

PhD Fellowship – lifETIME CDT

Organisation: The SFI Research Centre for Medical Devices (CÚRAM) is a national, SFI funded, research centre that brings together researchers from NUI Galway, University College Dublin, Dublin City University, University of Limerick, University College Cork, Trinity College Dublin, Royal College of Surgeons Ireland, National Institute for Bioprocessing Research and Training, and Technology University of the Shannon. The prime objective for CÚRAM is to radically improve health outcomes for patients by developing innovative implantable ‘smart’ medical devices to treat significant unmet medical needs using the latest research from biomaterials, stem cells and drug delivery and the support of almost 40 industry partners, strong clinical collaborations, and hospital groups.

Website: www.curamdevices.ie

Programme Introduction: The EPSRC-SFI Joint Centre for Doctoral Training in Engineered Tissues for Discovery, Industry, and Medicine (lifETIME CDT) is a partnership between the University of Glasgow, University of Birmingham, Aston University and the National University of Ireland Galway. Within the National University of Ireland, Galway, the dynamic programme is hosted by CÚRAM, the SFI Research Centre for Medical Devices.

The lifETIME CDT will train future engineering and physical science (EPS) innovation leaders in interdisciplinary (engineering, chemistry, physics, maths and biology) research to develop humanised in vitro systems to accelerate therapeutic discovery in tissue engineering, sensing, and diagnostics.

Students will follow a four-year PhD model. Over the four years with the lifETIME CDT, students will undertake a range on skills training modules designed to help them network with stakeholders (industry, HSE, charity, funders and regulators) in the sector and will develop their skills in becoming a future leader. The cohort-based training will forge an Irish community of talented researchers with high-value skills sought by the market and who can deliver change. The students will spend time conducting research or training in partner institutions in the UK. The skills training programme will also include a summer school per year to develop professional skills and to strengthen the cohort.

The position is funded under the EPSRC – SFI CDT program.

Qualifications:

The candidate should have a 1st class or a 2:1 honours first degree and a Master’s in any of the following areas: biomaterials, developmental biology, biomedical engineering, chemistry, molecular biology, biotechnology, tissue engineering, medicine, cell biology, biology, drug discovery or in a related area. The ideal candidate should have experience in as many of the following techniques: cell biology; molecular biology; protein/gene analysis; histology; and immunohistochemistry, biomaterial fabrication/synthesis. Candidates 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 a team. Leadership skills are desirable for this fellowship. The candidate will be working under the joint supervision of a CÚRAM supervisor, and a UK-based supervisor.

Start Date:

The fellowship is available from fall 2022.

To Apply:

Applicants should submit by email, at lifetime@nuigalway.ie:

1. A cover letter outlining their suitability to the post
2. A detailed CV
3. Contact details of two referees

Additionally, you must fill the lifETIME CDT CÚRAM PhD Candidate Application Form 2022 online, which can be accessed at this [link](#).

Closing date for receipt of applications is 31st January 2022. Shortlisted candidates will be further evaluated for their writing ability and subsequently interviewed.

Equal Opportunities Statement: The National University of Ireland Galway is an equal opportunities employer.

Funded by