



## International Centre for Neurotherapeutics (ICNT), Dublin City University

### Ph.D. studentship in Biotherapeutics for Chronic Pain

ICNT is a multi-disciplinary and well-funded research Centre. 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 PRTLl founded pain laboratory.

A four-year Ph.D. position is available for a highly imaginative and self-motivated candidate to work on an exciting inter-disciplinary project. This will focus on the development of a new generation of biotherapeutics to block the release of pro-inflammatory cytokines and/or neuropeptides for treating chronic inflammatory and neuropathic pain.

Applications are invited from **able, creative, progressive and efficient graduate researchers** with expertise in one or more of the following areas:

- **Molecular Biology**
- **Molecular Cellular Neurobiology**
- **Expression and purification of recombinant proteins**
- **Immuno-cytochemistry, microscopy (confocal and multi-photon) and imaging**

**Qualifications:** Candidates must possess or be expected to obtain a B.Sc. (preferably first class honours) and/or M.Sc. degree in Biological Sciences and have relevant laboratory experience, good communication and a deep commitment to research in biotherapeutics.\* Note: in-depth training can be provided in specialised techniques to bright, receptive new graduates.

*\*Potential applicants should ensure that they meet the academic and English language entry requirements to undertake a Ph.D. in DCU. Please visit the [DCU Registry website](#) for more information.*

**Duration:** Four years

**Remuneration:** Stipend of €18,000 + DCU tuition fees of €5,500 p.a. for four years

**Initial enquiries:** C.V. and 3 confidential recommendation letters should be e-mailed as soon as possible to: Dr. Jiafu Wang, E-mail: [jiafu.wang@dcu.ie](mailto:jiafu.wang@dcu.ie); Phone: (01)7007769

**Closing date:** 31<sup>st</sup> August 2014

The successful candidate will be required to submit a formal application to DCU via the Postgraduate Applications Centre ([www.pac.ie](http://www.pac.ie)) - please visit the [Graduate Studies Office website](#) for more information.