



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

**Postdoctoral Researcher in Materials Chemistry**  
**Level 1 DCU Career Framework**  
**School of Chemical Sciences**  
**Fixed Term Contract up to 2 years**

As part of this role the researcher will be required to participate in the DCU Research Career Framework. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path

**Dublin City University** [www.dcu.ie](http://www.dcu.ie) is a research intensive, globally engaged, dynamic institution which has developed its own research specialists, established internationally recognised centres of excellence that have substantive collaborative links with leading universities and industrial partners. DCU 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. 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 to advance your academic career.

**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 300 chemistry schools/departments in the world (QS Rankings), a reflection of the School's ambitious research activities and its undergraduate/postgraduate degree programmes.

**Project Profile - Material Chemistry**

The project involves the synthesis and photochemistry of materials (including polymers) for antimicrobial applications, and will involve collaborating with microbiology colleagues.

We are now seeking an experienced and talented postdoctoral scientist with a background in materials chemistry and in photochemistry to join our team.

### **Duties & Responsibilities**

See Job Description for full list of duties and responsibilities.

### **Candidate Requirements**

#### **Essential:**

- a PhD, preferably in synthetic chemistry
- capable of working independently with a high degree of technical competence
- a team player, he/she must demonstrate initiative, be hard working, versatile and productive.
- excellent written and oral proficiency in English
- excellent communication skills both written (for presentations) and verbal (for conference talks)
- ability to prioritise workload and work to exacting deadlines
- ability to work in a multi-disciplinary team and to take responsibility to contribute to the success of the team

#### **Desirable:**

- at least 1-2 years' postdoctoral experience in inorganic/organic synthesis, as well as experience in spectroscopic measurements
- experience in photochemistry

### **Mandatory Training**

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

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

**Discipline knowledge and Research skills** – Demonstrates knowledge of their 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 stake-holders) and the ability to contribute to grant applications and funding initiatives

**Communicating Research** – Demonstrates the ability to communicate 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

**Managing & Leadership skills** - Demonstrates the potential to manage a research project including the supervision of undergraduate students

**Salary Scales:** \*IUA Post Doctoral Researcher Salary Scale: €38,632 - €50,029

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

**Closing Date:** Thursday 10<sup>th</sup> December 2020

**Informal enquiries to:** Dr Mary Pryce, School of Chemical Sciences, Dublin City University; Email: [mary.pryce@dcu.ie](mailto:mary.pryce@dcu.ie); Tel: 00 353 1 700 8005. *Do not send applications to this address. Instead, apply using the procedure set out below.*

**Application Procedure:** Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>. Applications must be submitted by e-mail to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

Please clearly state the role that you are applying for in your application form and email subject line: **Job Ref: #RF1442 Post Doctoral Researcher in Materials Chemistry, 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>