



**Irish Separation Science Cluster (ISSC):
Faculty of Science and Health**

**Postdoctoral Researcher
(Fixed Term Contract - up to 14 Month Contract)**

Hosted within the National Centre for Sensor Research at DCU, the ISSC is a joint initiative between DCU and University College Cork and comprises an internationally significant team of leading separation scientists, biotechnologists, organic/polymer chemists and micro-engineers. The main focus of the ISSC is to develop novel materials/stationary phases for use in analytical separations.

Arising from an Enterprise Ireland Innovation Partnership grant received by the ISSC the following postdoctoral research position is available in Dublin City University. The successful candidate will join this exciting multi-disciplinary and multi-partner research effort focused on the development of new materials, toward the advancement of the separation sciences and the provision of separation science based solutions in conjunction with an Irish based Industrial partner. Further information in relation to ISSC may be obtained via: <http://www.separationscience.ie/>

Role

Primarily involved in the development of new materials for separation science, the role of the successful candidate in the above project will be to synthesize and characterize new polymer materials for the development of stationary phases for liquid chromatographic applications. Characterization methods shall include NMR, FTIR and size exclusion chromatography. The successful candidate will be expected to collaborate closely with academic partners in UCC to immobilize polymer molecules onto selected solid supports (notably silica). Other duties shall include development of alternate phases using standard silane chemistry and other related materials as the project develops.

Qualifications & Experience

The successful candidate will possess a PhD in chemistry. Candidates should have a primary degree in which materials chemistry, synthetic chemistry, polymer chemistry or analytical chemistry was a significant component. Their doctorate should contain aspects of basic polymer chemistry, where polycondensation and radical polymerization played a significant part. Applications from candidates with a strong background in the analytical methods underpinning polymer characterization (spectroscopic and chromatographic) would be particularly welcome. A self-starting individual with an enthusiastic attitude, the ability to identify and solve problems, good presentation skills and the capacity to interact with an interdisciplinary team and our tightly linked industrial partners is essential.

Informal enquiries to:

Candidates are encouraged to contact Dr. Damian Connolly for informal discussions before submitting an application. E-mail: damian.connolly@dcu.ie

Salary: €37,750 – €46,255
Provisions of the budget 2011 may apply.

Closing date: 14th October 2011

Application Procedure:

Candidates should submit a completed DCU Application Form along with their CV to email: hr.applications@dcu.ie

Application forms are available at:

www.dcu.ie/vacancies/APPLICATION_FORM_8pg.doc and from the Human Resources

Department, Dublin City University, Dublin 9. Tel: +353 (0)1 7005149; Fax: +353 (0)1 700 5500;

Email: hr.applications@dcu.ie

Dublin City University is an equal opportunities employer