

**Dundalk Institute of Technology invite applications for the following position:
PhD postgraduate Scholarship (Full-time: 36 months)**

Project overview

Title: Modulation of purinergic responses in the detrusor

Supervisor: Prof Gerard P Sergeant

Position Reference: 05STEM2021

Keywords: smooth muscle, ion channels, physiology, bladder

Project Overview: Applications are invited for a fully funded, three year Ph.D studentship to join a dynamic team of researchers in the Smooth Muscle Research Centre in Dundalk Institute of Technology. The project will use a combination of patch clamp electrophysiology, isometric tension recording and an array of molecular biology techniques to determine how P2X receptors regulate bladder contractility and how they are modulated by drugs used to treat overactive bladder syndrome

Dundalk Institute of Technology

Dundalk Institute of Technology is a dynamic, world class Institute that has developed an international reputation in both basic and applied research through its Research Centres. This PhD Scholarship is offered through the Smooth Muscle Research Centre within the School of Health and Science at DkIT. The successful applicant will be registered as a full time postgraduate research student in the DCU-DKIT Graduate School. The PhD position will be located on the DkIT campus and the Degree will be awarded by Dublin City University.

Funding

This project is co-funded by the HEA Technological Universities Transformation Fund and DkIT.

The successful candidate shall receive a postgraduate stipend of €18,500 per annum, plus fees and a contribution to their direct research project costs. The duration of this PhD studentship is 36 months, Full Time. Terms and conditions will apply.

Eligibility

Eligibility Criteria:	Essential	Desirable
Qualifications	2:1 Honours Degree (or equivalent) in physiology, biomedical science, biochemistry, molecular biology, or life science-related subject.	
Experience/knowledge	Excellent oral and written communication skills along with the ability to work both independently and as part of a multi-disciplinary team.	

It is also a requirement that any applicant whose first language is other than English must have a certified English language proficiency of at least IELTS 6.5 or equivalent.

Application process

Please send a **copy of your CV and a 1-page cover letter** to orla.lynch@dkit.ie no later than **4.00 pm on Thursday January 20th 2022**. Applications received after this time will not be considered.

Please use the position reference **“05STEM2021”** in the subject title. Short listed candidates will be invited to interview.

Please note, canvassing will render an applicant ineligible.