



## **PhD Studentship - Water Toxicology and Solar Disinfection**

Applications are invited for a full-time PhD research position in the School of Biotechnology, Dublin City University (DCU) Ireland. The project will form part of a large international project WATERSPOUTT. The position will commence in October 2016.

### **Background**

WATERSPOUTT (**Water - Sustainable Point-Of-Use Treatment Technologies**) is an EU Horizon 2020 funded project involving 18 partners in 12 countries (Ireland, Malawi, Ethiopia, Uganda, South Africa, UK, Spain, Netherlands, Austria, Italy, Switzerland, Turkey). The main aim of the project is to design, develop and then pilot solar based technologies for treating drinking water at the point of use. These will be piloted and assessed for their impact on waterborne disease in Malawi, Ethiopia, Uganda and South Africa. The focus of the research at DCU will be the investigation of the treated water for toxicity. Specifically solar disinfected water will be evaluated for mutagenicity and for the presence of endocrine-disrupting chemicals with oestrogenic or antioestrogenic activity migrating from water-contact materials.

### **Requirements**

Applicants should have an excellent primary degree (First or Upper Second Class Honours) or M.Sc. in an appropriate discipline (e.g. Biotechnology, Molecular Biology, Biochemistry, Microbiology). The successful candidate should have expertise in animal and microbial cell culture, cell proliferation and cytotoxicity assays, microbiological methods, biochemical analysis techniques, a demonstrable ability in maths and statistics and be highly self-motivated. They must meet DCU requirements for entry to a doctoral programme. It is also a requirement that an applicant whose first language is other than English has a certified English language proficiency of at least IELTS 6.5 or equivalent.

### **Award**

Funding provides a stipend of €1,600 per month plus fees for 44 months. The student will be based in the School of Biotechnology at Dublin City University. The successful candidate will be registered as a full time research student in DCU, under the supervision of Dr Brid Quilty and Dr Rosaleen Devery. The PhD degree will be awarded by Dublin City University.

### **For informal enquires in relation to the position please contact:**

Dr Rosaleen Devery ([Rosaleen.Devery@dcu.ie](mailto:Rosaleen.Devery@dcu.ie)) and/or Dr Brid Quilty ([Brid.Quilty@dcu.ie](mailto:Brid.Quilty@dcu.ie)).

### **Application Procedure**

Submit an electronic copy of Curriculum Vitae and a letter of interest simultaneously to [Rosaleen.devery@dcu.ie](mailto:Rosaleen.devery@dcu.ie) by August 31<sup>st</sup> 2016 at 5pm.