



## Genomic Data Science PhD Studentship

We are recruiting a PhD student to work on an European Research Council funded project FamilySleeps that investigates circadian rhythms as an endophenotype of autism. Specifically, the successful candidate will address this research question by undertaking genetic analyses, working with genomic data (including NGS, genomic risk profiling) in family-based cohorts (generated by our group), population-based cohorts (UK Biobank) and longitudinal child development cohorts (ABCD Study) using bioinformatic tools, machine learning, statistical software, sequencing technology, visualisation tools and big data tools.

We are looking for

- Students with a life science degree, with a high degree of motivation to learn the fundamentals of genomic data analysis, and to develop quantitative skills.
- Students with a non-biological background (e.g. computer science, maths, physics), who are highly motivated to transition to genomic data science.
- A high level of written and spoken English proficiency is required.

The successful candidate will

- develop your research project while working in a competitive, interdisciplinary and highly collaborative environment.
- have access to professional training and acquisition of highly transferable skills through a structured PhD program in Maynooth University. This is complemented by a wide range of activities (retreats, symposia, student life).
- receive full funding. A stipend of €18,500 pa is included from 1<sup>st</sup> October 2023 for four years. Postgraduate EU and International tuition fees are covered. Additional funding for international training, conferences and computing is available.

How to apply

- email [lorna.lopez@mu.ie](mailto:lorna.lopez@mu.ie)
- before 5pm Friday 11<sup>th</sup> August 2023
- with a single PDF document that includes
  - o a cover letter describing your motivation to pursue a PhD
  - o your curriculum vitae (with exam results, extracurricular activities, internships, publications, conferences, awards, software contributions, etc.)
  - o the names and contact details of two referees

Informal inquiries are encouraged

- Dr Lorna M. Lopez, Associate Professor, Maynooth University ([lorna.lopez@mu.ie](mailto:lorna.lopez@mu.ie))

Previous ad from May 2023



FamilySleeps



## ERC *FamilySleeps* PhD Studentship

Are you seeking an exciting opportunity to conduct cutting-edge research in the field of genomics? Then look no further than our ERC Project that explores how disrupted circadian rhythms may contribute to autism. We are currently seeking a highly motivated PhD student to join our multidisciplinary team of researchers.

As a PhD student with our ERC project, you will have the opportunity to make a real contribution to our understanding of autism and circadian rhythms and gain valuable experience working with a talented and supportive team. You will be working alongside internationally renowned experts in the field, using state-of-the-art genomics (including NGS) techniques and methodologies to investigate this important topic.

We're seeking a candidate with a strong background in genetics, and a passion for uncovering the biological mechanisms behind complex human conditions. If you have an interest in genomic data analysis, a passion for research, and a desire to make a real difference in the lives of families affected by this condition, then this is the perfect role for you. We welcome candidates from a range of backgrounds, including biomedical science, psychology, biology, neuroscience, and related fields.

As a key member of our team, you will have access to excellent training and professional development opportunities, as well as a supportive and collaborative working environment. You will also have the chance to present your research at international conferences and publish papers in leading academic journals.

So, if you have what it takes to tackle one of the most important questions in psychiatric genomics research, apply today for the PhD position with our ERC *FamilySleeps* project. Send your CV and cover letter to [lorna.lopez@mu.ie](mailto:lorna.lopez@mu.ie) before 31<sup>st</sup> May 2023. We look forward to hearing from you!