



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).

Research Assistant: Polymer Microfabrication and Microfluidic Lab-on-a-Chip Technologies

The Microfluidic Platforms group led by Professor Jens Ducreé is developing next-generation lab-on-a-chip systems for the analysis of biological samples in clinical diagnostics. The research is to lead to a proof-of-concept for a highly promising global diagnostics platform for infectious diseases.

The work as a research assistant is embedded into an outstanding polymer microfabrication and experimental microfluidics facility. A strong background or a pro-active approach to quickly acquire critical know-how in at least one of these fields would be desirable: precision engineering, micromilling, (polymer) microfabrication, laser ablation, injection moulding and hot embossing as well as common microfluidic “lab-on-a-chip” technologies.

Requirements: Candidates should demonstrate a proven capacity to support researchers. A self-starting attitude and the ability to interact with a highly interdisciplinary team 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.

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).

Contract: 15-months fixed term contract at a salary of €21,850 (Research Assistant, Level 1)

