



OLLSCOIL NA GAILLIMHĒ
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

Research Fellow – CellConnect
Disruptive Technology Innovation Fund (DTIF) Round 6
Anatomy, College of Medicine
Ref. No. 011697

JOB ADVERTISEMENT

Applications are invited from suitably qualified candidates for a full-time, fixed term position as a Research Fellow with Discipline of Anatomy at the University of Galway, Ireland.

This position is funded by Disruptive Technology Innovation Fund (DTIF) Round 6 and is available from 01/06/2026 to contract end date of 02/06/2027.

This project, funded under the Disruptive Technologies Innovation Fund (DTIF) Round 6, addresses a critical challenge in biopharma: making Advanced Therapeutic Medicinal Products (ATMPs) more accessible and cost-effective. The retrieval and processing of these ATMPs require a robust supply chain to maintain the viability and quality of starting materials and final products for cell therapies within strict time constraints. The project aims to establish a reliable source of tissue procurement and manage downstream logistics of starting materials and final products for cell therapies. The lab at the University of Galway plays a crucial role in developing a novel dual-chamber transportation system that can sustain ATMP products under ambient shipment conditions for up to 100 hours. Through the CellConnect project, this technology will be optimized to extend the lifespan of starting materials and final products contributing to a smart, safe, and quality-assured supply chain for the biopharmaceutical sector.

Salary: Research Fellow salary scale €66,548 - €86,874 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 6th April 2026. It will not be possible to consider applications received after the closing date.

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

JOB DESCRIPTION

Job Description:



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The successful candidate will perform research tasks for the CellConnect DTIF project in Anatomy and liaise with partners in the University of Galway, HiTech Health Ltd., & Odyssey Validation Consultants Ltd. to develop a state-of-the-art disruptive digital technology to track live cells and monitor their viability in real-time as they are shipped ambiently to transform the current cell therapy supply chain.

Duties:

- Lead the design, development and optimisation of nanoemulsions and ambient cell transfer systems.
- Oversee and execute advanced experimental studies, including real-time monitoring and system validation.
- Direct biosensor integration strategies and data acquisition workflows for performance optimisation.
- Supervise and mentor research assistants and postgraduate researchers within the project.
- Lead quantitative data analysis, statistical validation and interpretation of complex datasets.
- Drive SOP development and ensure alignment with translational and GMP-informed frameworks.
- Contribute to grant applications, industry engagement, and technical documentation to support commercialisation pathways.
- Present findings at internal and external meetings and contribute to high-impact publications.
- Undertake any other duties commensurate with the level of the post.

ELIGIBILITY REQUIREMENTS

Essential Requirements:

- PhD in pharmaceuticals, biomaterials, nanomedicine, biomedical engineering, or a related discipline.
- Minimum of 4–6 years postdoctoral research experience, or equivalent relevant research experience.
- Demonstrated expertise in formulation and optimisation of nano- or micro-particulate systems or biomaterial-based delivery platforms.
- Experience applying Design of Experiments (DOE) or similar approaches for formulation optimisation.
- Extensive experience in mammalian cell culture and in vitro evaluation of biomaterials or therapeutic systems.
- Experience with analytical characterisation techniques for biomaterials or formulations (e.g., rheology, spectroscopy, microscopy).
- Evidence of independent research leadership, including supervision of students or research staff.

Desirable Requirements:

- Experience developing translational biomaterial or therapeutic delivery systems.
- Experience working within multidisciplinary academic or industry collaborations.
- Track record of peer-reviewed publications in biomaterials, drug delivery, or related fields.
- Experience contributing to grant writing or funded research programmes.



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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 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:
Dr Ruth Levey ruth.levey@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.

