



BIOMEDICAL DIAGNOSTICS INSTITUTE

www.bdi.ie

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 Biomedical Diagnostics Institute (BDI) carries out cutting-edge research focuses on the development of novel biomedical diagnostic devices measuring indicators of disease. Our world-class research team currently includes seven industry partners (Becton Dickinson, Alere, Biosurfit, Millipore and Analog Devices) and four clinical and academic institutions: the Royal College of Surgeons Ireland (RCSI) in Dublin, the National Centre for Biomedical Engineering Science (NCBES) at NUI Galway, the Tyndall National Institute (TNI) in Cork and the host institution at Dublin City University (DCU).

Two postdoctoral positions: Microfluidic Lab-on-a-Chip Systems for Cell Counting

The Microfluidic Platforms group led by Professor Jens Ducreé is currently seeking ambitious, highly motivated researchers to leverage next-generation lab-on-a-chip technologies for cell counting in patient samples. The research is to lead to a proof-of-concept for a highly promising global diagnostics platform for infectious diseases. The work is embedded into an outstanding microfluidics and polymer microfabrication. A proven background in at least one of these fields would be desirable: lab-on-a-chip systems, cell handling and detection, centrifugal microfluidics, (polymer) microfabrication and microhydrodynamics.

Requirements: Candidates should demonstrate a proven capacity to be productive researchers. A self-starting attitude, good presentation skills, and the ability to interact with a highly interdisciplinary team and our tightly linked industrial partners are essential.

Location: This position will be based in the brand new laboratory facilities of the BDI comprising custom-designed laboratories, a new cleanroom, comprehensive polymer microfabrication facilities and a range of specialist support units situated in the Biomedical Diagnostics Institute on the pleasant campus of the modern, dynamically evolving Dublin City University. Dublin is embedded in the beautiful landscapes of the green "Emerald" island on the breath taking shores of the Irish sea.

Enquiries: Jens Ducreé (jens.ducree@dcu.ie)

Applications: should be sent in the form of a CV including two referees & cover letter, by email to Ms Celine Heffernan (celine.heffernan@dcu.ie).

