

Fully Funded PhD Studentship – Tissue Engineered Devices

Description:

Applications are invited from suitably qualified candidates for a fully funded (fees and stipend), full-time PhD position between the University College Dublin, Dublin, Ireland and University of Ioannina, Arta, Greece. The position is available from June 2021 onwards. The project aims to develop advanced therapy medicinal products for wound healing purposes using permanently differentiated, stem and engineered cell populations. The produced tissue engineered medicines will be characterised using an array of biochemical, biophysical, biomechanical and biological methods. Preclinical analysis of the produced tissue-like moduli will also be conducted.

Qualifications / Expertise:

The candidate should have a 1st or 2:1 Bachelor's degree and a Master's in biomaterials, biomedical engineering, tissue engineering, cell biology, biology, drug discovery, biochemistry, or in a related area. The ideal candidate should have experience in as many of the following techniques: scaffold fabrication and characterisation; 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: Scaffold fabrication and characterisation; Cell acquisition from human tissues; *In vitro* biophysical, biomechanical, biochemical, biological characterisation of the produced scaffolds; Preclinical evaluation of the produced advanced therapy medicinal products; Conference and Meeting attendance and participation; Report and paper writing; Participation to training courses; Undergraduate teaching and/or laboratory demonstrations; Travel to project partners' institutes; Other duties relevant to the post.

Start Date:

June 2021 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 Prof. Ioannis Skoufos (jskoufos@uoi.gr) and to Prof. Dimitrios Zeugolis (dimitrios.zevgolis@ucd.ie). Closing date for receipt of applications is 12:00 on Friday, 14th of May 2021.