



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

**Post-doctoral researcher (Optical sensor development)**

**DCU Water Institute**

**Fixed Term Contract – 19 months**

This position is open to candidates who meet the following criteria:

- PhD in a relevant field such as physics, engineering, photonics, optoelectronics, optical sensors or a related discipline.

**Desirable Criteria**

- Broad experience in optical spectroscopy
- Experience in programming and communication with laboratory instruments (C++, MatLab, LabView or similar) and specific optical design software.
- Good analytical skills and computer skills.
- Evidence of excellent organizational and communication skills.
- Evidence of excellent time management skills.
- Experience with sensor systems for water monitoring is an asset.
- High levels of initiative, self-management, achievement-orientation, and motivation are encouraged.

**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:** €37,757

**Closing Date:** 6th September 2019

Candidates will be assessed on the following competencies:

- **Discipline specific knowledge and Research skills** – Demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline
- **Understanding the Research Environment** – Demonstrates an awareness of the research environment (for example funding bodies) and the ability to contribute to grant applications

- **Communicating Research** – Demonstrates the ability to communicate their research with their peers and the wider research community (for example presenting at conferences and publishing research in relevant journals) and the potential to teach and tutor students
- **Managing and Leadership skills** - Demonstrates the potential to manage a research projects including the supervision of undergraduate students

**Informal Enquiries in relation to this role should be directed to:**

Professor Fiona Regan, Director, Water Institute, DCU - E-mail: [Fiona.regan@dcu.ie](mailto:Fiona.regan@dcu.ie)  
*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 (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 (0) 1 7005149.

Applications should be submitted by e-mail to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie) or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, Dublin 9, D09W6Y4.

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