



**Post-doctoral in Bioinformatician Computational Biology
School of Biotechnology
14 Month Fixed Term Contract**

Research Centre National Institute for Cellular Biotechnology
Career Framework Level 1

General Information

Dublin City University (www.dcu.ie) is a research-intensive, globally-engaged, dynamic institution that is distinguished by both the quality and impact of its graduates and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students well for success in life, and in the workplace, by providing a high-quality, rounded education appropriate to the challenges and opportunities of the 21st century.

Through its mission to transform lives and societies through education, research and innovation, DCU acts as an agent of social, cultural and economic progress. As Ireland's University of Enterprise, it is characterized by a focus on innovation and entrepreneurship and a track-record of effective engagement with the enterprise sector. Excellence in its education and research activities has led to its consistent.

Background

An SFI funded post-doctoral position in bioinformatics/computational biology is available to join the team of Assistant Professor Naomi Walsh (<https://www.dcu.ie/nicb/people/naomi-walsh.shtml>). The successful candidate will join her team to identify genomic variants involved in cancer development, progression and drug resistance. Experience in analysing GWAS and next generation sequencing (whole exome, RNA-seq and Chip-seq) is required as the candidate will perform bioinformatic research and statistical analysis from published sources, cell line models and organoids developed by the PI's research team.

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.

Principal Duties

Key Responsibilities Include:

- Integrative analysis (processing and visualisation) of multi-omic data sets including whole exome and transcriptomics, ChIP-Seq and GWAS data;
- Provide key statistical analysis support to PIs research group;
- Identify novel targets and discoveries to aid in the detection and treatment of cancer;
- Create graphical representations of data for publications and presentations;
- Communicate research efforts, including compiling reports, participation in the generation of manuscripts and presenting findings at group meetings, national and international conferences;
- Take part in supervision of undergraduate and postgraduate students as required;
- Provide bioinformatics support/assistance for team members and ongoing projects of the research lab.

Minimum Criteria

- The successful candidate must hold a PhD in bioinformatics/biostatistics/computer science with research in a relevant scientific / cancer area

Qualifications and Experience

The successful candidate will have the following:

- Experience with processing, analysis and visualisation of DNA/RNA sequencing data is essential.
- The ability to work independently and as part of a team, and proven communication, organisational, and problem solving skills are essential.
- Candidates should be enthusiastic and willing to work on research projects as part of a multidisciplinary team working closely with laboratory scientists and clinicians.

Mandatory Training

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

The competencies which will be examined for this post are:

Discipline Knowledge & Research skills: Demonstrates the ability to design and/or implement a substantial programme of research including initiating and leading new research programmes (for example by using critical judgement and an understanding of new research methodologies).

Understanding the Research Environment: Demonstrates a thorough understanding of the research environment both nationally and internationally, the ability to secure significant research funding and where relevant the ability to apply for intellectual property rights and/or patents for their research.

Communicating Research: Demonstrates excellence in communicating their research nationally and internationally (for example by publishing in high quality peer reviewed journals of international standing and through invitation to participate in commercial research) and the ability to deliver teaching based on their own research.

Managing & Leadership skills: Successfully leads and manages research programmes including the management and supervision of a small research team and the financial management of research programmes.

Salary: Post-doctoral Researcher Level 1, point 1-5 €37,874 – €42,559

*Appointment will be commensurate with qualifications and experience

Closing date: 17/09/2019

Informal enquiries to:

All enquiries to naomi.walsh@dcu.ie or Ph 017005912.

Please do not send applications to this email address, instead apply as described below.

Application Procedure

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://www.dcu.ie/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel:+353 (0) 1 7005149.

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1270 Post-doctoral in Bioinformatician Computational Biology

Applications and CV should be submitted by email to hr.applications@dcu.ie or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer