



PhD Position in [Biosciences](#) 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 GfL Gesellschaft für Lebensmittel-Forschung mbH in Germany, with planned intersectoral and interdisciplinary stays with collaboration partners totalling a maximum of eleven months.

The research and PhD thesis will be on “*Influence of thermal and non-thermal treatments on selected nutrients of fruit juices and nectars*”. The ESR will be awarded a PhD by the University of Ljubljana upon successful defence of their thesis.

The ESR will:

- compare conventional and non-conventional stabilization methods using juice and nectar obtained from the same raw materials (frozen, same batch) and same log-reduction (5 log and 12-log)
- produce fruit juices and nectars and preserve them with pasteurisation (strawberry, blue grapes, sour cherry)
- determine the colour stability of these juices and nectars produced under conventional heat treatment
- optimize conventional heat treatment stabilization protocols with respect to enzyme inactivation
- perform analysis (kinetics) of selected nutrients (e.g. vitamins) of juices and nectars produced by ESRs 6-10)

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 that makes them eligible for a PhD in [Biosciences](#)
- not have resided or carried out their main activity (work, study, etc) in Germany 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 the processing and chemical analysis of fruit and vegetables and their products. A background in food chemistry, chemistry, analytical chemistry, food technology, food engineering or horticulture is preferable.

Research Fields

Analytical chemistry, food chemistry, food technology

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 Mikko Hofsommer (coordination.histabjuice@tuwien.ac.at) before 18th January 2021. Please include "ESR10 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.