



Research Centre

National Institute for Cellular Biotechnology

Post title

Research Assistant

Post duration

Translational Oncology

12 months Fixed term contract

Dublin City University

Dublin City University (DCU) is a young, ambitious and vibrant university, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise', DCU is a values-based institution, committed to the delivery of impact for the public good. DCU was named Sunday Times Irish University of the Year 2021.

DCU is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. More than 18,000 students are enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education.

DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on delivering a transformative student experience, and its positive social and economic impact. The university continues to develop innovative programmes in collaboration with industry, such as the DCU Futures suite of degrees, which are designed to equip graduates with the skills and knowledge required in a rapidly evolving economy.

DCU's pursuit of excellence has led to its current ranking among the top 2% of universities globally. It is also one of the world's Top Young Universities (QS Top 100 Under 50, Times Higher Top 150 Under 100). In the Times Higher Education University Impact Rankings 2021, DCU ranked 23rd in the world for its approach to widening participation in higher education and its ongoing commitment to eradicating poverty, while it ranks 38th globally for its work in reducing inequality and 89th globally for gender equality.

The university is ranked 23rd in the world and first in Ireland for its graduate employment rate, according to the 2020 QS Graduate Employability Rankings. Over the past decade, DCU has been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

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

The purpose of the post is to provide technical support and contribute to ongoing research carried out by the Dr Alex Eustace in the National Institute for Cellular Biotechnology in Dublin City University. Specifically the applicant will work on the project **“Identification of novel therapeutic regimens to overcome resistance in hard to treat cancers.”** **Please note that** there may be a need to work irregular working hours and to work in St Vincent’s University Hospital to ensure that project deadlines are met.

Principal Duties and Responsibilities

- Performing biological and functional study of drug treatments in cancer models
- Sampling and exploration of biospecimens for laboratory investigation
- Training students and interns in relevant laboratory specific techniques
- General lab duties as required including co-ordinating inventory checks of liquid nitrogen and -80°C freezers.
- Complying with statutory legislation and Department rules and requirements in furtherance
- of your own and general staff welfare and safety
- Undergoing programmes of training and development as may be required. This can include
- training in techniques such as the Immunohistochemistry.
- Always representing the best interests of the Department/College

Minimum Criteria

Applicants should have at least a BSc in a biological discipline with preference given to those with a background in cancer biology.

The successful candidate should be able to demonstrate:

- Strong Project Management Skills with a track record of project implementation.
- Ability to make decisions and meet deadlines.
- Demonstrates an effective communication style appropriate to audience and situation.
- Computer skills including MS office suite, Calcusyn; GraphPad Prism

Desirable:

- MSc and experience working in an industrial setting.
- Strong aseptic technique with experience in mammalian cell culture and in vitro assays
- Experience in growing mammalian cells in 3D culture e.g. Spheroid culture
- Experience in protein quantification including western blotting
- Processing, and sectioning of biological tissue samples embedded in OCT/FFPE using the
- microtome
- Experience of Immunohistochemistry

- Experience of RNA/DNA isolation and of PCR methods
- Familiar with fluorescence and confocal microscopy
- Database generation and updating
- Experience of statistical analysis

Essential Training

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