



OLLSCOIL NA GAILLIMHĒ
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

Postdoctoral researcher in Marine OMICS
SCHOOL OF BIOLOGICAL AND CHEMICAL SCIENCE
Ref. No. 011018

JOB ADVERTISEMENT

The RestOAre project is the first initiative funded under DTIF Call 7, led by Relevium Medical in collaboration with the University of Galway. It will have a significant impact on knee osteoarthritis patients, providing immediate long-lasting pain relief and reducing disease progression. The University of Galway in the Ireland is seeking to hire a highly motivated full-time **postdoctoral researcher for 2 years** to advance our understanding of seaweed biodiversity and explore its potential for biodiscovery in the field of osteoarthritis. We are particularly interested in applicants with expertise in genomics and a strong interest in marine biodiscovery and/or environmental metabolomics. The candidate will join a dynamic and interdisciplinary team focused on the intersection of genomics, biodiversity, and the biodiscovery of marine algae. You will contribute to research in marine biodiversity while addressing global challenges in sustainability and health as part of the Marine Biodiversity Lab (@marinebiodiversitylab) under the mentorship of Dr Maggie Reddy and Prof. Olivier Thomas. You will work in a dynamic research environment, with access to state-of-the-art facilities, and be part of a supportive, collaborative team. The position also offers excellent opportunities for career development in the rapidly growing field of marine science.

This position is funded by Enterprise Ireland and is available from 01-07-2025 to contract end date of 30-06-2027.

Information on project/centre. Seaweeds are a largely underexplored yet invaluable resource in the quest for novel bioactive compounds with significant pharmaceutical applications. This project is a key component of the [RESTOARE](#) project funded by the Enterprise Ireland through the DTIF Call 7, which employs cutting-edge techniques to unlock the potential of marine species, including seaweeds, for discovering new solutions aimed at pain relief for osteoarthritis. The post-doctoral researcher will be based in the Marine Biodiversity and Biodiscovery lab in charge of the [Irish marine biorepository](#).

Salary: Postdoctoral Researcher salary scale €45,846- €58,481 per annum, (subject to the project's funding limitations), and pro rata for shorter and/or part-time contracts. The default position for all new public sector appointments is the 1st point of the salary scale. This may be reviewed, and consideration afforded to appointment at a higher point on the payscale (subject to the project's funding limitations), where evidence of prior years' equivalent experience is accepted in determining placement on the scale above point 1, subject to the maximum of the scale.

[\(Research Salary Scales - University of Galway\)](#)

Closing date for receipt of applications is 17:00 (Irish Time) on 24-04-2025. It will not be possible to consider applications received after the closing date.



Interviews are planned to be held on 15-05-2025

***Please review full job description for further details and essential requirement**

JOB DESCRIPTION

Job Description:

The successful candidate will contribute to interdisciplinary research at the intersection of genomics, biodiversity, and the biodiscovery of marine algae. You will contribute to research in marine biodiversity while addressing global challenges in sustainability and health as part of the Marine Biodiversity Lab (@marinebiodiversitylab) under the mentorship of Dr Maggie Reddy and Prof. Olivier Thomas.

Duties:

- Collect and curate specimens along with associated metadata in a shared web database.
- Conduct high-throughput genomic and metabolomic analyses in seaweeds in the search for targeted biomolecules.
- Collaborate with interdisciplinary teams of biologists, chemists, and biomedical scientists in the search for bioactive molecules.
- Publish research findings in high-impact journals and present at international conferences.
- Contribute to the development of research proposals and grant applications.
- Oversee lab management and supervise postgraduate students and research assistants.

ELIGIBILITY REQUIREMENTS

Essential skills:

- PhD in Genetics/Genomics, Marine Biology, Environmental Metabolomics, or a related field.
- Proven experience working with marine organisms, particularly seaweeds, with hands-on expertise in laboratory omic techniques.
- Strong ability to independently analyze large datasets in omics (genomics/metabolomics).
- Excellent communication and writing skills, with a demonstrated record of publications in reputable, peer-reviewed journals.

Desirable Skills:

- Experience in SCUBA diving and scientific diving, as well as curating marine biodiversity collections.
- Proficiency in R or Python, and/or bioinformatics tools for taxonomy, systematics, and metabolomics analyses and integration of omic datasets.
- Experience in student supervision, mentorship, and laboratory management.

CONTINUING PROFESSIONAL DEVELOPMENT

Continuing Professional Development/Training:

Researchers at University of Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans. University of Galway



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provides continuing professional development supports for all researchers seeking to build their own career pathways either within or beyond academia. Researchers are encouraged to engage with our Researcher Development Centre (RDC) upon commencing employment - see [HERE](#) for further information.

Please submit your CV, a cover letter outlining your research experience and interest in the project, and the contact details of two referees to mageshneem.reddy@universityofgalway.ie.

FURTHER INFORMATION/LINKS

- **TO APPLY:** [Search Current University of Galway vacancies](#). Applications must be submitted online.
 - [How to apply guide](#)
- **For informal enquiries, please contact Dr Maggie Reddy, School of Biological and Chemical Sciences, Email: mageshneem.reddy@universityofgalway.ie**
- [University's Strategic Plan](#)
- [Working in Research at University of Galway](#)
- [Moving to Ireland \(Euraxess\)](#)
- [Applicant Information](#)
- We reserve the right to re-advertise or extend the closing date for this post.
- University of Galway is an equal opportunities employer.
- All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment.

