

Research Centre:

Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University – a joint initiative of Science Foundation Ireland and  Fraunhofer

**Post title:**

Research Assistant Supporting Development of Microfluidics-Based Systems for Biomolecular Assays and Cell Research

Post duration:

Fixed Term up until 31 December 2019

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

The research assistant will be located in FPC@DCU - the Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University, a collaboration with the Fraunhofer Institute for Production Technology (FhG-IPT) in Germany. FPC@DCU's translational research targets customised, microfluidics-based solutions with typical applications in biomedical diagnostics, life-science research, (bio-)pharma and agrifood as well as monitoring of industrial process, infrastructures and the environment. Projects are often carried out in close collaboration with leading Irish and international companies and research organisations. FPC@DCU – Ireland's first initiative by the Fraunhofer-Gesellschaft for applied research - offer an exciting job opportunity where you have access to competent technical, infrastructural and administrative support and the opportunity to evolve a multi-faceted skill set.

Profile

The successful candidate can convincingly demonstrate the willingness and capability to transfer bioanalytical methods to microfluidics-based technologies, e.g. for enabling handling and decentralised sample-to-answer testing of biological samples to the benefit of people and societies. You already have experimental work experience in topics relevant to bioanalytical methods and show a keen interest to contribute to its "fit-for-industry" focus.

You must hold an honours degree (NFQ Level 8) in a relevant discipline and should have at least have 1 year of relevant job experience. Under overall guidance of a researcher, you should have a proven track record of working in a team as well as well-defined experience handling select aspects independently. Familiarity with the operations of a scientific laboratory environment would be desirable. A self-starting attitude, good interpersonal skills and high technical expertise are a prerequisite.

Duties and Responsibilities:

Reporting to the centre director or a manager appointed by him on the duties and responsibilities attached to the post including, but are not restricted to, the following:

- Identification, experimental characterisation, optimisation and benchmarking of cell-based and molecular biology assays implemented on microfluidic systems
- Operation and maintenance of bioanalytical characterisation equipment and infrastructure
- Conduct, with a very high degree of technical competence, a specified programme of research and scholarship under the supervision of the PI or a manager assigned to him / her
- Support the dissemination of research outcomes in which he/she is engaged including funder reporting, industrial demos and publishing in high quality peer reviewed journals of international standing.
- Support the PI and research group in the development and implementation of the broader research programme.
- Support as required, the development of proposals for research funding.
- Contribute to support of graduate research students associated with your research group.
- Take responsibility as requested for report generation, and administration associated as well as site visit preparation and other administrative work associated with the programme of research and the research group

Salary range*: €22,109 – €34,612

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

Closing date: Tuesday, 4th June 2019

Informal enquiries to: Prof. Jens Ducreé, Director of FPC@DCU - jens.ducree@dcu.ie or Dr. Barry Byrne, Integration Manager - barry.byrne@dcu.ie

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

Application forms are available from the DCU Current Vacancies (open Competitions) website at <https://www.dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 700 5149.

Applications should be submitted electronically by email, fax or post to the Human Resources Department, Dublin City University, Dublin 9. Human Resources Department, Dublin City University, Tel: +353 1 700 5149; Fax: +353 1 700 5500, Email: hr.applications@dcu.ie

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1220 "Research Assistant Supporting Development of Microfluidics-Based Systems for Biomolecular Assays and Cell Research".

Dublin City University is an equal opportunities employer