



NUI Galway  
OÉ Gaillimh



UNIVERSITY  
OF  
IOANNINA

## **PhD Studentship – Tissue Engineered Devices**

### **Description:**

Applications are invited from suitably qualified candidates for a three-years, fully funded, full-time PhD position at the University of Ioannina, Greece. The project is in collaboration with the National University of Ireland Galway (NUI Galway), Galway, Ireland. The successful candidate will spend time in both Universities. The position is available from September 2019 onwards. The project aims to develop tissue engineered implantable devices for wound healing purposes. The produced devices will be characterised using an array of biophysical, biomechanical, biochemical and biological methods. *In vitro* analysis will be conducted using human permanently differentiated and stem cell populations. Preclinical analysis of the produced devices will also be conducted.

### **Qualifications / Expertise:**

The candidate should have a 1<sup>st</sup> or 2:1 Bachelor's degree and a Master's in tissue engineering, cell biology, biology, biomaterials, biomedical engineering, biochemistry, or in a related area. The ideal candidate should have experience in as many of the following techniques: development of tissue engineered devices; cell (permanently differentiated and stem cells) biology; molecular biology; protein and gene analysis; preclinical analysis; histology; and immunohistochemistry. The candidate should have excellent communication and organisational skills; be highly motivated and passionate about developing new products; and have strong written, oral and interpersonal skills. The candidate should be able to work independently and as a part of team.

### **Duties:**

The successful candidate will be involved in: Development of tissue-engineered devices; Cell acquisition from human tissues; *In vitro* biophysical, biomechanical, biochemical, biological characterisation of the produced devices; Preclinical evaluation of the produced tissue engineered devices; Conference and Meeting attendance and participation; Report and paper writing; Participation to training courses; Undergraduate teaching and/or laboratory demonstrations; Other duties relevant to the post.

### **Start Date:**

September 2019 or soon after that.

### **To Apply:**

Applicants should submit a cover letter outlining their suitability to the post, a detailed CV and the contact details of three referees. The application pack should be emailed to Dr Dimitrios Zeugolis ([dimitrios.zeugolis@nuigalway.ie](mailto:dimitrios.zeugolis@nuigalway.ie)). Closing date for receipt of applications is 17.00 on Friday, 16<sup>th</sup> of August 2019.



Centre for Research in Medical Devices



REGENERATIVE, MODULAR & DEVELOPMENTAL  
ENGINEERING LABORATORY