

Fully Funded PhD Studentships

Description:

Applications are invited from suitably qualified candidates for fully funded (fees and stipend), full-time PhD positions at the Regenerative, Modular & Developmental Engineering Laboratory (REMODEL) at the University College Dublin, Dublin, Ireland. University College Dublin is ranked within the top 1 % of higher education institutions world-wide. The positions are in the fields of functional biomaterials, tissue engineering, regenerative medicine, drug discovery and cellular agriculture. State-of-the-art biomaterials fabrication and characterisation as well as cell culture technologies and analysis techniques will be utilised.

Qualifications / Expertise:

The candidate should have a 1st or 2:1 Bachelor's and a Master's in biomaterials, biomedical engineering, tissue engineering, cell biology, biology, biochemistry, or related area. The ideal candidate should have experience in as many of the following techniques: scaffold characterisation; cell (permanently differentiated and mesenchymal stromal cells) culture; molecular biology; protein and gene analysis; preclinical analysis; immunocytochemistry; and histology. 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 / animal tissues; *In vitro* culture and characterisation of appropriate cell populations; *In vitro* biophysical, biochemical and biological characterisation of the produced tissue engineered medicines; Preclinical evaluation of the produced advanced therapy medicinal products; Conference participation; Report and paper writing; Participation to training courses; Undergraduate teaching and/or laboratory demonstrations; Other duties relevant to the post.

Start Date:

As soon as possible.

To Apply:

Applicants should submit a cover letter outlining their suitability to the post, a detailed CV, transcripts and the contact details of three referees. The application pack should be emailed to Prof. Dimitrios Zeugolis (dimitrios.zevgolis@ucd.ie).