

PhD Studentship

Job Posted:

Closing Date for Applications: 20th January 2017

College: [College of Science, Engineering and Food Science](#)

Contract Type: [Fixed Term Whole-Time](#)

Job Type: [Research](#)

Salary: [see below](#)

College of Science Engineering and Food Science, UCC: PhD in Food Sciences

The position is open to candidates who meet residency requirements in Ireland or the EU. The studentship comprises an annual stipend for four years, in addition to fees at the EU level (approximately €6,000 per year). The current stipend is €16,000 per annum. The project is funded for 48 months with a start date of February 2017. The language of the laboratory is English.

The student will be registered in the College of Science Engineering and Food Science, University College Cork, Ireland. The student will be primarily based at UCC in the School of Food and Nutritional Sciences. The student may conduct some of their research in other laboratories at various stages of the studentship.

Principal Investigator Team : Prof EIKE, K. Arendt (UCC)

Project Title: Isolation, characterisation and Exploitation of natural anti--yeast agents and their application as consumer-friendly preservatives in food and beverage products

Project summary: Yeast contamination is a problem in a wide range of food products. Yeast growth leading to spoilage is an important cause of economic losses in food industry. The research project aims to isolate, characterize and applied anti-yeast compounds from LAB and the plants' derivate. The impact of these compounds on a wide range of product parameters will be measured. Special emphasis will be placed on product safety aspects. Challenge tests will be performed on the food products and cytotoxicity assays will be carried out as well. A comprehensive dissemination and product protection plan will be an integral part of the project.

KEY DUTIES AND RESPONSIBILITIES

- To conduct a specified program of research under the supervision and direction of the Principal Investigators
- To work with other partners/collaborators in achieving the research goals. ·To participate in the dissemination of the results of the research (oral and written) in which you are engaged, as directed by the Principal Investigators.
- To contribute and produce high quality peer reviewed publications and other outputs. ·To present research progress and project outcomes at project meetings and relevant conferences

Selection Criteria

- BSc, MSc degree in food chemistry, food engineering, food technology, food microbiology, biochemistry, and biotechnology experience
- Highly motivated individual with a keen interest in food research

- Keen interest in working on industry relevant research and gaining transferable skills
- Have excellent laboratory skills, organizational and communication skills, report writing and data analysis
- An ability to work independently to a tight schedule to deliver the milestones and deliverables as set out in the project proposal
- Have the ability to work effectively as part of a team to achieve results within the time frame of the project

To Apply:

Unique reference number: AY2017 Applications (as a single PDF) should include a covering letter, a detailed CV and the names and contacts of THREE referees. Applications will be accepted until 20th January 2017 5pm GMT. Applications and informal queries, by email only to Dr. Emanuele Zannini (e.zannini@ucc.ie) **Please cite the unique position reference TF2017 only in the subject of all emails related to the PhD**