



NUI Galway  
OÉ Gaillimh



# Hardiman Research Scholarships

(to commence September 2011)

NUI Galway, Ireland is now offering 30 scholarships for structured PhD programmes. The Hardiman Research Scholarships are fully-funded four-year PhD scholarships, focused on five key areas of research in which the University offers leading expertise.

The five areas of research covered by the scholarships are:

Biomedical Science and Engineering

Informatics, Physical and Computational Sciences

Environment, Marine and Energy

Applied Social Sciences and Public Policy

Humanities in Context

## How to Apply and Find out More Information

Applications and more information are available to download at :[www.nuigalway.ie/hardiman-scholarships](http://www.nuigalway.ie/hardiman-scholarships)  
Completed application forms, together with a CV, should be emailed to [hrscholar@nuigalway.ie](mailto:hrscholar@nuigalway.ie)  
by 5.00 pm on the 19th of June 2011.

# Hardiman Research Scholarships

Named in honour of James Hardiman, the first Librarian of Queen's College Galway (now NUI Galway), this new four-year scholarship programme aims to produce highly focused PhD graduates, from a pool of national and international candidates.

## NUI Galway's Research Strengths

The Hardiman Research scholarships are open to students applying for a PhD in one of NUI Galway's priority areas of research:

### Biomedical Science and Engineering

Galway is one of four global hubs for Medical Technologies and NUI Galway is Ireland's leading University for Biomedical Science and Engineering. The NCBES, the National Centre for Biomedical Engineering Science is the University's flagship Biomedical Research Institute. Our programmes combine research with clinical translation, education and technology transfer. Our major research clusters include REMEDI, the Regenerative Medicine Institute, Cancer Biology and Therapeutics, Glycosciences and Biomedical Engineering, focused on Biomechanics and Functional Biomaterials.

### Informatics, Physical, and Computational Sciences

The objective of this area is to support research in mathematics, core physical sciences, and Information Technology leading to new technologies and contributing to the knowledge-based economy in Ireland. Our research addresses the problems presented by vast data sets flowing from imaging activities (biology, chemistry, astronomy) that need significant computing power to reduce, analyse and visualize. Further, we research modelling and simulation, which are integral to almost all physical and biological sciences. DERI, our Digital Enterprise Research Institute, is the world's largest institute for semantic web research and is a Science Foundation Ireland Centre for Excellence in Science and Technology.

### Environment, Marine, and Energy

This research area covers environmental change and modelling, atmospheric studies, biodiversity and bioinformatics, marine science and law, and sustainable energy. Our researchers in the Ryan Institute work with industry, government and each other to assess the harmful environmental impacts associated with global and regional climate change. Research efforts towards enhanced energy efficiencies and conservation methods, renewable energy sources, and new advanced environmental technologies help address the dilemma between balanced economic growth and environmental impacts.

### Applied Social Sciences and Public Policy

NUI Galway has an international reputation in this research area, focused around the Centre for Innovation and Structural Change (CISC) and the new Life Course Institute. We are committed to improving our understanding of innovation and social entrepreneurial strategies. Our researchers examine economic innovation and social change and different academic disciplines in the social sciences to explore issues of innovation, social inclusion, balanced development and health.

### Humanities in Context

NUI Galway has a strong research ethos in the Humanities, concentrating on established areas of excellence, and fostering new research initiatives. We collaborate with other research groups across the University, examining areas such as disease, ageing and challenges to the environment from archaeological, literary or historical perspectives. Research into Ireland's presence within the European and global community and its contribution to international developments, as well as the unique contribution that NUI Galway can make to the Irish language and cultural studies have also been reflected in our research projects. The Moore Institute fosters the culture of research by bringing Scholars and graduate students in the Humanities into contact with peers throughout the world.

### Selection of Scholarship winners

Students applying for this programme will nominate the supervisors with whom they wish to work and will be assessed by an independent panel which will ensure that the best research experience for the student is received.

### Creativity and Enterprise

Additional Modules on Creativity and Enterprise will be offered in the course of these structured PhD programmes to ensure interaction between the graduate students and encourage peer support, enabling graduates to complete the programme on time and to a high level of satisfaction, supporting their research and personal development.

### Areas of Award:

The awarding of these Scholarships is divided into two streams:

**Stream A:** Colleges of Arts, Social Sciences & Celtic Studies and Business, Public Policy & Law

**Stream B:** Colleges of Engineering & Informatics, Medicine, Nursing & Health Sciences and Science.

Applicants enter one of the two areas and nominate one to three potential supervisors.

### How to Apply:

Applicants can apply to one of the two areas and nominate one to three potential supervisors from a pre-approved list. Applicants have to complete an application form, which is available at [www.nuigalway.ie/hardiman-scholarships](http://www.nuigalway.ie/hardiman-scholarships), outlining their academic achievements to date, their research experience and a personal statement on why they want to pursue research in the chosen area(s).

All shortlisted applicants will be interviewed.

Application forms are available at [www.nuigalway.ie/hardiman-scholarships](http://www.nuigalway.ie/hardiman-scholarships) Currently registered PhD students are not eligible to apply.

### Find out more:

[www.nuigalway.ie/hardiman-scholarships](http://www.nuigalway.ie/hardiman-scholarships)  
E: [horscholar@nuigalway.ie](mailto:horscholar@nuigalway.ie)