

NATIONAL CENTRE FOR SENSOR RESEARCH (NCSR)

Research Engineer Fluorescence Microscopy

(12 Month Contract)

The National Biophotonics & Imaging Platform Ireland (NBPI) provides an integrated national access and training infrastructure in research, education, technology development and industry collaboration for Ireland's investment in Biophotonics and Medical Imaging. Under the HEA Programme for Research in Third Level Institutions (PRTL I IV), the Platform was recently awarded €30 million in research funding.

The NBPI Group is located within the National Centre for Sensor Research (NCSR; www.ncsr.ie) at Dublin City University.

Duties and Responsibilities:

Reporting to the NBPI Director, the fellow will contribute to, and support a number of projects focussed on the development of novel environmentally sensitive probes for cellular imaging and artificial model systems for the cell membrane. He/She will be responsible for running the fluorescence and Raman imaging laboratory. Duties and responsibilities attaching to the post include but are not restricted to the following:

- Contribute toward design and implementation of a range of imaging and microscopy experiments across a range of multidisciplinary research projects.
- Undertake the commissioning and maintenance of microscopy equipment.
- Collate operations manuals, prepare standard operating procedures and ensure documentation is maintained.
- Manage online equipment schedules.
- Perform calibration and repair of instruments.
- Identify user needs and provide training and support of imaging experiments within the research group
- Monitor and ensure compliance with all health and safety rules and regulations.
- Undertake any other duties as assigned by the NBPI Director or nominee.

Person specification:

Applicants must have a PhD in a science discipline and at least 3 years experience in confocal fluorescence microscopy and image analysis. This experience should include live cell and/or tissue imaging, and a knowledge of cell biology is especially sought. Particular consideration will be given to candidates who combine fluorescence imaging expertise with experience in Raman microscopy and/or fluorescence lifetime imaging. As the individual will work within a multidisciplinary research team, excellent communication skills, both oral and in written English are absolutely essential.

Informal enquiries to:

Prof. Tia Keyes, NBIPI Director, DCU.

E-mail: 353 (0)1 7008185

E-mail: tia.keyes@dcu.ie

Salary scale: €33,975

Closing date: 1st March 2011

Application forms are available from:

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