

JOB ADVERTISEMENT : PHD STUDENT POSITION AS PART OF PROTEBOOST INTER-UNIVERSITY PROJECT

OVERVIEW OF PROTEBOOST PROJECT

PROTEBoost project aims at developing new, healthy and attractive food PRODUCT with high protein content from biomass of purple bacteria. A complete and integrate solution will be obtained by 1) optimising the production of a microbial biomass rich in high quality proteins, 2) developing new methods for biomass harvesting, stabilisation and downstream processing allowing keeping all functional and organoleptic properties of the product and 3) setting up processing technologies to produce healthy and attractive food products. Digital technologies will be implemented in the developed process in order to allow easy optimisation and control of both purple bacteria production and food product preparation. Targeting the development of sustainable production, the project will also implement continuous life cycle assessment that will also serve process optimization during the project. The project will be performed by a consortium of Belgium partners from ULiège, ULB, UCLouvain, Materia Noval, Celabor, Multitel and will be coordinated by UMONS. The project will start in January 2023.

DESCRIPTION OF PHD STUDENT POSITION

AS PART OF Proteboost project, the Laboratory of Gastronomic Science of the University of Liège (campus of the Gembloux Agro-Bio Tech faculty) is proposing a doctoral thesis for development and evaluation of meat alternative from purple bacteria fresh biomass, proof of concept of the use of fresh microbial biomass, techno functional and nutritional properties monitoring and optimisation in collaboration with the Clinical Investigation Center in Nutrition (UCLouvain).

REQUIRED PROFIL

Candidate to PhD student position should have a master degree in bioengineering, food sciences, biological, chemical or molecular biology or equivalent.

ADDITIONAL INFORMATION

- Workplace : Laboratory of Gastronomic Science (Campus of Gembloux Agro-bio Tech)
- Salary base : ULiège scale
- Type of employment contract: research assistant with enrolment to a PhD thesis for a period of 4 years
- Salary benefits : training, public transport
- Position available now

Candidates should send their CV and motivation letters (containing a clear mention of the position/research activity of interest) at baptiste.leroy@umons.ac.be. Candidate for PhD student positions should include a clear description of their degree allowing to define eligibility to the thesis.