

Postdoctoral Research Position

In transfer of knowledge in process and products development on Extraction and formulation intensification processes for natural actives of wine.

Information:

The University of Valladolid (UVa) is one of the most important centers of Higher Education in Spain (www.uva.es). It offers more than 100 degrees, 80 doctoral programs (14 of them with honors) and 68 graduate degrees. Furthermore, the main scientific facilities of the UVa are spread over 4 different campuses and have more than 5.000 researchers with demonstrated capacity, 1 Science Park, 1 European Projects Office, 1 Technology Transfer Office, 4 buildings dedicated exclusively to R&D, 4 Certified Laboratories for the Industry, almost 300 Research Laboratories, 19 Research Institutes and 5 Associates Research Centers.

The University of Valladolid participates in WineSense project as coordinator, led by Chair Prof. María José Cocero, head of the excellence research group on High Pressure Process Engineering (<http://hpp.uva.es/>), one of the most active and successful research groups of the University of Valladolid.

We offer one Postdoctoral Research position for 24 months to work on WineSense project at the University of Valladolid.

Description:

The position is funded by the European Commission under the Marie Curie Industrial and Academia Partnership and Pathway (IAPP) PIAP-GA-2013-612208, project WineSense (<http://hpp.uva.es/winesense/>).

The WineSense project proposes to improve the extraction process to catch most of the active parts of the polyphenols (presents in grapes), to define a suitable formulation for pharmaceutical applications, food, and cosmetics additives based on Solvent Free Microwave Extraction (SMFE), Microwave Assisted Extraction (MAE), and emulsion-Template techniques combining high pressure and antisolvent effects. Those are techniques developed for analytical purposes that are being implemented in production processes.

New solutions for conventional extraction processes and new solutions for new products are needed to increase process efficiency and product properties. Intensification is a common objective of the extraction and formulation as it reduces operating time, while improving the quantity and quality of the extracts.

Nr of positions available : 1

The candidate will participate in the knowledge and technology transfer of the process and product development for the intensification of extraction and formulation processes of natural active substances from wine.

The selected researcher will contribute in: (a) the development of a strategic plan for dissemination of the project and promote the commercial exploitation of the results and, (b) the widest dissemination of the knowledge generated during its execution and (c) enabling the partners (SME) with the opportunity of increasing revenues by using WineSense outputs.

Terms of Employment: This is a full-time post-doctoral position for 24 months. Universidad de Valladolid strives to be a work place that is free from discrimination and with equal opportunities for all.

The job location is Valladolid, Spain and the management institution of work contract will be Fundación General de la Universidad de Valladolid, third management party of University of Valladolid. <http://www.spain.info/en/que-quieres/ciudades-pueblos/otros-destinos/valladolid.html>

Valladolid is a Spanish medium city with aprox. 330k population and one hour far by train from Madrid. The historic centre of Valladolid, the city on the Pisuerga River, is home to an interesting collection of Renaissance buildings comprising houses, palaces, churches, and one of its most emblematic buildings, its cathedral. The city has an intense cultural schedule thanks to its status as a university town, and hosts events such as the Seminci, the International Film Festival, one of the highlights of the Spanish film calendar.

Career Stage

Successful candidates must hold a PhD (<10 years experienced researcher) in chemical engineering or other relevant discipline.

We are especially looking for candidates (f/m) with research experience in:

1. Knowledge and Technology Transfer in product development
2. Process and product development
3. Demonstration scale design

Furthermore, other demonstrable experience would be highly desirable in:

1. Full economics to enable subsequent exploitation and business plans.
2. Pharmaceutical and/or cosmetic industries.

Other skills: interest in quantitative research, strong analytical skills, ability for independent and critical thinking, and excellent communication and writing skills in the English language are a prerequisite.

For further information, please contact Prof. María José Cocero, mjcocero@iq.uva.es

Benefits

Marie Curie fellows enjoy good salaries and working conditions, career development opportunities for training and develop other skills.

Starting date

Starting date for the positions is as soon as possible. Candidates must be able to secure a residency and work permit in Spain.

Salary

Living allowance: 57.154,50 € gross amount per year for full time dedication. Furthermore, monthly the candidate will receipt a mobility allowance that it will depend on his/her family status. Those values are pending to apply the national taxes and medical insurance (social security charges).

To apply

Interested candidates should send their applications by email to mjcocero@iq.uva.es

The application is to be marked with the project name (WineSense) and must include:

- CV with list of publications, patents, academics awards/honors or other interesting issues.
- Relevant transcript of Grades, Diplomas and Certificates.
- A cover letter (1 page) explaining your motivation and how your skills and experience relate to the research focuses of the position you apply for.
- References letters from at least 2 researchers of different institutions or companies.

Eligibility Criteria

According to Marie Curie rules, to be eligible the researcher must simultaneously fulfill the following criteria at the time of appointment:

- Nationality: The researcher may be a national of a Member State of the Community, of an Associated State or of any other third country.

- Mobility: The candidates must not have resided or carried out his/her main activity (work, studies, etc) in Spain for more than 12 months in the 3 years immediately prior to his/her recruitment. Short stays, such as holidays, are not taken into account.

Application deadline

We will accept applications received by April 7th, 2014, or till the position is filled. After that, we will evaluate all candidates and then we will do an interview to make a final decision.

For further information:

Please look the information up on Website project: <http://hpp.uva.es/winesense/recruitment> or contact: mjococero@iq.uva.es