



Applications are invited from suitably qualified candidates for the following position:

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|---------------------------|---|
| <b>Research Centre</b>    | National Institute for Cellular Biotechnology |
| <b>Post title</b>         | Postdoctoral Researcher<br>in Cancer Biology  |
| <b>Level on Framework</b> | Level 1                                       |
| <b>Post duration</b>      | Full-time, 11-month contract                  |

### **Dublin City University**

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education, and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

### **Research Career Framework**

As part of this role the researcher will be required to participate in the DCU Research Career Framework. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

### **Background & Role**

A postdoctoral position is available in the National Institute for Cellular Biotechnology at Dublin City University to undertake research on the following project: "Rational combinations with DXd-based antibody-drug conjugates (ADCs)" under the supervision of Dr Neil Conlon. This postdoctoral position is funded by a collaborative industry partnership.

The primary goal of this project is to determine optimal drug combinations utilising DXd-based ADCs in pre-clinical models of ovarian, endometrial, and gastric cancers. ADCs have already revolutionised the treatment of many cancer types; however, this may be further enhanced through exploitation of synergies with the mechanism of the ADC payload. To do this, the Postdoctoral Researcher will assess drug combination efficacies in 2D and 3D cell models, determine cell death mechanisms, antibody internalisation, and bystander effects by live-cell kinetic fluorescent imaging, and elucidate the mechanisms of action by reverse phase protein array analysis. By the end of this project, it is hoped that a highly promising, novel drug combination will be identified for clinical evaluation in these cancer types.

### **Principal Duties and Responsibilities**

The Postdoctoral Researcher will be required to fulfil the following responsibilities:

- Carry out all experimental goals as specified in the project.
- Document all experimental data, analyses, and protocols.
- Report/present regularly at group meetings.
- Attend relevant meetings, seminars, and conferences.
- Collaborate and present to industry partners.
- Contribute to manuscript preparations relevant to the project.
- Complete a detailed report upon completion of the project.
- Undertake standard laboratory management tasks.
- Monitor and report on project budget expenditure.
- Support and interact with group members.

### **Minimum Criteria**

Applicants should have a PhD in Cancer Biology, Cell Biology, or a related Life Science field.

In addition, it is desirable that the candidate:

- Is passionate about cancer research.
- Has evidence of strong technical skills in cancer cell culture, biochemical analysis, and fluorescent microscopy.
- Demonstrate experience in data analysis, communication and organisational skills.
- Has experience in supervision and mentoring of undergraduate and postgraduate students.
- Has familiarity with drug development and translational oncology.

- Has experience of participation in successful multi-disciplinary research programmes.

**Candidates will be assessed on the following competencies:**

**Discipline knowledge and Research skills** – Demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline

**Understanding the Research Environment** – Demonstrates an awareness of the research environment (for example funding bodies) and the ability to contribute to grant applications

**Communicating Research** – Demonstrates the ability to communicate their research with their peers and the wider research community (for example presenting at conferences and publishing research in relevant journals) and the potential to teach and tutor students

**Managing & Leadership skills** - Demonstrates the potential to manage a research project including the supervision of undergraduate students

**Essential Training**

The postholder will be required to undertake the following essential compliance training: Orientation, Health & Safety and Data Protection (GDPR), and Biosafety. Other training may need to be undertaken when required.

**Salary Scale:**

IUA Postdoctoral Researcher Salary Scale Point 1-3 €42,033-€44,572

*Appointment will be commensurate with qualifications and experience and in line with IUA guidelines.*

**Closing date:** Monday, 12<sup>th</sup> June 2023

**For more information on DCU and benefits, please visit [Why work at DCU?](#)**

**Informal Enquiries in relation to this role should be directed to:**

Dr 11, National Institute for Cellular Biotechnology, Dublin City University.

Phone + 353 (0)1 7006263

Email: [neil.conlon@dcu.ie](mailto:neil.conlon@dcu.ie)

**Application Procedure:**

CV, including two referees, and cover letter should be submitted by e-mail with your completed application form to [neil.conlon@dcu.ie](mailto:neil.conlon@dcu.ie)

**Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1864 Job Postdoctoral Researcher Cancer Biology**

*Dublin City University is an equal opportunities employer. In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes. The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the DCU Policy Starter Packs*