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UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

## Postdoctoral Researcher/Research Associate – Precision Oncology Ireland-2

Dwyer Lab,

Discipline of Surgery, School of Medicine

Ref. No. 011714

### JOB ADVERTISEMENT

Applications are invited from suitably qualified candidates for a full-time, fixed term position as Postdoctoral Researcher with Professor Róisín Dwyer's team in the Discipline of Surgery at the University of Galway, Ireland.

This position is part of the Precision Oncology Ireland (POI)-2 Network (<https://www.precisiononcology.ie>) and is funded jointly by Research Ireland and the National Breast Cancer Research Institute (NBCRI). The post is available from April 2026 to March 2029.

The Dwyer Lab is focused on development of novel therapies for metastatic breast cancer ([Róisín Dwyer - University of Galway](#)). This project will specifically investigate the potential of microRNAs as targeted therapeutics for metastatic breast cancer. The therapeutic potential of a panel of miRNAs will be determined through interrogation of individual and synergistic functional activity, and tumor-targeted delivery via extracellular vesicles (EVs). To closely mimic the clinical setting, the project will utilise advanced 3D dynamic *in vitro* and *in vivo* models of breast cancer.

**Salary:** Postdoctoral Researcher/Research Associate salary scale €46,805- €59,654 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 17<sup>th</sup> April 2026. It will not be possible to consider applications received after the closing date.**

**Interviews are planned to be held on 27<sup>th</sup> April**

**\*Please review full job description for further details and essential requirements.**

### JOB DESCRIPTION

**Job Description:**



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The successful candidate will join the multidisciplinary POI-2 network and will be based full time in the Lambe Institute for Translational Research in the School of Medicine.

#### **Duties and Responsibilities (Summary):**

- Conduct research and development tasks to achieve aims of funded project focused on development of microRNAs for treatment of metastatic breast cancer
- Advance the development of 3D dynamic *in vitro* and clinically relevant *in vivo* preclinical models for evaluating novel microRNA-based therapeutics
- Data analysis, interpretation and reporting
- Contribute to administrative work including development of SOPs, ethics documentation, budget management, progress reports, and development of future funding initiatives
- Dissemination of research data through publications and presentations at team meetings and at national/international conferences
- Active participation in POI-2 network meetings and events
- Work with team members and multidisciplinary collaborators to enhance and progress the lab research programme in line with developments in the field
- Train and mentor postgraduate and undergraduate research students to develop project aims and achieve deliverables

## **ELIGIBILITY REQUIREMENTS**

#### **Essential Requirements:**

- PhD qualification in biological sciences (candidates who have submitted their thesis and are awaiting Viva will be considered)
- Strong track record in basic molecular biology techniques (e.g. microRNA amplification/PCR, Western Blot, immunohistochemistry, lentiviral transduction, ELISA)
- Advanced cell culture experience (e.g. 2D and 3D, primary culture, bioreactors)
- Significant experience with isolation and characterization of Extracellular Vesicles (EVs)
- Significant experience with preclinical/*in vivo* models of disease including *in vivo* imaging
- Ability to work to deadlines and produce appropriate research reports
- Experience in training and mentorship of undergraduate /postgraduate research students
- Demonstrated ability to work as part of a team and collaborate effectively
- Excellent interpersonal, communication (written and oral) and facilitation skills

#### **Desirable Requirements:**

- Experience with advanced microscopy (e.g. TEM, confocal), digital PCR and/or spectral flow cytometry
- Experience with *in silico* analysis of large datasets.
- Experience in project reporting and presentation

## **CONTINUING PROFESSIONAL DEVELOPMENT**

#### **Continuing Professional Development/Training:**



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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 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.

## 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 Professor Róisín Dwyer, School of Medicine, Email [roisin.dwyer@universityofgalway.ie](mailto:roisin.dwyer@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.



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