver's license is essential, occasional EU travel will be required.

Salary

This post is full time, of 12 months' duration. The salary to apply to this position is at a Research Assistant level, €22,109-€34,612 depending on experience.

Application Procedure

All applications must be made online at www.ittralee.ie

Location

This post is located within the Shannon ABC laboratories at IT Tralee (South Campus) however occasional visits will be essential to collaborate with industrial and academic partners.

Informal Enquiries

Informal enquiries ONLY by email to James Gaffey
James.Gaffey@staff.ittralee.ie