



International Centre for Neurotherapeutics (ICNT)

Postdoctoral position in Molecular and Cellular Biology (Temporary Contract Up to 4 Years)

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.

Background & Role

ICNT is a multi-disciplinary and well-funded research Centre <http://www.dcu.ie/icnt/> Particular emphasis is being placed on developing novel treatments for certain neuronal disorders, based on deciphering the molecular mechanisms of quantal release of transmitters and pain mediators. The Centre is well equipped especially with high-end facilities for in vitro and in vivo imaging (multiphoton fluorescence and confocal scanning microscopy), mass spectrometry, molecular cellular biology, manual plus automated patch clamp recording, and a PRTL I founded pain laboratory.

We are now seeking a highly engaged and productive scientist to join our multi-disciplinary team developing biotherapeutics: **targeted delivery of SNARE-inactivating protease(s) into inflammatory cells or sensory neurons for treating chronic pain.**

Duties & Responsibilities

Postdoctoral Researcher will conduct a specified programme of research under the supervision and direction of the Principal Investigator. This 4-year SFI funded project will involve protein engineering of novel biotherapeutics, monitoring their intracellular trafficking and measuring their efficacy and duration of antinociceptive effect in cell-based models and in rat models of chronic pain. Expertise in one or more of the following areas would be highly desirable:

- Expression and purification of recombinant therapeutic proteins from E. coli
- Preparation of primary sensory neuron cultures, Immuno-cytochemistry, microscopy (confocal and multi-photon) and imaging
- Molecular/Cellular Biology
- Pain and anti-nociceptives

Experience & Qualifications

Applicants should have a PhD in Biological Sciences at least 1 publication, research

experience in the abovementioned 1 or more areas, good communication and a deep commitment to research in biotherapeutics.

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

Informal initial enquiries: Dr. Jiafu Wang and/or Prof. J. Oliver Dolly, ICNT E-mail: jiafu.wang@dcu.ie or Oliver.dolly@dcu.ie
phone: (01) 7007769

Duration: One year in the first instance; subject to satisfactory performance there will be an opportunity to offer a further contract of up to **four** years in duration.

Salary: €36,003 *subject to experience and qualifications*

Closing date: 15th October 2014

Application Procedure:

Application forms are available from the DCU Current Vacancies (Open Competitions) website at <http://www4.dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 700 5149; Fax: +353 (0)1 700 5500 Email: hr.applications@dcu.ie

Applications should be submitted by e-mail to hr.applications@dcu.ie or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer