



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 (DCU) is a young, ambitious and vibrant university, with a mission ‘to transform lives and societies through education, research, innovation and engagement’. Known as Ireland’s ‘University of Enterprise’, DCU is a values-based institution, committed to the delivery of impact for the public good. DCU was named Sunday Times Irish University of the Year 2021.

DCU is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. More than 18,000 students are enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education.

DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on delivering a transformative student experience, and its positive social and economic impact. The university continues to develop innovative programmes in collaboration with industry, such as the DCU Futures suite of degrees, which are designed to equip graduates with the skills and knowledge required in a rapidly evolving economy.

DCU’s pursuit of excellence has led to its current ranking among the top 2% of universities globally. It is also one of the world’s Top Young Universities (QS Top 100 Under 50, Times Higher Top 150 Under 100). In the Times Higher Education University Impact Rankings 2021, DCU ranked 23rd in the world for its approach to widening participation in higher education and its ongoing commitment to eradicating poverty, while it ranks 38th globally for its work in reducing inequality and 89th globally for gender equality.

The university is ranked 23rd in the world and first in Ireland for its graduate employment rate, according to the 2020 QS Graduate Employability Rankings. Over the past decade, DCU has been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

**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.

## **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 Research Assistant with a BSc in Chemistry or a closely related subject and with an interest in electrochemistry and electrochemical methods of wastewater treatment. The Research Assistant will join a multidisciplinary research team working to create, optimise and test a 3D printed reactor.

## **Duties and Responsibilities**

See job description for list of main duties and responsibilities.

## **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 individual 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**

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

**Salary.** Research Assistant Scale €27,380 - €36,786 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: Friday 15th April 2022.**

**Informal Enquiries in relation to this role should be directed to:** Prof Robert Forster, Research Assistant (Electrochemical Treatment of Wastewater), Dublin City University. Email: [robert.forster@dcu.ie](mailto:robert.forster@dcu.ie)

**Application Procedure:**

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

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

**Please clearly state the role that you are applying for in your application and email subject line:  
Job Ref #RF1637 Research Assistant (Electrochemical Treatment of Wastewater)**

**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**