



We wish to recruit for **3 x positions** within the **Mucosal Immunology Research Laboratory** of Dr. Eóin McNamee. The group is based in the Kathleen Lonsdale Institute for Human Health Research and Department of Biology at Maynooth University. We are looking for highly motivated individuals with a strong work ethic and a passion for biological sciences to join a highly collaborative team funded by a Science Foundation Ireland – Future Research Leader programme.

This **translational research group** has a strong focus on the inflammatory bowel diseases and we target critical cytokine, chemokine and microRNA networks to understand how healthy immune responses are maintained at the intestinal mucosal barrier and what processes over-ride this during disease or infection. New recruits to the group will investigate how myeloid immune cells sense and adapt to the inflamed tissue microenvironment during chronic intestinal inflammation and identify new therapeutic targets to promote tissue repair.

#### **PhD studentship** (Immunology | Cell Biology | Genetics)

A fully funded 4 year PhD position is available from October 1<sup>st</sup> 2022 at the Kathleen Lonsdale Institute for Human Health Research. This project, entitled “GUT-microRNA-Repair” is at the intersection of immunology and molecular cell biology and will identify microRNA-controlled immune circuits to limit inflammation and elicit intestinal mucosal healing. Techniques employed will include *in vitro* cell culture of monocytes/macrophage and cutting edge intestinal stem cell organoids, in addition to biochemistry, pharmacology and advanced imaging. Candidates will gain experience with cutting edge transgenic mouse systems for cell-specific *in vivo* ribosome profiling and RNA biology.

#### **Post-Doctoral Researcher** (RNA biology | Cell Biology | Genetics | Immunology)

We are seeking a Post-doctoral research scientist to join the group with the opportunity to contribute to diverse projects based on previous expertise and interests. Our research is at the intersection of immunology and molecular cell biology and we are investigating how the changing tissue microenvironment and metabolic stress of inflammation, shapes the progression to either chronic disease or healing in the intestine. Candidates with an interest in RNA biology, RNA-binding proteins, ER-stress responses or Inflammation are particularly encouraged to apply. Projects will take a translational approach with active clinical and industrial collaborations, investigating novel therapeutic interventions. This post is funded for 24-Months with opportunity to renew. Appointment will be made in accordance with the IUA pay guidelines: Postdoctoral Researcher scale: Point 1 (€37,874 per annum per annum) up to point 5 (commensurate with experience).

#### **Research Assistant**

We are seeking a staff scientist at the Research Assistant grade. Duties will include experimental design, performing experimental procedures and data analysis. Professional working etiquette, including liaising with external scientists, clinical sites and industrial collaborators is an important aspect of the role. The candidate will participate in the diverse tasks associated with the daily functioning of the laboratory and gain experience at overseeing junior team members including graduate and undergraduate students. Effective communication of research findings, including compiling reports and laboratory documentation is essential. Ideal candidates will have a BSc or MSc in any of the following disciplines Immunology, Biochemistry, molecular cell biology or equivalent. This post is funded for 24-Months with opportunity to renew. Appointment will be made in accordance with the IUA pay guidelines: Research Assistant Scale: Point 1 (€23,061 per annum) up to point 7 (€27,767 per annum).

Candidates must be able to demonstrate strong initiative and to work within a highly collaborative team to support/train other team members as appropriate. Successful applicants will have excellent oral and written communication skills, effective time management and organization skills.

To apply, please email your CV and cover letter with a list of 2 references to [eoin.n.mcnamee@mu.ie](mailto:eoin.n.mcnamee@mu.ie) . Informal enquiry's welcomed.