



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

**Research Assistant (Electrochemical Treatment of Wastewater)**

**National Centre for Sensor Research**

**Part Time – Fixed Term Contract 6 Months**

**Dublin City University:**

Dublin City University [www.dcu.ie](http://www.dcu.ie) is a research-intensive, globally engaged, dynamic institution that is distinguished by both the quality and impact of its graduates and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students for success in life and in the workplace, by providing a high-quality, rounded education appropriate to the challenges and opportunities of the 21st century. As Ireland's University of Enterprise and Transformation, DCU is characterised by a focus on creativity, innovation and entrepreneurship and a track-record of effective engagement with various external stakeholders, including the public sector, the voluntary sector, and enterprise sector. The university fosters creativity, innovation and enterprise, and collaboration with commercial, technological, social, arts and cultural enterprises. DCU's Graduate Attributes scheme specifically encourages students to be creative and enterprising, solutions-oriented, and globally engaged. Excellence in its education and research activities has led to DCU's consistent position in the rankings of the world's top young universities and its recent recognition by The Sunday Times as Ireland's University of the Year 2021. DCU now hosts over 18,000 students across five faculties.

**National Centre for Sensor Research:**

The National Centre for Sensor Research (NCSR) is large, multidisciplinary research unit based in state-of-the-art facilities situated on the campus of Dublin City University. We are now seeking applications for the following research position in DCU.

**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>). 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

**Background & Role:**

The NCSR is developing a new, wireless electrochemical approach to the decomposition and destruction of challenging pollutants in water ranging from pharmaceutical and metabolites to food waste. We are seeking a researcher with a BSc in Chemistry or a closely related subject and with an interest in electrochemistry and electrochemical methods of wastewater treatment. The RA will join a multidisciplinary research team working to create, optimise and test a 3D printed reactor.

**Duties and Responsibilities:**

Please refer to the job description for a list of duties and responsibilities associated with this role.

**Applicant Requirements:****Essential Criteria**

- The successful candidate must have an honours primary degree in chemistry or a very closely related area.
- Laboratory experience in electrochemical methods or related closely related area.
- A demonstrated strong work ethic, as well as an independent and creative mind set and a deep commitment to problem-solving.
- Excellent interpersonal skills as well as verbal and written communication skills.
- Very good organisational skills with an ability to prioritise workloads and to work successfully on their own initiative.

**Desirable Criteria**

The successful candidate will ideally possess the following:

- Postgraduate qualification or experience or working on a research programme.
- The candidate should ideally be familiar with electrochemistry, wastewater treatment and reactor optimisation.
- The ability to work as part of a collaborative team and to innovate in an organisational environment with multiple stakeholders.
- An interest in commercialisation, innovation, and real-world deployment of reactors.

**Essential Training**

Post holders will be required to undertake the following essential training: Orientation, GDPR, Research Integrity and Compliance. Other training may need to be undertaken when required.

**Salary Scale:**

Research Assistant Scale €26,609 - €35,922 per annum

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

**Closing date:** October 15<sup>th</sup> 2021

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

Prof Robert Forster, School of Chemical Sciences, Dublin City University

Email: [robert.forster@dcu.ie](mailto:robert.forster@dcu.ie)

**Phone:** 017005943

**Application Procedure:**

A cover letter and CV should be submitted by e-mail with your completed application form to [robert.forster@dcu.ie](mailto:robert.forster@dcu.ie)

Application forms are available from the DCU Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>

**Please clearly state the role that you are applying for in your application and email subject line:  
Job Ref #RF1567 Research Assistant.**

*Dublin City University is an equal opportunities employer. In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes. The University’s Athena SWAN Bronze Award signifies the University’s commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available [in the DCU Policy Starter Packs](#)*