



Faculty of Science & Health

SCHOOL OF CHEMICAL SCIENCES

Postdoctoral Researcher: *Organocatalytic Wittig reaction* (Two 18 Month Contract Posts)

The postdoctoral researchers will play a pivotal role in developing the catalytic Wittig reaction into a viable commercial process. They will be expected to contribute intellectually during this process and may generate intellectual property.

Educational Prerequisite

- A PhD in Organic Chemistry

Required skills

- Expert in organic synthetic theory, for example retrosynthesis
- Expert in Schlenk technique and able to conduct reactions routinely under inert atmosphere and anhydrously
- Expert in general practical organic synthesis and purification techniques
- Expert in the application of standard organic characterisation techniques, for example, NMR, IR and MS
- Knowledge and use of chemical databases; for example SciFinder and Web of Science

Duties and Responsibilities

Reporting to Dr Christopher J. O'Brien, the post holders will

- Conduct research directed at the commercialisation of the catalytic Wittig reaction (CWR) employing the skills listed above
- Assist with supervision of undergraduate and graduate student projects as and when appropriate
- Consult with members of the research group as and when appropriate to ensure project delivery and information dissemination
- Keep an accurate account of their work in a designated lab notebook to a standard required under patent law
- Disseminate research findings through national and international meetings and assist Dr O'Brien in writing of peer-reviewed publications and research proposals
- Conduct their work in accordance with current health and safe regulations
- Any other reasonable duties as requested by the Principal Investigator, Dr C.J. O'Brien.

For further information in relation to the research group please see:

http://webpages.dcu.ie/~obrienc/OBrien_Group/Home.html

Salary Scale: **€37,750 – €41,181**

The provisions of the 2011 Budget may affect this salary scale. Appointment will be commensurate with experience and may be subject to the first point of the salary scale.

These posts are funded by Enterprise Ireland for a period of 18 months initially and are expected to commence in September 2011.

Closing date: **Friday 1st July 2011**

Application procedure

Application forms are available at: http://www.dcu.ie/vacancies/APPLICATION_FORM_8pg.doc and from the Human Resources Department, Dublin City University, Dublin 9.

Tel: +353 1 700 5149 Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

Dublin City University is an equal opportunities employer

