



TEAGASC PHD WALSH SCHOLARSHIP OPPORTUNITY

"VistaMilkDigest"

Walsh Scholarship Ref Number 2019220

Background

This PhD research project, funded within VistaMilk, aims to follow the fate of dairy proteins and products as they transit the gut (infant, adult and older adult) and cross the intestinal barrier to promote lifelong health. We will perform this tracking by using in vitro models of the gastrointestinal tract, cell lines that represent the intestinal barrier and cellular assays that measure biomarkers of health.

The VistaMilk SFI Research Centre aims to be an agent of growth for the Irish dairy industry by being a world leader in fundamental and translational research for precision pasture-based dairying. VistaMilk represents a unique collaboration between Agri-Food and ICT research institutes and leading Irish/multinational food and ICT companies. The Centre is hosted by Teagasc, the national agency with responsibility for agriculture and food research, in partnership with the Tyndall National Institute, Ireland's national microelectronics institute, the Telecommunications Software & Systems Group (TSSG) at Waterford Institute of Technology and the Insight Centre for Data Analytics (at UCD, NUIG, DCU). VistaMilk is funded by Science Foundation Ireland (SFI), the Department of Agriculture Food and the Marine (DAFM) and the European Regional Development Fund (ERDF).

Requirements

To be eligible to apply for a PhD, you must have an Honours degree with at least Second Class Honours Grade I in an approved primary degree (such as Biochemistry, Nutritional Science, Biomedical Science, Cell Biology or Food Science). Applicants with a relevant Masters degree (of any grade) are also eligible to apply. Refer to: https://www.ucc.ie/en/cacsss/grads/future_postgrads/research_courses/phds/ The successful candidate should be self-motivated with enthusiasm to develop wet-lab technical skills across a range of disciplines. They should have an interest in and aptitude for laboratory-based research. All applicants, whose first language is not English, are required to have an International English Language Testing System (IELTS) score of >6.5 or a Test of English as a Foreign Language (TOEFL) test score of >90 (internet based). More details regarding English requirements can be found at <http://www.ucc.ie/en/study/postgrad/how/>

Award

This PhD starts no later than 1 Sept 2020 and is a joint research project between Teagasc Food Research Centre Moorepark (www.teagasc.ie) and University College Cork, Ireland (www.ucc.ie). The student will be based primarily at Teagasc Food Research Centre Moorepark and will be registered at University College Cork, working under the supervision of Dr. Linda Giblin (Teagasc) in association with Prof. Nora O'Brien (University College Cork) and Dr. Elena Arranz (Teagasc).

The Scholarship funding is €24,000 per annum and includes University fees of up to a maximum of €5,500 and student stipend at a flat rate of €18,500 per annum and is tenable for 4 years.

Application Procedure

Submit an electronic copy of Curriculum Vitae and a letter of interest to:

elena.arranz@teagasc.ie

Please include 'VistaMilkDigest' in the subject line

Closing date 30 March 2020

