1 Research fellowship - Università Ca' Foscari Venezia
(Italian law 30 December 2010, n.240, art. 22)

The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following [link] The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.

Description

The Department of Molecular Sciences and Nanosystems at Università Ca' Foscari Venezia invites applications for a fellowship in:

Title: "Supercritical extraction of agro-food waste biomass"

SSD: CHIM/06

Coordinators and Tutors: Proff. Alvise Perosa and Maurizio Selva

Duration: 12 months

Abstract:

The research fellow will carry out the research on the extraction with supercritical CO2 processes of the matrices identified as the most promising during the first phase of the project. With the help of the partner Unifarco, the post-doc will transfer the results of the extraction screening from the laboratory scale to the pilot plant and will conduct microbiological and stability tests of the extracts in view of their use for cosmetic formulations. The research fellow will mainly work at the DSMN of the Ca' Foscari University of Venice, but also at the DSF of the University of Padua and Unifarco.

CUP: H74I19001580007

The research may be carried out in English.

The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca' Foscari Venezia.

Who can apply

Prospective candidates are expected to hold a Phd degree in Chemistry or Industrial Chemistry and who had not yet turned 40 on 04/30/2020.

Ca' Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar.

Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC
Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.

The following qualifications are considered as evaluation criteria:

a. specialisation diplomas and attendance certificates at post-graduate specialisation courses, obtained both in Italy or abroad, documented research activity in public and private organisations with contracts, study grants or assignments both in Italy and abroad;
b. research experiences in business contexts;
c. project management experiences.

Duration of contract: 12 months approximately starting: October 2021.

Stipend: The research fellowship amounts to 19.541,00 Euros per year, including taxes and social charges.

Deadline for submission of applications: 09/14/2021 at 12.00 (Italian time).

How to apply:
Candidates should submit:
1. The application form;
2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file. (link)
3. A copy of a valid identity document (either Identity Card or Passport);
4. (If available) Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
5. (If available) Details of Marie Sklodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;
6. All documents, qualifications and publications relevant for the selection procedure (please, see the notice link).

All the schemes of the quoted documentation are available on the website (link).

How to submit your application
Applications should be submitted by the online procedure, available on the notice webpage (link)
The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.

The candidate if necessary could access the procedures for updating any data and materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline **09-14-2021 at 12.00 Italian time**.

Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.

Please note that in case of an high number of applications and/or weight of the materials loaded by the candidates the system might become slower, Therefore it is suggested not to start the process close to the deadline.

**NB:** the University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.

**Evaluation**

Up to 100 points, specifically:

- For qualifications, publications and possible tests, from 0 to 60;
- For interview, from 0 to 40.

**Selection procedure**

**The interview will be on September 21st 2021 at 3:00 p.m. (Italian time) through GoogleMeet.**

The list of candidates admitted to the interview will be published on September 15th 2021, on the University web page (link).

Candidates living farther than 200 Kms from Venice may ask to hold a telematic interview.

**Topics of the interview:**

- Knowledge of experimental techniques typical of organic synthesis;
- Experience in the development of synthetic and green process procedures;
- Knowledge of alternative green solvents to traditional ones;
- Knowledge of extraction techniques also with supercritical solvents of organic molecules applied to natural materials;
- Knowledge of techniques for the characterization of organic compounds;
- Knowledge of extraction techniques in continuously operating plants;
- Assessment of the knowledge of the Italian language for foreign candidates;
- Assessment of knowledge of the foreign language English.

Dipartimento di Scienze Molecolari e Nanosistemi - Mestre-Venezia

[link]
Information and contacts
Candidates may find further details about the application process and the research project in the official call published on the following (link).
For further information please contact DSMN - Research Sector, tel.041-2348699/8633 email: ricerca.dsmn@unive.it

Venice, August 25th 2021

Il Direttore del Dipartimento di
Scienze Molecolari e Nanosistemi
Prof. Pietro Riello
digitally signed ex art.24 Dlgs 82/2005 (CAD) e ss.mm.ii.

VISTO
La responsabile del procedimento
La Segretaria del Dipartimento di Scienze Molecolari e Nanosistemi
Sonia Barizza: barizza@unive.it
Telefono: 041-2348535 fax 041-2348517