



**Assistant Professor in Materials/Physical Chemistry**  
**School of Chemical Sciences**  
**Faculty of Science & Health**  
**Permanent Contract**

Dublin City University [www.dcu.ie](http://www.dcu.ie) is a research-intensive, globally-engaged, dynamic institution that is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation, DCU acts as an agent of social, cultural and economic progress. DCU is Ireland's fastest growing university, and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick's Campus and DCU All Hallows campus.

### **School of Chemical Sciences**

The School of Chemical Sciences is one of Ireland's most progressive and highest achieving Schools with outstanding facilities, housed within a modern and dynamic city campus. Our goal is to develop graduates with the ability to critically evaluate, and then to solve, chemical and pharmaceutical problems, preparing the highest quality graduates capable of meeting the challenges of the modern industry and research. The School is highly successful at attracting large scale research funding, with our researchers having significant roles within nationally significant university/industry collaborative initiatives and European funded Integrated Training Networks.

The School is one of the leading academic schools within DCU and is ranked in the top 350 chemistry schools/departments in the world (QS Rankings), a reflection of the School's ambitious research activities and its undergraduate/postgraduate degree programmes. The School now plans to build upon this success and make an appointment at Assistant Professor level in Materials/Physical Chemistry which will enhance and consolidate research in at least one of its three key research themes: Climate Action – Energy, Water & Sustainability; Advanced Materials & Devices; Therapeutics & Diagnostics.

### **Duties and Responsibilities**

Duties and responsibilities attaching to the role include, but are not limited to:

#### **-Teaching and Learning**

The appointee will teach physical and materials chemistry across lectures and practical modules to both undergraduate and postgraduate degree programmes in the School, specifically into the delivery of the School's undergraduate programmes. The programmes include the BSc in Analytical Science, BSc in Chemical and Pharmaceutical Science and BSc in Chemical with Artificial Intelligence in addition to its substantial contribution to the BSc in Environmental Science & Technology and BSc in Science Education. The appointee will contribute to the design and development of future taught Masters programmes as appropriate. A key part of this role will be to prepare, deliver and assess a range of existing modules and programmes at both undergraduate and postgraduate level and to contribute to the design and development of new modules and programmes. In addition, the appointee will supervise final year Bachelors and/or Masters level research projects and undergraduate placements. The School is dedicated to a flexible mode of module delivery across

all of its programmes and the appointee will be expected to develop on-line components to their assigned modules.

### **-Research & Scholarship**

The appointee will be expected to establish an independently-funded and cutting edge research programme within the School of Chemical Sciences. This programme should align with the Research and Innovation constituent strategy of the DCU Strategic Plan particularly supporting our key research themes: Climate Action – Energy, Water & Sustainability; Advanced Materials & Devices; Therapeutics & Diagnostics. The research should also be aligned with national and local priorities, and relevant national and EU priority areas. The appointee will be expected to publish original results and findings in high-impact international journals, seek funding through national and international agencies and/or industry to assist research initiatives, supervise postgraduate research students, and contribute to existing School/Centre and DCU-wide research initiatives and expand their collaborative network within DCU, nationally and internationally.

### **-Service and Contribution to University & Society**

The appointee will undertake administrative functions related to the activities of the School of Chemical Sciences and Faculty of Science and Health. Such duties will be assigned by the Head of School and may include: programme coordination; participation in University committees; representation of the School in marketing to and recruitment of students; participation in open days; organisation of conferences and seminars, etc.

### **Applicant Requirements**

- A Ph.D. with a track record of research in materials and physical chemistry that includes corresponding and senior/first author publications, national or international grant award(s) as an independent Principal Investigator or Fellow
- An education background that can deliver chemistry related modules to our core undergraduate/postgraduate programmes
- A track record of high quality university-level teaching
- Experience of research student supervision

### **Mandatory Training**

The post holder will be required to undertake the following mandatory compliance training: GDPR, Orientation, and Compliance.