John & Pat Hume Doctoral Awards 2025-2026

Department: Economics

Supervisor: Dr Irene Mosca

Supervisor Email: irene.mosca@mu.ie

Title of Research Area:

Population health; factors influencing health outcomes; microdata; econometric modelling

Description of research areas supervisor is willing to accept applications in:

I welcome applications in the sphere of population health. Population health involves understanding and addressing the diverse factors that influence the health status and health outcomes across different populations. Examples of health outcomes studied in the literature include life expectancy, disability status, quality of life, self-assessed health or more generally many different measures of physical, mental and cognitive health. Many factors can influence health outcomes. These include, gender, ethnicity, education, income and income inequality, access to care, economic and social status and labour market status, among others. I welcome proposals that aim to investigate empirically the links between health outcomes and the factors that influence such outcomes using microdata and econometric modelling. Microdata are individual-level data obtained from sample surveys, censuses, and administrative systems. Applicants should have a background in economics and strong quantitative research and analysis skills, such as knowledge of different types of regression analyses. Please visit https://www.maynoothuniversity.ie/people/irene-mosca to see some of my ongoing projects and publications and to see if see if I am a good fit for your research interests.

How supervisor research areas align to Maynooth University research priority areas:

My research area closely aligns with three of MU research beacons. The first is “Health and Wellbeing” as the research area of interest is population health. The second is “Data and Digital Transformation” as microdata will be used. The third is “Society and Public Policy” as public policy can affect most of the determinants of the health outcomes outlined above.

END