



Applications are invited from suitably qualified candidates for the following position:

**Research Assistant in Biogeochemistry
PREDICT Project
School of Chemical Sciences
Faculty of Science & Health
12 Month Fixed-Term Contract**

Dublin City University

Dublin City University www.dcu.ie is a research-intensive, globally-engaged, dynamic institution that is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation, DCU acts as an agent of social, cultural and economic progress. DCU is Ireland's fastest growing university, and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick's Campus and DCU All Hallows campus.

School of Chemical Sciences

The School of Chemical Sciences has played a significant role in the rapid development of DCU to the point where we can now compete with some of the best European Universities. At the postgraduate research level, the School possesses an outstanding track record and is currently home to more than 95 postgraduate students, engaged in taught and research based MSc and PhD programmes, in diverse fields. These range from the development of chemical and biological sensors, and intelligent materials, to drug design and discovery, and advances in science education. The School houses a suite of state-of-the-art research equipment including high resolution electron microscopy and a range of both mass and magnetic resonance spectrometers.

Role Background & Profile

Coastal zones are threatened by forces such as climate change and sea-level rise that combine to drive increasingly intense storms, flooding, and erosion. Assessment and prediction of coastal vulnerability can only be achieved by systematic and sustained monitoring of physical, chemical and biological processes that occur in coastal zones. The objective of our project – PREDICT “*Integrating multidisciplinary geoscientific data into forecasting models to monitor and predict coastal change: Proof of concept in Dublin Bay*” - is a coordinated program of coastal observations that will be used to validate, calibrate and extract as much information as possible from satellite environmental data. We will integrate these datasets to generate forecasting models that can be used to predict environmental change and inform future planning.

We are now seeking an enthusiastic, and curious research assistant to join the PREDICT team which is currently made up of researchers with chemistry, bioscience, mathematical modelling, remote sensing and oceanography backgrounds.

Duties and Responsibilities

See job description for full list of duties and responsibilities.

Candidate Requirements

-Essential

- A primary degree in either Chemistry, Biochemistry, or a related field.
- Excellent practical laboratory skills
- Strong analytical skills including the maintenance, use and interpretation of analytical equipment
- Ability to work in collaboration with an R&D team that includes both academic researchers and industrial partners
- Strong organisational skills

-Desirable

- Experience in statistical packages

Mandatory Training

The post holder will be required to undertake the following mandatory compliance training: GDPR and Compliance. Other training may need to be undertaken.

Salary Scale: Research assistant scale: *€23,061 - €35,922

**Appointment will be commensurate with qualifications and experience and will be made on the appropriate point of the salary scale, in line with Government pay policy.*

Informal enquiries to: Brian Kelleher, Associate Professor, School of Chemical Sciences, DCU, Dublin 9; E-mail: brian.kelleher@dcu.ie Phone: 01 700 5134. *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 website at <https://www.dcu.ie/hr/vacancies/current.shtml>. A **CV** and **cover letter** must be included with the application form. Applications must be submitted by e-mail to hr.applications@dcu.ie

Closing Date: Friday 11th January 2021

Please clearly state the role that you are applying for in your application form and email subject line:

#RF1444 Research Assistant in Biogeochemistry

Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment is available at <https://www.dcu.ie/policies/policy-starter-packs.shtml>