

## **Ocean Education and Research Group (OERG) at Trinity College Dublin**

### **Doctoral students in the project 'Life in the Currents (LIC)' funded by Prendergast Challenge-Based Awards**

#### **PhD Studentships**

**Duration: 48 months (starting on 1st September 2023 at the latest)**

Trinity College Dublin offers four multidisciplinary four-year fully-funded PhD studentships as part of the Prendergast Challenge-Based Awards in the project 'Life in the Current (LIC)'.

LIC is a multidisciplinary collaboration along two strands, one led by the ocean/geosciences and ecology, and the other led by environmental history and historical geography involving the following Schools: Computer Science and Statistics, Engineering, Geography, History, Mathematics and Zoology. The common thread is to increase our understanding of historical indicators, changes, drivers, and modelling in the Northeast Atlantic.

The topics are common to both strands and ideally will be researched by students from each strand.

The students are welcome to propose research in topics such as

- Weather
- Currents and wave actions
- Coastal communities and ecosystems, including seagrass and saltmarshes
- Oceanic microbial ecosystems
- Primary production, including vertical transportation of nutrients
- Multiple trophic levels (food web modelling)
- Commercial fish stocks

Successful candidates will be registered in an appropriate School at Trinity College Dublin. The registered students will be paid an annual stipend of 25,000 Euros\* and tuition fees will be fully covered.

Each research project will involve supervision by experts from three of the six Schools involved one of whom will be the primary supervisor. The researcher will be exposed to several areas of multidisciplinary interests during research and training. The researcher will also have the opportunity of undertaking a placement/research internship at a leading international university, research institute or with an industrial partner. Specially designed training modules will be interwoven with the PhD research project, and the researchers will also receive professional development training.

---

\*The decision to pay a stipend of 25K has been made by the project team.

The world-leading research that you will be involved with will be closely linked with real-world applications, as the projects will be aligned with the priorities of our network of industrial partners. On graduation you will be ideally qualified to follow a career path either in academia or industry. Our training philosophy is that our graduates will provide the innovation and creativity required to lead the world making a significant contribution to the quality of life of future generations.

The OERG seeks candidates for September 2023 entry with a start date of 01 September 2023. . You will hold, or be expected to achieve, a Master's degree or a 4 year undergraduate degree at 2.1 level (or above) in a relevant subject in Engineering, Humanities, Mathematics or Sciences.

Research projects on offer are diverse and successful applicants will choose a project following discussions with project supervisors.

To make formal enquiries please contact Professor Biswajit Basu ([bausb@tcd.ie](mailto:bausb@tcd.ie)) or Professor Poul Holm ([holmp@tcd.ie](mailto:holmp@tcd.ie)).

More information can be found on the website <https://oergtcd.wordpress.com/>.

**Applications will be handled in two stages:**

**Stage 1:** Suitable applicants will be interviewed by staff members of the OERG.

**Stage 2:** Successful applicants will be invited to make a formal application at Trinity College Dublin.

**Closing date: 02 May 2023**

**Interviews will take place in May 2023**