



**Maynooth  
University**  
National University  
of Ireland Maynooth

**Kathleen Lonsdale  
Institute for Human  
Health Research**

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

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.

### Applications are now invited for the 2023 intake of PhD Scholars into the Kathleen Lonsdale Institute for Human Health Research in September 2023

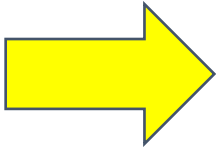
**Applications will be considered for the following research projects:**

- **Project title:** Non-invasive electrochemical sensing of glucose and ketone bodies for diabetic health monitoring  
**Supervisor:** Dr Eithne Dempsey  
**Email:** [eithne.dempsey@mu.ie](mailto:eithne.dempsey@mu.ie)
- **Project title:** Towards Tumour Theranostics: Hypoxia Activation as a tool for therapy and diagnostics  
**Supervisor:** Dr Robert Elmes  
**Email:** [robert.elmes@mu.ie](mailto:robert.elmes@mu.ie)

- **Project title:** Investigating the role of MIF in trained immunity induced by the asthma allergen house dust mite

**Supervisor:** Prof Karen English

**Email:** [karen.english@mu.ie](mailto:karen.english@mu.ie)



- Project title:** Explaining the genetic link between sleep and neurodevelopmental conditions: genome-wide analysis of rare tandem repeat expansions

**Supervisor:** Dr Lorna Lopez

**Email:** [lorna.lopez@mu.ie](mailto:lorna.lopez@mu.ie)

- **Project title:** Development, validation and application of a biosensor for real-time monitoring of GABA in the mammalian brain

**Supervisor:** Prof John Lowry

**Email:** [john.lowry@mu.ie](mailto:john.lowry@mu.ie)

- **Project title:** Uterine tissue glycosylation in conception

**Supervisor:** Dr Roisin O'Flaherty

**Email:** [roisin.oflaherty@mu.ie](mailto:roisin.oflaherty@mu.ie)

- **Project title:** Improving nutritional value of rapeseed products for human consumption

**Supervisor:** Dr Diarmuid O'Maoileidigh

**Email:** [diarmuid.s.omaoidigh@mu.ie](mailto:diarmuid.s.omaoidigh@mu.ie)

- **Project title:** Editing the glycome of innate lymphocytes to optimise anti-cancer cytotoxicity (GlycOpt)

**Supervisor:** Dr Mark Robinson

**Email:** [mark.robinson@mu.ie](mailto:mark.robinson@mu.ie)

Whilst a key aspiration of the 4 year PhD programme is advancement of knowledge through research, it is also underpinned by structured training in generic and transferable skills.

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

**Stipend:** € 18,500 per year plus fees.

**Application Procedure:** e-mail CV and contact details for 2 referees to **[the contact Supervisor indicated for the relevant research project.](#)**

**Deadline:** Midnight Monday 29<sup>th</sup> May 2023

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