



Biomedical Diagnostics Institute

Technical Officer / Senior Technical Officer

Microfabrication (Temporary Contract to 31 March 2013)

Based in Dublin City University (DCU), the Biomedical Diagnostics Institute was established in 2005 through a Science Foundation Ireland Centre for Science, Engineering & Technology award, and 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.

Responsibilities & duties include:

Reporting to the BDI Director, the Microfabrication Technical Officer will contribute to and support all projects focussed on the development of novel microfluidic devices used across all projects within the BDI.

Duties and responsibilities attaching to the post include but are not restricted to the following:

- Act as a dedicated resource for routine microfabrication in the general BDI community
- Work with BDI/NCSR PIs and groups to maximise the utilisation of available equipment resources
- Responsible for the installation and maintenance of microfabrication equipment
- Manage the upkeep of the maintenance schedule for all BDI equipment including tracking and implementing repairs, calibrations and costings
- Develop jig & fixture solutions for existing equipment
- Contribute to the Invention Disclosures, Patents or Publications where technical input has contributed to the design of novel microfluidic devices
- Assist in preparations for industrial, collaborator and site visits
- Undertake any other duties as assigned by the BDI Director or nominee

Experience & Qualifications:

Applicants must have a minimum of an honours degree in a Science related discipline. Experience is essential in 2D & 3D CAD modelling using *AutoCAD* and *ProE Wildfire*. Candidates must also be competent in the use of microfabrication equipment and in microfabrication processes such as high

precision milling, laser ablation, lathe, injection moulding, hot embossing, photo lithography. As the individual will work within a multidisciplinary research team, excellent communication skills are essential.

Salary Scale: **€34,518 - €57,760 (LSI)**

This salary scale may be affected by the provisions of the 2011 Budget. Appointment will be commensurate with experience and may be subject to the first point of the salary scale.

Closing Date: **18th November 2011**

Application forms are available from:

Human Resources Department, Dublin City University, Dublin 9.

Tel: +353 (0)1 700 5149 Fax: +353 (0)1 700 5500

E-mail: hr.applications@dcu.ie

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