

Decreto del Direttore del Dipartimento di Scienze Molecolari e Nanosistemi 2022

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 reference to the research project entitled **“Development and Recycling of personal protective equipment for cycrcular economy industry”**, funded by the project titled “ECOdesign e riciclo di DPI in una filiera industriale circolare – EcoDPI” funding of Call "sostegno a progetti di Ricerca e Sviluppo realizzati dalle Reti Innovative Regionali e dai Distretti Industriali - ASSE 1 “RICERCA, SVILUPPO TECNOLOGICO E INNOVAZIONE” - AZIONE 1.1.4 “Sostegno alle attività collaborative di R&S per lo sviluppo di nuove tecnologie sostenibili, di nuovi prodotti e servizi” DGR n. 822 of June 23rd2020, CUP B16B20000480009.

Title: “Development and Recycling of personal protective equipment for cycrcular economy industry”

SSD: CHIM/04

Coordinator and Tutor: Dott.ssa Valentina Beghetto

Duration: 12 months

Abstract:

The activity of the research fellow will concern for the duration of the project "ECOdesign and recycling of PPE in a circular industrial chain - EcoDPI", which expires on 12/31/2022, the activities related to the implementation of the project same.

The project intends to evaluate the feasibility of developing new techniques for the recovery and recycling of PPE, together with the identification of new materials suitable for the purpose. In this context, the project will concern the study for the modification of products / processes for the development of recyclable products, design and development of techniques for the collection, selection, separation and reuse / recycling of end-of-life products.

Specifically, the research fellow will be employed to carry out the following activities:

WP: WP-RI-3 Product modification:

task 10 - Product ecodesign and prototyping

task 11 - Recyclability of the entire product (on product prototypes)

task 12 - Characterization of recycled materials

task 13 - PPE validation and testing

In the period following the expiry of the "ECO design and recycling of PPE in a circular industrial supply chain - EcoDPI" project, the research fellow's activity will concern:

Activities related to the project that allow the products developed during the project to be brought to the market. In particular, the research fellow will support the partner companies of the project for the prototyping of the production of new active ingredients for the sanitization of surfaces.

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 master's in **Sustainable Chemistry and Technologies** and professional scientific curriculum suitable for carrying out research activities.

Will be considered preferential titles:

- holding a PhD;
- having completed the attendance of a PhD programme, although not having yet obtained the PhD title;
- 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;
- work experiences in private or public sectors relating to the recovery and re-valorisation of waste;
- At least one publication concerning the sector of organic products or natural synthetic polymers.

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.

Duration of contract: 12 months approximately starting: **April 2022**

Stipend: The research fellowship amounts to 19.367,00 Euros per year, including taxes and social charges.

Deadline for submission of applications: 06/04/2022 at 12.00 noon.

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 Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;

6. any signed reference letters (maximum two);
7. dated and signed list of exams taken in the master's / specialist degree with relative marks and indication of any exams taken in the doctorate.
8. 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](#))

Or submit here:

<https://apps.unive.it/domandeconcorso-en/accesso/dsmn-ecodpi-2022>

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 **06/04/2022 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 April 12th 2022 at 11:30 a.m. (italian time)

Presso il Dipartimento di Scienze Molecolari e Nanosistemi,

Edificio Alfa, 5 piano Ufficio 512

Via Torino, 155 -30172 Mestre-Venezia

The list of candidates admitted to the interview will be published on April 8th 2022, on the University web page ([Link](#))

Topics of the interview:

- Verification of the candidate's knowledge regarding:
- Chemistry of materials and recovery / recycling techniques;
- Materials characterization techniques;
- Principles of circular economy and process / product eco-design;
- assessment of the Italian language for foreign candidates;
- assessment of the foreign language English.

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, 22/03/2022

The Vice Director of the Department of
Molecular Sciences and Nanosystems
prof. Salvatore Daniele
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