



**Water
Institute**

Research Centre	DCU Water Institute
Post title	Postdoctoral Researcher, Farming and Natural Resources: Measures for Ecological Sustainability (FARM-ECOS)
Level on the Framework	Level 1
Post duration	Fixed Term up to 24 months

Research Career Framework

As part of this role the researcher will be required to participate in the DCU Research Career Framework <http://dcu.ie/hr/ResearchersFramework/index.shtml>. This framework is designed to provide significant professional development opportunities to researchers and offer the best opportunities in terms of a wider career path.

Overview

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

DCU Water Institute is a large, multidisciplinary research unit based in state-of-the-art facilities situated on the campus of Dublin City University. Arising from success in recent proposals we are now seeking applications for the following research position in DCU.

The successful candidate will join the FARM-ECOS project, a 4 year project funded by the Department of Agriculture, Food and the Marine. FARM-ECOS is led by Dr. Daire Ó hUallacháin in Teagasc, with collaborators in National University of Ireland, Galway, Dublin City University, Galway-Mayo Institute of Technology and Trinity College Dublin. FARM-ECOS will identify and outline the evidence base for novel, cost-effective measures to protect and enhance farmland biodiversity. Identified measures will increase habitat quantity, enhance habitat quality and improve ecological connectivity, from the farm to landscape scale. Measures will thus help halt biodiversity loss and enhance the provision of ecosystem services.

Applications are invited for a highly motivated and talented Post-Doctoral Researcher to conduct laboratory and field based research to assess ecosystem health and delivery of selected ecosystem

services of farm habitats, using soil parameters. The aim of this work is to determine how habitat quantity and quality influences soil quality and nutrient composition, and delivery of selected ecosystem services.

Applicants should be qualified in soil science or related disciplines, and have obtained a PhD in soil science with field work experience and expertise in characterising soil in terms of physical, chemical and biological parameters.

Duties and Responsibilities:

Reporting to his/her Principal Investigator the Postdoctoral Researcher will:

- Conduct, with a very high degree of technical competence a specified programme of research and scholarship under the supervision and direction of the Principal Investigator.
- Disseminate the outcomes of the research in which he/she is engaged including publishing in high quality peer reviewed journals of international standing.
- Support the PI and research group in the design and development and implementation of the FARM-ECOS research programme.
- Support if required, the development of proposals for research funding.
- Take responsibility as requested for day-to-day advice and support of graduate research students and research assistants associated with your research group.
- Mentor, assist and train as appropriate and as directed, more junior research members within the group.
- Contribute to reporting, site visit preparation and other administrative management work associated with your programme of research and the research group.
- Contribute to teaching and outreach activities of the group.
- Liaise with stakeholders such as industry and collaborators within the FARM-ECOS project.
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Carry out administrative work associated with the programme of research as necessary.

Qualifications

The candidate should hold a primary degree in soil science, analytical science etc. with a PhD in soil science or environmental science with strong analytical capabilities. The candidate should be experienced in analytical techniques and field sampling. The candidate should be capable of working independently with a high degree of technical competence and whilst also being a team player, he/she must demonstrate initiative, be hard working, versatile and productive. S/he should have excellent communication and organisational skills

Closing date: 26th December 2017

Salary: *€36,488 p.a

Candidates will be assessed on the following competencies:

- **Discipline knowledge and Research skills** – Demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline.
- **Understanding the Research Environment** – Demonstrates an awareness of the research environment (for example funding bodies) and the ability to contribute to grant applications.
- **Communicating Research** – Demonstrates the ability to communicate their research with their peers and the wider research community (for example presenting at conferences and publishing research in relevant journals) and the potential to teach and tutor students.
- **Management & Leadership skills** - Demonstrates the potential to manage research projects including the supervision of undergraduate students and visiting researchers.

Informal enquiries to:

Associate Professor Blánaid White, blanaid.white@dcu.ie

Please do not send applications to this email address, instead apply as described below

Application Procedure

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://www.dcu.ie/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 7005149.

Please clearly state the role that you are applying for in your application and email

subject line: Job Ref #734 Postdoctoral Researcher, Farming and Natural Resources: Measures for Ecological Sustainability (FARM-ECOS)

Applications should be submitted by email to hr.applications@dcu.ie or by Fax: +353 (0)1 7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9. Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

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