

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 focused on the development of next-generation biomedical diagnostic devices measuring indicators of disease. Our world-class research team currently includes eight industry partners (Analog Devices, Ámic, Enfer Technologies, Hospira, Becton Dickinson, Inverness Medical Innovations, Biosurfit, Millipore) 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).

POSTDOCTORAL POSITIONS:

Microfluidic design and Polymer Microfabrication of Lab-on-a-Chip Systems

The Microfluidic Platforms group led by Professor Jens Ducreé is currently seeking ambitious, highly motivated researchers to develop innovative lab-on-a-chip platforms aimed at commercial applications in biomedical diagnostics and other areas of the life sciences. Prof. Ducreé's group develops novel micro and nanofluidic technologies to leverage next-generation lab-on-a-chip platforms for life science research and point-of-care diagnostics. The emphasis is on novel schemes for high-performance liquid handling, (polymer) micro- and nanofabrication as well as system integration and automation. The work is embedded into a highly interdisciplinary academic-clinical-commercial partnership. A background in at least one of the following fields is desirable: microfluidic lab-on-a-chip systems, related microfabrication techniques (including lithography, surface micromachining, polymer microfabrication, precision milling, hot embossing, injection moulding, surface functionalization, bonding) as well as chip-based sample preparation and assays.

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.

Salary: €37,750 - €46,255 p.a.

Duration: 12 months in the first instance

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