



**Maynooth  
University**

National University  
of Ireland Maynooth

**Maynooth University  
Ollscoil Mhá Nuad**

## PhD Studentships in Kathleen Lonsdale Institute for Human Health Research

### Details of the Award

The Kathleen Lonsdale Institute for Human Health Research is pleased to announce that 6 PhD Scholarships will be available for students intending to commence PhD studies in September 2022.

The Kathleen Lonsdale Institute for Human Health Research draws on the unique expertise across a wide range of disciplines and over 40 research groups in Maynooth University to address health-related research challenges. The disciplines span from Biology to Psychology, Chemistry, Computer Science and Engineering. The training of PhD graduates is one of the key objectives of the Institute.

### Value of Scholarship

Stipend of € 18,500 per annum (for 4 years subject to satisfactory progression).

### Role of the student

Students will be required to conduct full time research in a laboratory.

### Eligibility Criteria

Graduates in the Life Sciences or related areas (1<sup>st</sup> or upper 2<sup>nd</sup> class honours degree).

### Duration

The scholarship will be awarded for 4 years of study, subject to satisfactory annual review of progress in research.

### Application and Selection Criteria

Applications are invited for the second intake of PhD Scholars into the Kathleen Lonsdale Institute for Human Health Research in October 2022

### Applications will be considered for the following research projects:

- **Project title:** A new strategy in the fight against antimicrobial resistance: emerging two-dimensional transition metal dichalcogenides as antimicrobial agents and coatings  
**Supervisor:** Dr Carmel Breslin  
**Email:** [carmel.breslin@mu.ie](mailto:carmel.breslin@mu.ie)
  
- **Project title:** Killer MAITs: Investigating the impact of obesity on MAIT cell anti-cancer properties  
**Supervisor:** Dr Andrew Hogan  
**Email:** [andrew.e.hogan@mu.ie](mailto:andrew.e.hogan@mu.ie)
  
- **Project title:** GUT-microRNA-Repair: Identifying microRNA-controlled immune circuits to limit inflammation and elicit intestinal mucosal healing  
**Supervisor:** Dr Eoin McNamee  
**Email:** [eoin.n.mcnamee@mu.ie](mailto:eoin.n.mcnamee@mu.ie)

- **Project title:** Deciphering the systemic immune response to bacterial translocation in liver cirrhosis  
**Supervisor:** Dr Mark Robinson  
**Email:** [mark.robinson@mu.ie](mailto:mark.robinson@mu.ie)
  
- **Project title:** Glycoprobes for Ultrafast and Selective Pathogen Detection  
**Supervisor:** Dr Trinidad Velasco-Torrijos  
**Email:** [trinidad.velascotorrijos@mu.ie](mailto:trinidad.velascotorrijos@mu.ie)
  
- **Project title:** Utilising mannosides to tackle water-borne *Escherichia coli* in water from flooded farmland  
**Supervisor:** Dr Fiona Walsh  
**Email:** [fiona.walsh@mu.ie](mailto:fiona.walsh@mu.ie)

E-mail a personal statement, curriculum vitae and contact details for 2 referees to [the contact Supervisor indicated for the relevant research project.](#)

*All eligible candidates will be considered for these studentships. Applicants may be shortlisted for interview and, if so, will be contacted directly by the project supervisor.*

**Closing Date** Midnight Sunday 29<sup>th</sup> May 2022.

**Further details available** Contact Dr Nezira Delagic ([nezira.delagic@mu.ie](mailto:nezira.delagic@mu.ie)).