



OLLSCOIL NA GAILLIMHĒ
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

Postdoctoral Researcher - PRevnation through Integrated Outcomes

Health Economics

J.E. Cairnes School of Business and Economics

Ref. No. 011784

JOB ADVERTISEMENT

Applications are invited from suitably qualified candidates for a full-time fixed term position as a Postdoctoral Researcher in Health Economics at the J.E. Cairnes School of Business and Economics at the University of Galway, Ireland.

This position is funded by the Environmental Protection Agency (EPA) and is available from 1st July 2026 to contract end date of 31st March 2028.

The Postdoctoral position is available as part of the *Prioritise* project - PRevnation through Integrated Outcomes: Reducing radon ImpacTs on Irish Society and Economy. Radon is the second-highest leading cause of lung cancer, after smoking, in many countries, and associated increased risk of leukaemia and multiple myelomas have also been reported. The PRIORITISE project addresses a critical evidence gap by delivering an interdisciplinary evaluation of the cost-effectiveness of radon prevention measures in new Irish homes. It will integrate the latest health data, economic modelling, and building science to assess the long-term health and economic value of strategies such as radon barriers, passive sumps, and ventilation systems. The project is a two-year collaborative and interdisciplinary project between researchers based at the University of Galway and Maynooth University. The researcher will work under the supervision of Drs Edel Doherty and Ronan Mahon at University of Galway and the project Principal Investigator, Dr James McGrath at Maynooth University. The researcher will be based at the University of Galway.

Salary: Postdoctoral Researcher 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 5th June 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



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Job Description:

The successful candidate will be employed as a health economist on the project and they will be responsible for delivery the health economic analysis and contribute to wider project activities such as project management, networking and dissemination as directed by the project team. The health economic analysis involves working across two separate but interrelated health economics work packages. One WP will involve providing up to date estimates of the health economic burden of radon-related cancer. The WP will use a combination of estimation methods based on available data sources to estimate costs related to healthcare utilisation, work absenteeism and premature mortality. As much as possible, we will provide bottom-up estimates of costs supplemented by top-down approaches if microdata is not available. The second health economics work package involves utilising the evidence generated in WPs 2, 3 and 4, this WP will comprise a de novo cost effectiveness analysis of the proposed radon intervention strategies. A review will be undertaken of previous relevant analyses in both Ireland and internationally to inform an appropriate cost-effectiveness decision model. Input parameter values will be derived based on existing literature, secondary data sources in Ireland and the evidence generated in WPs 2, 3 and 4. The key output from the analysis will be identification of the most cost-effective strategy, that is to say the strategy that represents the best use of public resources based on the standards employed in healthcare resource allocation decision-making. The methodology used will align with the Health Economic Evaluation guidelines issued by the Health Information and Quality Authority (HIQA).

Duties:

- Assist with the project management to support the programme of research
- Review the literature on the economic burden of radon-related lung cancer and previous economic evaluations of radon prevention strategies.
- Estimate the healthcare costs and non-healthcare costs associated with radon-related cancer
- Develop a modifiable cost-effectiveness decision model of radon prevention strategies using data gathered from other WPs in the project and secondary data sources.
- Present on research progress and outcomes e.g. to bodies supervising research; conferences, steering groups; other team members, as agreed with the PI / project leader.
- Attend and network at relevant conferences and meeting hosted by relevant professional institutions and other universities as appropriate
- Participate in internal / external networks for the exchange of information and to form relationships for future research collaboration
- Contribute to the writing of reports and research papers for publication
- Actively participate in new funding opportunities, such as the development and writing of proposals
- Any other duties assigned commensurate to this level of post

ELIGIBILITY REQUIREMENTS

Essential Requirements:

- PhD in Health Economics or other related disciplines



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- Record of publication in relevant disciplines (commensurate with stage of career)
- Evidence of excellent quantitative research skills such as economic evaluation including cost of illness and model-based cost-effectiveness analysis
- Evidence of excellent communications skills, both written and oral
- Strong coordination, project management and teamwork skills
- Be a motivated self-starter, as well as being focused and exacting in work ethic.

Desirable Requirements:

- Previous experience conducting cost effectiveness analysis
- Experience conducting systematic literature reviews
- Good record of participation in the academic community
- Experience working in interdisciplinary research projects

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 Edel Doherty, Email: edel.doherty@universityofgalway.ie or Dr Ronan Mahon, email: ronan.mahon@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.



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- University of Galway is an equal opportunities employer.
- All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment.

