

## Research Fellowship in Biomaterials - Network of Excellence for Functional Biomaterials (NFB)

### Description:

Applications are invited from suitably qualified candidates for a two year fixed term contract position (with a possible two year extension subject to review) as a researcher within the Network of Excellence for Functional Biomaterials (NFB). Candidates will be involved in the synthesis, characterisation and development of a novel dendrimeric system which will be used in the delivery of therapeutic biomolecules to diseased tissues/organs in vivo.

### Duties and Responsibilities:

- Co-ordinate and manage project in an independent manner.
- Functionalise scaffolds using dendrimer-based cross-linking methods for tissue engineering applications.
- Optimise biomolecule loading concentrations and elution profiles.
- Carry out extensive in vitro and in vivo cell-biomaterial interaction studies.

### Location:

NFB is a partnership of scientists, engineers and clinicians, who all share a common vision of developing innovative and successful therapies resulting in an improved quality of life for patients. Researchers at NFB work on a single research platform to develop the next generation of biomaterials to provide solutions for current clinical needs. The University is in close proximity to Galway City, one of the fastest developing cities in Europe and a thriving, bustling centre of culture and commerce, providing ready access to all facilities a modern city offers. It provides a research-friendly social and cultural environment. Galway is also one of the key cities in Europe with a significant presence of the medical device industry sector.

### Qualifications:

Ideal candidate should have a track record in a research and development environment. A postgraduate degree with 2-3 years proven expertise in synthetic and analytical chemistry, protein chemistry and cross-linking is necessary. Candidates must be highly motivated and passionate about developing new products and have strong documentation, oral and interpersonal skills. Previous experience in dendrimer synthesis and cross-linking protein based scaffolds is essential. Candidates interested in gaining experience in preclinical experience are sought. This position is funded through an SFI Strategic Research Cluster Award.

**Salary:** €40,578

**Start date:** Position is available immediately

Further information about NFB is available at ([http://www.nuigalway.ie/ncbes/research/biomaterials\\_nfb.htm](http://www.nuigalway.ie/ncbes/research/biomaterials_nfb.htm))  
Informal contacts concerning the post may be made to Professor Abhay Pandit: [Abhay.pandit@nuigalway.ie](mailto:Abhay.pandit@nuigalway.ie);  
Tel: +353 91 492758.

### To Apply:

Applicants are requested to submit a covering letter, CV, and the contact details of three referees to the centre administrator, Ms. Tara Cosgrave, Network of Excellence for Functional Biomaterials (NFB), NUI Galway by e-mail: ([tara.cosgrave@nuigalway.ie](mailto:tara.cosgrave@nuigalway.ie))

**Closing date for receipt of applications is 5pm on Tuesday 30<sup>th</sup> September 2008.**