

<b>Title:</b>	<b>Research Assistant (P691) (1 Year Fixed Term)</b>
<b>Reporting To:</b>	Dr Eugene McCarthy
<b>Location:</b>	Marine and Freshwater Research Centre, GMIT
<b>Duration:</b>	1 Year Fixed Term (June 2019 – 31 <sup>st</sup> May 2020)
<b>Funding Agency:</b>	Department of Agriculture, Food and the Marine
<b>Project Title:</b>	ADIOS: Amoebic Disease of Salmon
<b>Job Description:</b>	<p>GMIT and the Marine and Freshwater Research Centre (MFRC) have a strong reputation in 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 fish health, ecology, life-history, behavioral, acoustic, pollutant and genetic research.</p> <p>An exciting opportunity has arisen for the recruitment of a suitably qualified and strongly motivated Research Assistant 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 (<i>Salmo salar</i>) 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 <i>Neoparamoeba perurans</i>, 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.</p>
<b>Requirements:</b>	<p><b>Minimum:</b></p> <ul style="list-style-type: none"> <li>• Bachelor of Science degree in Molecular Biology, or other relevant area.</li> <li>• Experience of working in a research laboratory.</li> <li>• Ability to work independently, using own initiative.</li> <li>• Willingness to undertake additional training, when required.</li> </ul>

<p><b>Key Responsibilities:</b></p>	<ul style="list-style-type: none"> <li>• Validation of Next Generation Sequencing (NGS) data sets.</li> <li>• Nucleic acid extraction, reverse transcription.</li> <li>• Standard and Real-time PCR (qPCR), biochemical analysis.</li> <li>• Perform research and technical tasks as assigned within agreed timelines.</li> <li>• Maintain laboratory notebooks, research records and technical reports.</li> <li>• Generate Standard Operating Procedure (SOP) documents.</li> <li>• Interface with vendors and other technical consultants when required.</li> <li>• Work and interact on a day-to-day basis with other team members as required.</li> <li>• Participate in regular meetings with project team to communicate project results.</li> <li>• Ensure that all work is performed in line with Health and Safety, and other relevant Institute policies.</li> <li>• Maintain confidentiality of all background IP, foreground IP, and research results.</li> </ul>
<p><b>Salary Scale:</b></p>	<p>€22,109.00 (Point 1) - €32,728.00 (Point 15) Research Assistant Level 1 IUA Scale</p> <p>Starting Salary is dependent on funding availability and experience and will also be market-driven and discipline-related.</p>

Further information on the position may be obtained from Dr Eugene McCarthy ([Eugene.McCarthy@gmit.ie](mailto: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](mailto:hr@gmit.ie)

Latest date for receipt of completed application is: **12 noon on Friday, 12<sup>th</sup> April 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.