



PostDoc Job Opportunity



DUBLIN CITY UNIVERSITY	First Name	Last Name	email	Institute	Address
PI name & contact details:	Jens	Ducrée	Jens.ducree@dcu.ie	DUBLIN CITY UNIVERSITY	Glasnevin, Dublin 9, Ireland.
School:	Physical Sciences				
Research Centre / group affiliation:	Biomedical Diagnostics Institute				
Research group / centre website:	http://www.dcu.ie/microfluidics/				

Brief summary of research group / centre activity:

We develop microfluidic "lab-on-a-chip" technologies for a range of applications in biomedical diagnostics and the life sciences. Through large-scale system integration as well as sample-to-answer automation, these technologies will constitute the backbone of next-generation point-of-care / point-of-use devices for personalised medicine.

Description of postdoctoral project on offer:

The research within the scope of this project will focus on the implementation of symptom-specific disease panels comprising of a range of tests to be run on on a single, integrated "lab-on-a-disc" systems. Centrifugal microfluidic technologies will carry out sample preparation for on-disc detection of a range of tests including general chemistry, immunoassay, molecular diagnostics and cell counts on a single disc substrate..

Please indicate the core skills or disciplines that are required for this position:

The ideal candidate for this highly interdisciplinary project should bring in skills from one of the following fields: microfluidics, engineering, physics, analytical chemistry, biotechnology. A proactive approach towards communicating and learning about other fields involved is required.