Faculty
Faculty of Science and Health

Post Title: Post-Doctoral Researcher

Level: Level 1

Post Duration: Fixed Term Contract up to 12 Months

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](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.

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

Background & Role

A major interest of the group is to develop novel treatments for certain neurological disorders, based on deciphering the molecular mechanisms underlying the release of cytokines, neuropeptides and itch mediators. We are now seeking a highly engaged and productive scientist to join our multi-disciplinary team developing bio-therapeutics for treating chronic diseases.

Principle Duties and Responsibilities

Reporting to his/her Principal Investigator the Postdoctoral Researcher will:

- Conduct a specified programme of research under the supervision and direction of the Principal Investigator which will measure the efficacy and duration of the generated biotherapeutics in rat models of chronic pain
- Assist in identifying and developing future research and funding initiatives
- Engage in the dissemination of the results of the research in which he/she is engaged with the support of and under the supervision of the Principal Investigator
- Supervise and assist undergraduate students working in this area with their research
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Liaise with both internal and external stakeholders including industry and academic partners/collaborators
- Carry out administrative work associated with the programme of research as necessary

**Minimum Criteria**

- Applicants should have a PhD in Biological Sciences.
- Priority will be given candidates having experience working with laboratory animals:
  - Post-mortem dissection of skin, nerve and dorsal root ganglia.
  - Cryosectioning, semithin sectioning from epon resin-embedded tissue.
  - Immunohistochemistry.
  - Behavioural tests for the assessment of nociception and itch.
  - Anaesthesia and analgesia, drug administration.
- Molecular and Cell biology
  - Cell culture, immunohistochemistry and ELISA
  - Protein extraction, isolation, purification and Western blot.
  - DNA and RNA isolation, primer design, PCR and real-time PCR.
- Candidates with the LAST-Ireland Certificate are encouraged to apply.

**Salary Scale:** *€39,138 p.a*

**Closing date:** 5\(^{th}\) March, 2018
Candidates will be assessed on the following competencies:

**Discipline specific knowledge and Research Skills** (demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline)

**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)

**Understanding the Research Environment** (demonstrates an awareness of the research environment (e.g. funding bodies) and takes responsibility for how their research is conducted)

**Informal enquiries to:**
Dr. Jiafu Wang,
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**Application Procedure**

Application forms are available from the DCU Current Vacancies (Open Competitions) website at [http://www4.dcu.ie/hr/vacancies/current.shtml](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

Please clearly state the role that you are applying for in your application and email subject line:
**Job Ref 789 Post-Doctoral Researcher**

Applications 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. Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax:+353 1 700 5500 Email: hr.applications@dcu.ie

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