

JOB DESCRIPTION

Postdoctoral Research Opportunity

Job Title:	Post-Doctoral Researcher DAFM Project
Reporting To:	Dr Eugene McCarthy
Location:	Marine and Freshwater Research Centre, GMIT, Galway
Duration:	1 Year Fixed Term
Funding Agency:	Department of Agriculture, Food and Marine
Project Title:	Amoebic Disease of Salmon

Description:

GMIT and the Marine and Freshwater Research Centre (MFRC) have a strong reputation in strategically targeted areas of applied marine and freshwater research. The MFRC currently comprises 24 research staff and 43 postgraduate students working together on a range of research fields including ecology, life-history, behavioural, acoustic, pollutant and genetic research.

An exciting opportunity has arisen for the recruitment of a suitably qualified and strongly motivated Post-Doctoral Researcher for large scale interdisciplinary research project: “*ADIOS: Amoebic Disease of Salmon*” funded by the Department of Agriculture, Food and the Marine.

The economic viability of the Irish Atlantic salmon (*Salmo salar*) farming industry is continually challenged by disease and cage-reared mortality, with gill-associated diseases such as Amoebic Gill Disease (AGD) leading to estimated losses of 12% per annum in the Irish aquaculture sector. AGD is caused by gill parasites such as *Neoparamoeba perurans*, which is considered to constitute one of the major health and economic challenges in modern salmonid farming. AGD is believed to be a multifactorial condition involving both environmental and biological factors, while knowledge gaps still remain on the potential role of other pathogens such as parasites, bacteria and viruses in the development of the disease. The overall aim of the ADIOS project is to increase knowledge of host immune response in the Atlantic salmon-AGD complex, identifying potential biomarkers and developing preventative and curative measures to minimise disease occurrence. Led by GMIT, the project’s consortium includes NUIG, UCD, Marine Institute, Fish Vet Group Ireland and a number of indigenous and foreign based companies.

Minimum Requirements

- Ph.D in Biochemistry/Molecular Biology or equivalent.
- * EU defines PhD equivalent as 4 years fulltime research after primary degree.

Desirable

- Publication track-record and strong technical report writing and presentation skills.
- Experience in design of experiments and statistical analysis.
- An influential team member and fully motivated.
- Good communication skills as well as ability to work in a team culture are required.
- Good initiative, flexibility and good organisational skills.
- Technical troubleshooting skills.

Key Responsibilities:

1. Conduct biochemical and proteomic analysis of samples collected from in vivo challenges;
2. Maintain laboratory notebooks, research records and generate technical reports and data as required by the management team;
3. Attend regular meetings with project team in GMIT and at collaborating sites;
4. Assist in planning and implementing the work activities of the research programme with both GMIT and the relevant collaborators team members;
5. Execute project activities within a diverse team within the agreed timelines;
6. Work and interact on a day to day basis with other team members as required;
7. Perform research and technical tasks as assigned;
8. Ensure that project work is performed in line with Health and Safety and other relevant Institute policies;
9. Maintain confidentiality of all background IP, foreground IP, and research results emerging from the project;
10. Report regularly on progress and future areas for improvement and development;
11. Communicate ideas & information clearly and effectively with the wider project team; interface with vendors and other technical consultants when required.

Project Duration: 12 months

Salary: €37,223.00 (Point 1 of Post-Doctorate Researcher Level 2 IUA scale)

Further information on the position may be obtained from Dr Eugene McCarthy (eugene.mccarthy@gmit.ie)

Interested applicants should submit a detailed Curriculum Vitae including a personal statement as to how you meet the requirements of the post described to hr@gmit.ie

The Human Resources Department

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Latest date for receipt of completed application is: 12 noon on Friday, 8th February 2019

Please note:

Applications received after the closing date will not be accepted.

Candidates must hold a valid work permit/hosting agreement to work in Ireland.

Garda Vetting will apply.

The Galway-Mayo Institute of Technology is an equal opportunities employer and welcomes applications from people with a disability.

Cuirfear fáilte roimh chomhfhreagras trí Ghaeilge.