

Postdoctoral Scientist – Feedstock Mapping

The Centre for Applied Bioscience Research (CABR) is a Research Centre and Technology Gateway that is a collaboration between Munster Technological University and the Technological University of the Shannon: Midlands Midwest. The CABR Technology Gateway is co-funded by the Government of Ireland and the European Union through the ERDF Southern, Eastern & Midland Regional Programme 2021-27.

CABR responds to the challenges of biotech, food and life science industries through the sustainable development of viable and cost-effective processes and products from bio-resources. This collaborative and risk management approach improves our client's competitiveness and competence and facilitates the transfer of these innovative scientific solutions.

CABR have significant expertise in bioprocessing and have recently been awarded funding from the Department of Food, Agriculture and the Marine to examine a range of natural biomass for its potential to be valorised in food systems. As part of this funding, biomass mapping is essential to determine what biomass may be available nationally with associated seasonality, waste status, etc. This will involve quantifying and characterizing biomass arising in Ireland, with a particular focus on feedstocks that may be suitable for up-cycling into food ingredients.

CABR currently has a vacancy for a Postdoctoral Scientist with high self-motivation and excellent written and verbal communication skills to deliver this task, as part of a wider team.

Minimum Qualifications

Applicants should have a minimum post-graduate degree (MSc or PhD) in a relevant discipline, such as biomass logistics and modelling, life cycle assessment, geographic information systems, agronomy etc.

Requirements:

Essential:

- Experience in data collection and analysis related to bioresources or similar type of information.
- Experience in desk-based research and interviews with relevant stakeholders.
- Excellent analytical, project management and report writing skills.
- Excellent interpersonal, communication, presentation, and organizational skills.
- Self-motivated and strong ability to work on own initiative will be essential to the role.

Desirable:

- Experience using data visualization tools, GIS software or other relevant tools.
- Knowledge and access to existing networks/organization which conduct research related to primary raw materials



- Knowledge relating to Irish bioeconomy and biological raw materials
- Experience reviewing and analysing national and EU policies in a relevant area.
- Experience in using modelling software to assess/analyse bioresources
- Track record of publishing research
- Experience participating in collaborative research projects
- Full driving license

Job Duties and Responsibilities

- Assess the current biomass resource availability suitable for upcycling into food ingredients. The study will take a national and regional approach.
- Gather information regarding the current uses (fate) and current prices of feedstocks.
- Gather information regarding the characterization of different biomass types to understand their potential uses.
- Conduct desk research and interviews to gather relevant data.
- Preparation of relevant reports (deliverables), databases and publications based on work activities.
- Interact with other WPs on various other tasks, such as assessment of sustainability and land use assessment of biomass.
- Contribute to project dissemination activities.

Salary: This post is available on a fixed term basis for a 12-month period. The salary for this position is €46,305

Application Procedure: All applications must be made online at www.mtu.ie/vacancies

Location: This post is based at the CABR laboratories in Munster Technological University, Tralee, Co Kerry.

Informal Enquiries: Informal enquiries **ONLY** by email to **Dr. Tim Yeomans**, tim.yeomans@mtu.ie

Citizenship Requirement: Candidates should note that eligibility to compete for posts is open to citizens of the European Economic Area (EEA) or to non-EEA nationals with a valid work permit. The EEA consists of the Member States of the European Union, United Kingdom along with Iceland, Liechtenstein and Norway. Swiss citizens under EU agreements may also apply. It is an offence under the Employment Permits Acts 2003 and 2006 for both an employer and an employee if a non-EEA National is in employment without an appropriate employment permit. Employment permit holders can only work for the employer named on the permit.



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Closing date for applications is 1.00pm Friday, 23rd January 2026

Applications received after the closing date will not be accepted.

*The Human Resources Office, Munster Technological University, Tralee, Co Kerry
Telephone: +353 66 714 5613*

Web Site: www.mtu.ie Email: humanresourceskerry@mtu.ie

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