



PhD Position in Food Chemistry / Food Technology for MSCA-ITN “HiStabJuice”

Job Description

The Marie Skłodowska Curie Innovative Training Network “HiStabJuice” is inviting applications for a 36 month full time fixed term position as an Early Stage Researcher. This research project is a collaboration between 17 organisations, including 7 academic and 10 non-academic, from 7 countries (AT, DE, FR, IT, NL, PT, SL) across Europe. The research aims to analyse and compare in a normalised fashion the impacts of various available processing technologies on the stability of colour and nutrients in various fruit juices.

The successful applicant will be employed by Höhere Bundeslehranstalt und Bundesamt für Wein- und Obstbau in Austria, with planned intersectoral and interdisciplinary stays with collaboration partners totalling a maximum of nine months. The ESR will be awarded a PhD by the Technische Universität Wien upon successful defence of their thesis.

The research and PhD thesis will be on “*Key parameters of strawberry for the production of colour stable nectars*”.

The ESR will:

- use strawberry as a typical representative for fruits with low colour stability
- collect strawberries of different cultivars, harvest point, harvest time and ripening stage and characterize them for the degree of ripeness (firmness, colour, soluble dry matter)
- analyze colour related ingredients (anthocyanins, phenols) as a function of cultivar, ripeness and harvest time
- analyze the freezing processes on colour related ingredients
- produce fruit nectars and evaluate the colour stability during storage
- sensory evaluation of the nectars as a function of cultivar, ripeness and harvest time,
- optimize freezing procedures with respect to colour stability.

Beyond the specific expertise gained during the ESR’s completion of their research work, this position offers an opportunity to gain international research experience, as well as an array of soft skills relevant to project management, research management and career development.

Applicant Description

Candidates must:

- hold a University Master’s Degree in any discipline in the food or life sciences that makes them eligible for a PhD in chemistry or biology
- not have resided or carried out their main activity (work, study, etc) in Austria for more than 12 months in the three years immediately prior to April 2021, unless as part of a procedure for obtaining refugee status under the Geneva Convention, but may be of any nationality
- be available to start on 01.04.2021
- have excellent English language skills
- be able to travel internationally on a regular basis, for example to attend regular project meetings or to take part in conferences
- be able to work in an international environment, be highly motivated and reliable, be able to work to strict deadlines

Preference will be given to candidates with experience in fruit processing and analysis.

Research Fields

fruit characterisation, fruit technology, fruit analysis

Career Stage

According to EU HORIZON 2020 guidelines, Early Stage Researchers must have fewer than four years research experience at the date of employment (01.04.2021), and must not have been awarded a doctoral degree.

Benefits

Annual Salary: within the range of EU Marie Curie European Training Network programs
Monthly Mobility Supplement and Monthly Family Allowance (if eligible): according to the rules of EU Marie Curie European Training Network programs. Specifics available [here](#).

How to Apply

Please send a letter of motivation and your full CV, along with any supporting documents, as a single PDF to Dr. Manfred Gössinger (coordination.histabjuice@tuwien.ac.at) before 31st January 2021. Please include "ESR5 Application" in the reference line. CVs should follow the Europass template available for free download at: https://www.eea.europa.eu/about-us/jobs/application-documents/europass_cv_template.doc.