Post-doctoral Researcher
Immunoassay/Biochip Development
(12 month contract)

Based at Dublin City University (DCU), the Biomedical Diagnostics Institute (www.bdi.ie) was established in 2005 through a Science Foundation Ireland Centre for Science, Engineering & Technology (CSET) award, in addition to significant industry funding. The BDI carries out cutting edge research focused on the development of next-generation biomedical diagnostic devices measuring indicators of disease. Our world-class research team currently includes four industry partners (Analog Devices, Becton Dickinson, Inverness Medical Innovations and Biosurfit), and five clinical and academic partners including the Royal College of Surgeons Ireland (RCSI) in Dublin, the National Centre for Biomedical Engineering Science (NCBES) at NUI Galway, Tyndall National Institute (TNI) in University College Cork, Trinity College Dublin (TCD) and the host institution at Dublin City University (DCU).

Role: This is an exciting opportunity for a highly motivated individual to join a small dynamic research team working on the development of a cutting-edge mHealth technology. The successful candidate will contribute to the development of a novel biochip that forms part of a highly-innovative technology that will enable patients with chronic inflammatory disease to monitor their conditions in the home.

Duties and Responsibilities:
The successful candidate will:

- Develop an immunoassay for monitoring systemic inflammatory response
- Design and fabricate miniaturised microfluidic biochip
- Develop working prototypes for clinical application

Requirements and Qualifications:
This position requires a PhD in a relevant discipline (immunology, biotechnology, microsystems or equivalent) with expertise in the development and validation of immunoassays and device integration. The candidate will work within a multidisciplinary team and must possess the ability to think “outside the box”. The candidate must have strong oral and written communication skills, and have a track record of publications/presentations/patents (subject to opportunity) and/or have industrial experience. The candidate must have leadership capabilities and the ability to work independently.

Experience of nanotechnologies (e.g. nanoparticles, quantum dots) would be particularly desirable for this position. Experience with research commercialisation and industry liaison would also be desirable.

Location:
This position will be based in the new laboratory facilities of the Biomedical Diagnostics Institute on the modern Dublin City University campus.

Salary: €37,750 - €40,003
*Subject to experience & qualification

Closing Date: 19th October 2012
Informal Queries: Dr. Stephen O’Driscoll, Tel: +353 1 7005842, Email: stephen.odriscoll@dcu.ie

Application forms are available at: http://www.dcu.ie/vacancies/index.shtml and from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 7005149; Fax: +353 (0)1 700 5500; Email: hr.applications@dcu.ie

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