



TRINITY COLLEGE DUBLIN
COLÁISTE NA TRÍONÓIDE, BAILE ÁTHA CLIATH

THE
UNIVERSITY
OF DUBLIN



Fully funded PhD in Marine Ecology available at Trinity College Dublin

The Department of Zoology, Trinity College Dublin and the Marine Institute of Ireland are seeking a highly qualified and ambitious candidate to undertake a PhD project that will **test the vulnerability of life stages of marine calcifiers to changes in ocean chemistry**.

NOTE: The deadline for receipt of 1st phase applicants is **11th January 2019**.

This project will test the vulnerability (survival, growth, condition and functioning) of bivalves (mussels, oysters) to variability in ocean chemistry and other environmental stressors (e.g. warming, nutrient enrichment). Physiological performance and rates of ecological functioning of bivalves will be quantified under different environmental conditions based on robust surveys of native populations and by designing experiments that mimic predicted future conditions in purpose-built mesocosms.

This Marine Institute Cullen Fellowship (Grant-Aid Agreement No. CF/18/02/01) will be carried out with the support of the Marine Institute and funded under the Marine Research Programme by the Irish Government.

This award includes:

- EU Fees for a PhD in Science at TCD
- Annual stipend: €16,000 for 3 years
- Access to new infrastructure at Trinity College including a mesocosm-based platform - Quantifying the Impacts of Multiple Stressors (QIMS), that includes independently controlled aquaria where environmental conditions are manipulated to represent current and predicted future ocean conditions and a suite of state-of-the-art environmental monitoring equipment and tools for deployment in the field.

This PhD will be supervised by Dr Nessa O'Connor (TCD), Dr Evin McGovern (MI), Dr Francis O'Beirn (MI) and Dr Carlos Rocha (TCD).

Applications

You are applying for a highly competitive 3 year fully funded PhD project.

You must have a full, clean driving license, be willing and able to work independently and as part of a team and have a positive attitude. The successful candidate will hold an Honours Degree (2.1 or higher) in a cognate discipline (e.g. Zoology, Environmental Science, Marine

Biology). An MSc or equivalent experience would be an advantage. Other highly desirable skills include previous experience of working with mesocosms and/or experiments in the field, a good knowledge of R, and a demonstrated ability to communicate research findings.

Phase 1:

Send preliminary applications to: Dr O'Connor (n.oconnor@tcd.ie) *Please place 'Cullen Fellowship PhD application' in the subject line of the email.*

Attach a single PDF Document that contains the following:

- A cover letter: Your letter should clearly set out your suitability and motivation for this PhD with reference to your past relevant experience and achievements.
- A CV that includes your relevant experience, undergraduate results, postgraduate results (if applicable), any relevant publications and contact information for 2 academic referees.

Phase 2:

Successful Phase 1 candidates will proceed to Interview. It is expected that that interviews will take place in mid-January. The successful candidate will then be invited to submit a full application to Trinity College Dublin.

PhD start date is March 1st 2019.

Notes

Candidates from outside the EU are eligible to apply but must provide evidence of sources of additional funds to cover excesses associated with Non-EU fees.

If English is not the applicant's first language, a certificate of language ability is required. Further details can be found on the TCD Postgraduate [webpage](#).