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

**Postdoctoral Researcher in Electrochemistry**

**Level 1 on Research Career Framework**

**School of Chemical Sciences**

**Post Duration: 1 Year**

**School of Chemical Sciences, Dublin City University**

The School of Chemical Sciences has played a significant role in the rapid development of DCU to the point where we can now compete with some of the best European Universities. At the postgraduate research level, the School possesses an outstanding track record and is currently home to more than 95 postgraduates students, engaged in taught and research based MSc and PhD programmes, in diverse fields. These range from the development of chemical and biological sensors, and intelligent materials, to drug design and discovery, and advances in science education. The School houses a suite of state-of-the-art research equipment including high resolution electron microscopy and a range of both mass and magnetic resonance spectrometers.

**Background & Role**

In association with an industrial partner, we are developing an electrolyser system for the on-site production of Hydrogen Peroxide from renewable electricity. This approach involves the immobilisation of custom catalysts for the continuous production of hydrogen peroxide within a Proton Exchange Membrane (PEM) electrolyser.

We are interested in candidates with a background in electrochemistry, who can apply their scientific and laboratory skills to the development of a working prototype electrolyser.

**Research Career Framework**

As part of this role the researcher will be required to participate in the DCU Research Career Framework [http://dcu.ie/hr/ResearchersFramework/index.shtml](http://dcu.ie/hr/ResearchersFramework/index.shtml). This framework is designed to provide significant professional development opportunities to researchers and offer the best opportunities in terms of a wider career path. 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 you can advance your academic career.

**Duties and Responsibilities**

Please refer to job description for list of duties and responsibilities.

**Minimum Criteria**

Applicants should have a PhD in electrochemistry, electrochemical engineering or a closely related branch of physical/chemical science. They should have experience in experimental electrochemistry and possess a demonstrable knowledge of electrocatalysis.

Applicants should also possess the ability to work collaboratively within an R&D team that includes both academic researchers and industrial partners.
**Desirable Criteria**
Experience in electrode processing, coating and testing for electrolyzers or fuel cells would be particularly welcome, however this is not essential as full training can be provided.

**Salary:** €37,874 per annum.  
*Appointment will be commensurate with qualifications and experience and will be made on the appropriate point of the salary scale, in line with Government pay policy.*

**Closing Date:** Monday 2nd March 2020.

**Candidates will be assessed on the following competencies:**

- **Discipline 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 impart 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;
- **Management & Leadership skills** - Demonstrates the potential to lead and manage a research project including the supervision of undergraduate students.

**Informal enquiries to:** Dr Mary T. Pryce, School of Chemical Sciences, DCU, Dublin 9; E-mail: mary.pryce@dcu.ie; Phone: +353 (0)1 700 8005.  *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](https://www.dcu.ie/hr/vacancies/current.shtml) and also from the HR Department at: +353 (0) 1 700 5149. A CV and cover letter must be included with the application form. Applications must be submitted by e-mail to hr.applications@dcu.ie or, by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, DO9 W6Y4.

Please clearly state the role that you are applying for in your application form and email subject line, #RF1334 Postdoctoral Researcher in Electrochemistry, School of Chemical Sciences.

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 is available at [https://www.dcu.ie/policies/policy-starter-packs.shtml](https://www.dcu.ie/policies/policy-starter-packs.shtml)