



PhD Scholarship Advertisement

Fully Funded PhD Scholarship in the EPA funded project I-RACE
College of Medicine, Nursing and Health Sciences/School of Medicine/ Discipline of
Bacteriology

Application(s) are invited from suitably qualified candidates for full-time funded PhD scholarship(s) starting in September 2023 affiliated to the College of Medicine, Nursing and Health Sciences/School of Medicine/ Discipline of Bacteriology at the University of Galway.

University of Galway

Located in the vibrant cultural city of Galway in the west of Ireland, the University of Galway has a distinguished reputation for teaching and research excellence

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Detailed Project Description: *“Utilising Integrated constructed wetlands (ICWs) to Reduce Antimicrobial resistance and increase Carbon sequestration in the Environment”* I-RACE is funded by the Environmental Protection Agency (EPA). This collaborative project includes different work packages simultaneously conducted at the University of Galway, Teagasc and University College Dublin. The primary goal of this project is to evaluate the impact of Integrated Constructed Wetlands (ICWs) on two crucial aspects: (i) the abundance and destiny of antimicrobial resistant organisms (AROs) in wastewater, and (ii) the levels of carbon sequestration achieved by these systems.

As part of the I-RACE project team, the main aim of this PhD work is to use state-of-the-art culture-independent genomic analysis to assess the presence of AROs and clinically important pathogens in surface waters of ICWs from different sectors.

The successful candidate will be based in the Discipline of Bacteriology, School of Medicine and will be co-supervised by Dr. Georgios Miliotis and Prof. Dearbháile Morris.

Living allowance (Stipend): €18,500 per annum, [tax-exempt scholarship award]

University fees: €5,890

Start date: 09/2023

Academic Entry Requirements: Minimum of a Bachelor of Science (2.1 or higher) in Microbiology, Genomics, Bioinformatics or a related discipline from the life sciences or data sciences. Master's level research experience is highly desirable. Non-native English speakers require a IELTS(6.5)/TOEFL (88).



To Apply for the Scholarship: Please send a letter of motivation and a current CV, indicating your research experience and including the names of two referees to Dr. Georgios Miliotis via email to georgios.miliotis@universityofgalway.ie. Informal enquiries to the same email are welcome.

Contact Name: Dr. Georgios Miliotis

Contact Email: georgios.miliotis@universityofgalway.ie

Application Deadline: 23/06/2023 and time 17:00 (Irish time 24hr format)

Primary Supervisor name (if applicable): Dr. Georgios Miliotis