



College Management Unit:	UCD College of Engineering and Architecture
School Unit:	UCD School of Biosystems and Food Engineering
Post Title & Subject Area (if relevant)	UCD Post-doctoral Research Fellow Level 2
Project:	BioAssess – An environmental, economic and social assessment framework for bioenergy and bioeconomy development in Ireland
Post Duration:	Temporary Until 31-Jan-2027
Line Manager	Dr Fionnuala Murphy
Competition Ref. N^o	017210
HR Administrator	Aline Burgos

Position Summary:

The BioAssess Project, funded by Sustainable Energy Authority Ireland and the Department of Agriculture, Food and the Marine, aims to provide a novel framework which assess the environmental, economic and social impacts of the use of biomass for bioenergy and in the bioeconomy in Ireland. The framework will identify any unintended consequences of the use of biomass in different sectors and will inform industry, local authorities and policymakers on how to develop schemes and policies for the sustainable use of biomass. BioAssess will engage with key stakeholders through the Industry Advisory panel including members from industry (energy and farming), local authorities and policymakers, and through project workshops (e.g. farmers, foresters, bioenergy processors, bioeconomy companies etc.) to ensure uptake of the BioAssess framework. BioAssess is led by University College Dublin, with collaborators University of Galway and Munster Technological University.

A Senior Postdoctoral (level 2) position is sought to develop the environmental life cycle assessment framework. The postdoctoral researcher will work on all project work packages and in collaboration with project partners in Munster Technological University and University of Galway. The postdoctoral researcher will also act as assistant project manager to the Principal Investigator in UCD (Dr Fionnuala Murphy). Expertise in life cycle assessment and knowledge of biomass production is essential.

This is an advanced research focused role, building on your prior experience as a post-doctoral fellow, where you will conduct a specified programme of research supported by research training under the supervision and direction of a Principal Investigator.

The primary purpose of the role is to develop new or advanced research skills and competences, on the processes of publication in peer-reviewed academic publications and scholarly dissemination, the development of funding proposals, and the supervision and mentorship of graduate students along with the opportunity to develop your skills in research led teaching.

Principal Duties and Responsibilities:



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- Conduct a specified programme of research and scholarship under the supervision and direction of your Principal Investigator.
- Engage in appropriate training and professional development opportunities as required by your Principal Investigator, your School or Institute, or the University.
- Support your Principal Investigator and research group in the design and development of the research programme.
- Support if required, the development of proposals for research funding.
- Engage in the dissemination of the results of the research in which you are engaged as directed by and with the support of and under the supervision of your Principal Investigator.
- Engage in the wider research and scholarly activities of your research group, School and Institute.
- Take responsibility as requested for day-to-day advice and support of graduate research students associated with your research group.
- Mentor and assist, as appropriate and as directed, the research graduate students in your group, School and Institute.
- Carry out administrative and management work associated with your programme of research.

Fixed Salary: €50,540 Per Annum

Details on eligibility to compete and pension information is available at

<https://www.ucd.ie/hr/resourcing/eligibilitytocompete/>

UCD welcomes applications from everyone. We are committed to creating an environment where diversity is celebrated and everyone is afforded equality of opportunity. Learn more about Diversity at

<https://www.ucd.ie/workatucd/diversity/>

Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

Mandatory:



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- PhD in Engineering or a relevant discipline such as science
- 2/3 years postdoctoral research experience
- Experience in Life Cycle Assessment
- Knowledge of biomass production
- Demonstrated understanding of operational requirements for a successful research project and managing resources
- Knowledge and application of the principles underpinning successful grant application
- Ability to identify and fulfil the academic writing requirements for target publications
- Proven record of working with team members and PhD students to help build their research skill and knowledge and to support and guide their professional development
- Generates new ideas and links and builds upon existing ideas to generate unique concepts and solutions
- Candidates must demonstrate an awareness of equality, diversity and inclusion agenda.

The PD2 post is intended for researchers that have completed PD1. As with the PD1, if you have already completed your PD2 stage in UCD or will soon complete a PD2, or your total Postdoctoral experience, inclusive of the duration of the advertised post, would exceed 6 years, you should not apply and should refer to Research Fellow posts instead.

Desirable:

- Knowledge of social life cycle assessment
- Experience working with relevant stakeholders
- Demonstrated understanding of the value of academic and commercial information e.g. Non-disclosure agreements
- Knowledge of IP processes and knows how to protect findings

Supplementary information:

The University:	https://www.ucd.ie/
UCD Strategy 2020-2024: Rising to the Future	https://strategy.ucd.ie/
The College/Management Unit:	https://www.ucd.ie/eacollege/
The School/Programme Office/Unit:	https://www.ucd.ie/biosystems/
Equality Diversity and Inclusion at UCD	https://www.ucd.ie/workatucd/diversity/
Other (Please specify):	https://www.seai.ie/grants/research-funding/research-development-and-demonstration-fund/

UCD offers a comprehensive **Research Careers Framework** in line with the Advisory Science Council Report '*Towards a Framework for Researcher Careers*'. This model provides a structured and supportive **Career and Skills Development** system designed to ensure that Post-docs in UCD are able to plan their careers and prepare for future opportunities in academia, industry or the public sector. For more information, please [click here](#)



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Informal Enquiries ONLY to:

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