



OLLSCOIL NA GAILLIMHE
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

Postdoctoral Researcher /Research Associate– Research Ireland ARC Hub for HealthTech, Physiology, School of Pharmacy and Medical Sciences

Ref. No. 011426

JOB ADVERTISEMENT

Applications are invited from suitably qualified candidates for a full-time, fixed term position as a Postdoctoral Researcher in the University of Galway. This position is funded by the Research Ireland ARC Hub Programme. This role is based in the School of Pharmacy and Medical Sciences and the successful candidate will work at the intersection of biomedical engineering and management of recurrent urinary tract infection. The successful candidate will lead technical work on device development as well as receiving training on commercialisation through the Research Ireland ARC Hub. This position is available from October 2025, with some flexibility on start date, for ten months initially, with the potential of a further year, depending on progress.

Salary: Postdoctoral Researcher salary scale €46,305- €59,063 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 12th November 2025. It will not be possible to consider applications received after the closing date.

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

JOB DESCRIPTION

Job Description:

Currently 30-40% of women suffer painful and debilitating recurrent UTIs (rUTIs), and living with rUTIs impacts mental wellbeing increasing incidence of anxiety and depression. Current treatments don't prevent rUTIs and physicians' preference for antibiotics is driving the antibiotics market as the first line treatment, while patients are looking for alternative. The ideal therapy would, be minimally invasive, eliminate biofilm and active infection, without generating resistance and improve patient QOL, restoring healthy bladder function. This project builds on previous work within the research group to take a completely new approach to the management of high blood pressure. Working within a multidisciplinary team of healthcare professionals and scientists, the successful candidate will contribute to the development and preclinical evaluation of this platform, performing benchtop, in



OLLSCOIL NA GAILLIMHE
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

silico and in vivo testing. This is a translational, impact-focused role at the interface of healthtech innovation and clinical need.

This position is funded through the ARC Hub for HealthTech. The ARC Hub for HealthTech is co-funded by the Government of Ireland and the European Union through the ERDF Northern & Western Regional Programme 2021-2027. This is a collaborative initiative between University of Galway, Atlantic Technological University (ATU) and the RCSI University of Medicine and Health Sciences, to guide academic projects to commercial success. The successful candidate will benefit from training provided by the ARC Hub for HealthTech and have the opportunity to participate in training on aspects of the commercialisation process including intellectual property and market access.

Duties:

- Work with the research team to define technical and commercial objectives for the project and proactively identify risks and technical solutions.
- Design, conduct and analyse the research required to meet these objectives including, but not limited to, the design, execution and analyses of device prototyping, benchtop testing, *in silico* and *in vitro/ex vivo* testing.
- Participate in training and mentoring opportunities provided by the Research Ireland ARC Hub and collaborate with ARC Hub for HealthTech team to support the development of a commercialisation roadmap for the technology.
- Present and communicate research results appropriately and collaborate effectively with colleagues, the ARC Hub for HealthTech team and scientific groups locally, nationally and internationally.
- Complete administrative work and budget management relating to the research project including contributing to the preparation of future funding applications.
- Comply with all legal requirements including those that relate to Health and Safety and data protection.
- Any other duties assigned commensurate to this level of post.

The University is committed to embracing opportunities for hybrid working, to build a more dynamic, agile and responsive University, while sustaining strong standards of teaching, learning, research and high levels of productivity. The University will continue to be the primary workplace for all staff, however individual hybrid arrangement requests can be reviewed with the Line Manager in conjunction with the University Hybrid Working Policy.



OLLSCOIL NA GAILLIMHE
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

ELIGIBILITY REQUIREMENTS

Essential Requirements:

- PhD in Biomedical Engineering (or related field). Candidates that have submitted their thesis prior to start date and are awaiting their viva examination will be considered.
- Experience in designing, executing and analysing benchtop and *ex vivo* experiments.
- Demonstrable ability to work with programming software.
- Excellent verbal, written and interpersonal communication skills, evidenced by a history of publication or presentation at conferences.
- Strong record of a willingness to problem-solve and upskill in areas relevant to the successful completion of a project as they arise.
- Previous experience of working independently and collaborating with multidisciplinary teams.

Desirable Requirements:

- Experience in the design and pre-clinical testing of medical devices.
- Knowledge of commercial development of medical device such as preparation of invention disclosures or preparation of a business model canvas.
- Previous experience managing a research project including budget and administrative management.
- Demonstrable interest in translational research and healthtech innovation

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 Prof Leo Quinlan, Head of School of Pharmacy and Medical Sciences. Email leo.quinlan@universityofgalway.ie
- [University's Strategic Plan](#)



OLLSCOIL NA GAILLIMHE
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

- [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.



Rialtas na hÉireann
Government of Ireland



Ama chomhchistiú ag
an Aontas Eorpach
Co-funded by the
European Union



Tionól Réigiúnach
An Tuaiscirt & An Iarthair
Northern & Western
Regional Assembly



Taighde Éireann
Research Ireland

The ARC Hub for HealthTech is co-funded by the Government of Ireland and the European Union through ERDF Northern & Western Regional Programme 2021-2027.

