



Research Centre

National Institute for Cellular
Biotechnology

Post title

Postdoctoral Researcher,
Bioinformatician

Post duration

Computational Biology
14 months

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.

Role Requirements

The candidate should hold a PhD in Bioinformatics/Computational Biology. Experience with processing, analysis and visualisation of DNA/RNA sequencing data is 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.

Principal Duties:

- 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

Research Career Framework

As part of this role the researcher will be required to participate in the DCU Research Career Framework <http://www.dcu.ie/hr/ResearchersFramework/index.shtml>. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

Mandatory Training

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

Minimum Criteria

The successful candidate must hold a PhD in bioinformatics/biostatistics/computer science with research in a relevant scientific / cancer area. Minimum second class (2.1) honours degree in a relevant subject. The ability to work independently and as part of a team, and proven communication, organisational, and problem solving skills are essential.

Salary: €37,874 – €42,559*

*Appointment will be commensurate with qualifications and experience and will be made on the appropriate point of the salary scale, in line with current Government pay policy.

Closing date: 1st October 2019

Candidates will be assessed on the following competencies:

Discipline Knowledge & 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 (e.g. funding bodies) and takes responsibility for how their research is conducted

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

Informal enquiries to:

All enquiries to Dr Naomi Walsh, Senior Research, National Institute for Cellular Biotechnology (NICB), School of Biotechnology, DCU - naomi.walsh@dcu.ie / 01 7005912

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: #RF1273 Postdoctoral Researcher, Bioinformatician Computational Biology

Applications and CV should be submitted by email to hr.applications@dcu.ie or by Fax: +353 (0)1 7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer