Research Centre: School of Chemical Sciences / National Centre for Sensor Research (NCSR)

Post title: Postdoctoral Researcher Photocatalysis / Research Assistant Photocatalysis

Post duration: 10 month Fixed Term Contract

Background & Role
The National Centre for Sensor Research (NCSR) is a large, multidisciplinary research unit based in state-of-the-art facilities situated on the campus of Dublin City University. Arising from success in recent proposals we are now seeking application for the following research position in DCU.

A highly motivated Postdoctoral Researcher is sought to contribute to an SFI funded TIDA programme developing a flow through device for water remediation based on polyoxometalate-polymer films.

Due to the specialist nature of this research position a candidate at Research Assistant level would also be considered who meets the relevant criteria for the post. Please note there is only one post available.

Principle Duties and Responsibilities
Reporting to his/her Principal Investigator the Postdoctoral Researcher will:

- Conduct a specified programme of research on the development of nanostructured hybrid polymer-polyoxometalate thin films for photocatalytic remediation of waste.
- Build and characterise a prototype photoelectrochemical reactor for waste water treatment under solar irradiation.
- Deliver research outputs and key deliverables according to the programme schedule and to provide input into reports as required according to project management schedules.
- Attend and present results at project technical progress meetings.
- Liaise with both internal and external stakeholders including industry/ collaborators.
- Engage in the dissemination of the results of the research at international conferences and publish research outputs in high impact international journals.
- Contribute to student training and supervision.
- Assist in identifying and developing future research and funding initiatives.
Minimum Criteria – Postdoctoral Researcher

- Candidates must have an honours primary degree in which chemistry was a major component.
- He/She will also have a PhD in which device fabrication in solar energy and/or photovoltaics or photocatalysis featured strongly.
- Experience in analytical chemistry, electrochemistry or photophysics would also be a distinct advantage.

Minimum Criteria – Research Assistant

We would also welcome applications from candidates at Research Assistant level who fulfil the criteria below:

- Candidates must have an honours primary degree or Masters in which chemistry was a major component.
- Experience in device fabrication in solar energy and/or photovoltaics or photocatalysis along with analytical chemistry, electrochemistry or photophysics would be a distinct advantage

A proven track record in research and excellent oral and written communication skills are also required for this post.

Closing date: Wednesday 18th March 2015

Salary:  
Postdoctoral Researcher: €37,750 - €40,003*
Research Assistant: €21,850 - €32,930*

*(subject to experience & qualifications)

Informal enquiries to:
Professor Tia Keyes, School of Chemical Sciences, DCU, Dublin 9, Ireland
E-mail: tia.keys@dcu.ie Phone: +353 (0)1 7008185

Please do not send applications to this email address, instead apply as described below

Application Procedure

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. Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

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