



<b>College   Management Unit:</b>	UCD College of Science
<b>School   Unit:</b>	UCD School of Biomolecular & Biomedical Science
<b>Post Title &amp; Subject Area (if relevant)</b>	<b>UCD Post-doctoral Research Fellow Level 1</b>
<b>Project:</b>	<b>Long non-coding RNA-mediated cellular dysfunction in epilepsy</b>
<b>Post Duration:</b>	Temporary 24 months post
<b>Line Manager</b>	Dr. Gary Brennan, Principal Investigator
<b>Competition Ref. N°</b>	017225
<b>HR Administrator</b>	Martyna Wojcik
<b>Relocation Expenses</b>	N/A
<b>Garda Vetting:</b>	Will not apply

### Position Summary:

Applications are invited for a temporary, full-time position of Post-Doctoral Researcher in the UCD School of Biomolecular and Biomedical Science, based in the Conway Institute. The successful applicant will work on an up to four-year fully funded research project exploring the role of long non-coding RNAs in genetic epilepsies, specifically CHD2-related neurodevelopmental disorders. The project is also linked with the SFI funded FutureNeuro Research Centre (<https://www.futureneurocentre.ie/>) and involves key collaborations with Prof Rory Johnson, UCD (<https://people.ucd.ie/rory.johnson>). The postdoctoral researcher will perform a high throughput CRISPR interference screen in human iPSCs to identify lncRNAs which regulate neuronal development and associated validation experiments such as perturb-seq.

Examples of previous work can be found here:

<https://scholar.google.com/citations?user=d2vwSvIAAAAJ&hl=en>

This is a research focused role, where you will conduct a specified programme of research supported by research training and development under the supervision and direction of a Principal Investigator.

The primary purpose of the role is to further develop your research skills and competences, including the processes of publication in peer-reviewed academic publications, the development of funding proposals, the mentorship of graduate students along with the opportunity to develop your skills in research led teaching.

### Principal Duties and Responsibilities:

- Conduct a specified programme of research and scholarship under the supervision and direction of your Principal Investigator.
- Engage in appropriate training and professional development opportunities as required by your Principal Investigator, your School or Institute, or the University.
- Engage in the dissemination of the results of the research in which you are engaged as directed by and with the support of and under the supervision of your Principal Investigator.
- Engage in the wider research and scholarly activities of your research group, School and Institute.
- Mentor and assist, as appropriate and as directed, the research graduate students in your group, School and Institute.
- Carry out administrative work associated with your programme of research.

### Fixed Salary: €42,783 per annum

Details on eligibility to compete and pension information is available at <https://www.ucd.ie/hr/resourcing/eligibilitytocompete/>

UCD welcomes applications from everyone. We are committed to creating an environment where diversity is celebrated and everyone is afforded equality of opportunity. Learn more about Diversity at <https://www.ucd.ie/workatucd/diversity/>

### Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

#### Mandatory:

- PhD in neuroscience, genetics or related discipline
- Relevant experience in molecular techniques CRISPR, RNA-sequencing, etc.
- Experience with induced pluripotent stem cell work would be advantageous.
- A demonstrated commitment to research and publications
- An understanding of the operational requirements for a successful research project
- Evidence of research activity (publications, conference presentations, awards) and future scholarly output (working papers, research proposals, and ability to outline a research project.
- Excellent Communication Skills (Oral, Written , Presentation etc).
- Excellent Organisational and Administrative skills including a proven ability to work to deadlines.
- Candidates must demonstrate an awareness of equality, diversity and inclusion agenda.

The PD1 position is intended for early stage researchers, either just after completion of a PhD or for someone entering a new area for the first time. If you have already completed your PD1 stage in UCD or will soon complete a PD1, or you are an external applicant whose total Postdoctoral experience, inclusive of the duration of the advertised post, would exceed 4 years, you should not apply and should refer to PD2 posts instead.

#### Desirable:

- Strong computational skills (bioinformatics, large data analysis) and an interest in data visualisation.
- Experience in setting own research agenda

### Supplementary information:

The University:	<a href="https://www.ucd.ie/">https://www.ucd.ie/</a>
UCD Strategy 2020-2024: Rising to the Future	<a href="https://strategy.ucd.ie/">https://strategy.ucd.ie/</a>
UCD College of Science:	<a href="https://www.ucd.ie/science/">https://www.ucd.ie/science/</a>
UCD School of Biomolecular & Biomedical Science:	<a href="https://www.ucd.ie/sbbs/">https://www.ucd.ie/sbbs/</a>
Equality Diversity and Inclusion at UCD	<a href="https://www.ucd.ie/workatucd/diversity/">https://www.ucd.ie/workatucd/diversity/</a>

UCD offers a comprehensive **Research Careers Framework** in line with the Advisory Science Council Report '*Towards a Framework for Researcher Careers*'. This model provides a structured and supportive **Career and Skills Development** system designed to ensure that Post-docs in UCD are able to plan their careers and prepare for future opportunities in academia, industry or the public sector. For more information, please [click here](#)

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**Informal Enquiries ONLY to:**

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