Research Centre

School of Mechanical and Manufacturing Engineering with Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University (FPC@DCU) – a joint initiative of Science Foundation Ireland and Fraunhofer-Gesellschaft.

Post title

Research Assistant in research project MxNChip

Post duration

Fixed term contract up to 11 months.

Background

Dublin City University (www.dcu.ie) is a research intensive, globally engaged, dynamic institution which has developed its own research specialists, established internationally recognized centres of excellence that have substantive collaborative links with leading universities and industrial partners. DCU is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation DCU acts as an agent of social, cultural and economic progress. DCU is Ireland’s fastest growing university and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick’s Campus and CU All hallows campus. 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 academic career.

Fraunhofer Project Centre for Embedded Bioanalytical Systems at Dublin City University – Ireland’s University of Enterprise (FPC@DCU) is a technology-led centre that develops next-generation life-science technologies for the benefit of people and society.

The Project

DCU has acquired funding for an exciting research project (MxNChip) to develop a proof-of-concept laboratory instrument. On successful completion of the project it is intended to secure follow-on funding with the eventual aim of establishing a university spin-out company. The project will therefore appeal to a researcher with a strong interest in commercial technology development.

Candidate Role

The research assistant will join a team focussed on developing a novel PCR thermocycler and associate microfluidic chip which can greatly improve workflows in molecular biology laboratories. This position involved multi-disciplinary work across biology / biomedical engineering and will therefore suit a
biologist with a passion or interest in engineering or conversely an engineer with a strong interest in biology.

**Principal Duties and Responsibilities**
Please refer to Job Description for a full list of duties and responsibilities associated with this role.

**Qualifications, Skills and Experience Required:**
Applicants must hold a primary degree (NFQ Level 8 and above) in a MSc or Bachelor’s Degree in Biology or Biotechnology or cognate discipline. A qualification in Mechanical / Biomedical / Mechatronic Engineering or related Engineer/Science degree is also acceptable. Additionally, candidates will ideally have;
- 3+ years post-degree experience
- Experience in molecular biology protocols and particularly PCR
- A passion for on-the-job learning and a willingness to contribute to multi-disciplinary aspects of the project such as microfabrication of MxNChip cartridges and contributing to instrument assembly and testing.
- Proven aptitude for hands-on work and comfortable in the laboratory environment.
- Good communication and reporting skills.

**Mandatory Training**
The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

**Salary:** €22,609 – 35,218 (IUA scale)
*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:** 21st March 2020

**Application Procedure:**
Informal inquiries: david.kinahan@dcu.ie Tel: + 353 1 700 6592

Application forms are available from the DCU Current Vacancies (open Competitions) website at http://www.dcu.ie/vacancies/current.shtml and also from the Human Resources Department, Dublin City University, Dublin 9. Tel:+353 (01) 7005149.

Applications should be submitted by e-mail with your completed application form to hr.applications@dcu.ie or by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, Dublin 9, D09W6Y4.

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1317A Research Assistant - MxNChip
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.