



Applications are invited from suitably qualified candidates for the following position;

**Technical Officer – (ultraprecision) micromilling (UPM), prototyping and characterization of microfluidic “Lab-on-a-Chip” systems**

**Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University**

**Fixed term Contract to 31st December 2021**

**Introduction**

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your career.

An exciting technical position in a very innovative, applied research initiative Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University. In collaboration with the Fraunhofer Institute for Production Technology (IPT) in Germany, “FPC@DCU” engineers next-generation life-science technologies for the benefit of people and societies. FPC@DCU operates at the challenging crossroads of microsystems engineering and the life sciences. Common fields of application are in-vitro (“Point-of-Care”) diagnostics, pharma, life-science research, agrifood and environmental monitoring.

**Background & Role**

The successful candidate will demonstrate the ability to apply experience in (ultra-)precision machining, microfabrication, assembly and characterization / validation technologies to assist the efficient development of predominantly polymeric microfluidic devices towards high technology readiness levels. You will also be familiar with the underlying design and CAM software, such as

SolidWorks, AutoCAD, and HSM Works, and show a keen interest to contribute to FPC@DCU's commercial "*fit-for-industry*" focus.

### **Principal Duties and Responsibilities**

Please refer to the job description for a full list of duties and responsibilities associated with this role

### **Minimum Criteria**

The successful candidate must hold an honours degree (NFQ Level 8) in a relevant discipline

### **Desirable Criteria**

The successful candidate and should ideally have at least 1 year of relevant experience.

Additionally, it is desirable that candidates have a proven track record of working in a team as well as handling select aspects of research independently. Beyond CNC micromilling, familiarity with common polymer replication and assembly techniques such injection moulding, hot embossing and common bonding schemes would be a distinct advantage.

Experience of working in a scientific / engineering laboratory environment would also be desirable. A self-starting attitude, good interpersonal skills and high technical expertise are a prerequisite.

**Salary Scale:** Technical / Senior Technical Officer €33,283 – €60,990

*Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the relevant salary scale in line with current Government pay policy*

**Please note:** For appointment at Senior Technical Officer grade, there is a minimum requirement of a Master's degree or equivalent.

**Closing Date:** Friday 30<sup>th</sup> of October 2020

**Informal enquiries should be directed to:**

Dr. John Gleeson, Business Development Manager, Dublin City University

**E-mail:** john.p.gleeson@dcu.ie

**Tel:** 01 700 7663

*Please do not send applications to this email address, instead apply as described below.*

**Application Procedure**

Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>.

Applications must be submitted by e-mail to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

**Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1422 Technical Officer**

**Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment are available at [www4.dcu.ie/policies/policy-starter-packs.shtml](http://www4.dcu.ie/policies/policy-starter-packs.shtml).**