 

**Postdoctoral Researcher**

**Ocean Acidification & Biogeochemistry**

**Ryan Institute**

**College of Science & Engineering**

**NUI Galway**

**Ref. No. NUIG-218-19**

Applications are invited from suitably qualified candidates for a full-time fixed term position as a postdoctoral researcher with the Ryan Institute at the National University of Ireland, Galway. This position is funded by the Marine Institute and is available from 1st February 2020 to project end date 31st January 2021, in the first instance.

The post will be based between NUI Galway’s Ryan Institute and the Irish Marine Institute at Oranmore, Co. Galway.

The Ryan Institute is the National University of Ireland, Galway's hub for Environmental, Marine and Energy research and contributes to some of the most important national and international, long-term, environmental, marine and energy research issues. Staff from a range of disciplines and schools across the University contribute to research in the Institute.

**Job Description:**

The successful candidate will be responsible for collation and analysis of oceanographic and coastal water data sets from Irish waters related to ocean acidification and biogeochemistry, report writing and preparation of scientific papers for publication, organisation and participation in shore-based and sea-going surveys, and collection and analysis of seawater samples and related data.

**Duties:** The duties of the successful candidate will include:

* Providing support for OA sampling on oceanographic surveys across the Rockall Trough and in Irish coastal waters, including preparation of sampling equipment, training of scientists in sampling procedures and participation in surveys.
* Post-Survey sample & data analysis followed by collation and quality control of datasets for international databases
* Fine-scale sampling at kelp beds and shellfish aquaculture sites with post-survey sample and data analysis
* Report writing including desk studies
* Preparing scientific publications and presentations.
* Working as an integral part of a motivated multidisciplinary teams within the Ryan Institute and Marine Institute

**Qualifications/Skills required:**

**Essential Requirements:**

* A PhD in either marine chemistry, marine biology or marine botany, geosciences, or related disciplines relevant to ocean acidification studies
* EU or UK Drivers licence, or licence from a recognised state (see [www.ndls.ie](http://www.ndls.ie) for list)
* Experience of processing and interpretation of observational data including oceanographic and marine chemistry data
* Strong academic publication record appropriate to career stage
* Strong report writing skills and good communication skills in English
* Experience of, and willingness to participate in, seagoing research (must be fit enough to pass ENG-11 seafarer’s medical)
* Familiarity with oceanographic instrumentation
* High degree of creativity and flexibility

**Desirable Requirements:**

* Valid seagoing certification (PST or equivalent) and ENG-11 medical
* Knowledge of biogeochemical processes in marine waters
* Experience with SEABIRD instrumentation
* Experience with analytical instrumentation for OA parameters (e.g. VINDTA, SOMMA systems)
* Experience with analytical instruments for nutrients
* Experience of working with oceanographic models
* Good communication skills and ability to work in an interdisciplinary team with scientists, engineers, and technicians
* Scuba diving certification
* Powerboat handling qualification
* Driving licence enabling towing

**Salary**: €37,874 – 41,374 per annum

**Start date**: Position is available from 1st February 2020

**Continuing Professional Development/Training**:

Researchers at NUI Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans. This is an opportunity for an early stage researcher to further develop skills and knowledge in ocean acidification studies, a key area of climate change research.

Further information on research and working at NUI Galway is available on [Research at NUI Galway](http://www.nuigalway.ie/our-research/)

For information on moving to Ireland please see [www.euraxess.ie](http://www.euraxess.ie)

Further information about the Ryan Institute is available at <http://www.nuigalway.ie/ryaninstitute/> Informal enquiries concerning the post may be made to Dr. Rachel Cave rachel.cave@nuigalway.ie

**To Apply:**

Applications to include a covering letter, CV, and the contact details of three referees should be sent, via e-mail (in word or PDF only) to **Ms. Lorna Larkin Email:** [**lorna.larkin@nuigalway.ie**](mailto:lorna.larkin@nuigalway.ie)

Please put reference number **NUIG-218-19** in subject line of e-mail application.

Or by post to. Ms. Lorna Larkin, Earth & Ocean Sciences, NUI Galway, University Road, Galway

**Closing date for receipt of applications is 5.00 pm Wednesday 11th December 2019**

**Interviews will be held mid-January 2020**

All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment

National University of Ireland, Galway is an equal opportunities employer.

