Position title: Marie-Curie Early Stage Researcher (ESR)

Closing Date: 31 March 2015

Post duration: 36 months fixed term contract

Location: School of Chemical Sciences & National Institute for Cellular Biotechnology, Dublin City University, Glasnevin, Dublin 9, Ireland.

Background: This is an opportunity for you to join an EU-funded project on Click Chemistry for Future Gene Therapies to Benefit Citizens, Researchers and Industry (ClickGene) funded under Horizon 2020. See www.clickgene.eu for further details.

Project title: Development of Molecular Scissors as Synthetic DNA Cutters

Description: This PhD scholar will be tasked with developing new copper-phenanthroline / phenazine based materials, through synthetic organic and inorganic chemical synthesis, that function as high-efficiency DNA cutters. You will investigate, a) biological application on selected DNA sequences, b) solution stability constants, and c) covalent modification for conjugation to targeting biomolecules. Green chemistry principles and metrics will be applied to develop a cleaner and more cost effective synthesis at the R&D stage, to facilitate process development. The candidate is expected to start in May 2015.

Research area: Biological Inorganic Chemistry

Salary: Marie Curie ESR Salary will be in the range of €37,903 - €42,491 p.a., before taxes, as determined by EU guidelines.

Requirements: M.Sc. in Chemical Sciences or equivalent graduation. Proof of English proficiency as communication and teaching language throughout ClickGene is English (e.g. TOEFL or similar test, not for native speakers).

Applicants for the PhD positions must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. All applicants must not have resided or carried out their main activity (work, studies, etc.) in the country of the organization they are applying to for more than 12 months in the 3 years immediately prior to the recruitment.

Informal enquiries: andrew.kellett@dcu.ie. (Please do not send applications to this e-mail address, instead apply as described below.)
**Application Procedure:** Applications should include a CV (with 3 references) and covering letter, explaining why you are interested in pursuing a PhD in this area, and be submitted with the application form as outlined below.

**Application forms are available from:**
Application forms are available from the DCU Current Vacancies (open Competitions) website at http://www.dcu.ie/vacancies/current.shtml and also from the Human Resources Department, Dublin City University, Dublin 9. Tel:+353 (0) 1 7005149.

Applications should be submitted by email to hr.applications@dcu.ie or by Fax: +353 (0)1 7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

**Dublin City University is an equal opportunities employer**