Decreti - DSMN N. 907/2026 Prot. n. 0253410 del 23/10/2026

Università Ca' Foscari Venezia
Dipartimento di Scienze Molecolari e Nanosistemi

Università Ca' Foscari Venezia
Campus Scientifico – Via Torino 155, 30170 Mestre (VE)
P.IVA 00816350276 - CF 80007720271
www.unive.it/dsmn

Call for n. 2 (two) Short Research Fellowships - Ca' Foscari University of Venice– Department of Molecular Sciences and Nanosystems

HAVING REGARD TO the Article 18, paragraph 5, letter f) of Law No. 240 of December 30, 2010, and subsequent amendments and integrations;

HAVING REGARD TO the Article 21 quinquies of Law No. 241 of August 7, 1990, and subsequent amendments and integrations;

HAVING REGARD TO Article 1 bis, paragraph 2, of Decree-Law No. 45 of April 7, 2025, as amended during conversion by Law No. 79 of June 5, 2025, which came into force on June 7, 2025, and which, in Article 4, paragraph 3, of Law No. 210 of July 3, 1998, abolished the subsidized tax regime for short-term research fellowships post-graduation, establishing the application of IRPEF and IRAP taxes on such short-term research fellowships;

RECALLED the Regulation for the establishment of short-term research fellowships for post-graduate activities pursuant to Article 18 of Law No. 240 of December 30, 2010, issued with Rectoral Decree No. 300/2014 of April 14, 2014, and subsequent amendments and integrations;

HAVING REGARD TO the request of Professor Alberto Vomiero and Professor Elisa Moretti to activate 2 (two) 4-month short-term research fellowships in relation to the project "Free-Rock - Formaldehyde-free rock wool from debris: a transformative, clean, and energy-efficient industrial production process for the EU and Italian systems", code FISA-2023-00328, CUP H73C25000340006, Principal Investigator Professor A. Vomiero, call: "Fondo Italiano per le Scienze Applicate (FISA) 2023";

WHEREAS the tax treatment of short-term research fellowships is subject to the legislation in force at the time of granting. Even if not expressly referred to in this notice, the applicable tax regime will be that provided for by current legislation pro tempore

The present document in English is to be considered as a mere translation of the provisions of the call which is available in Italian at the following *link https://www.unive.it/data/28824/* . 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.

The Department of Molecular Sciences and Nanosystems of Ca' Foscari University of Venice, according to the Decree of the Departmental Director Rep.895/2026 Prot. 252465 del 22/10/2026, which establishes the awarding of 2 (two) short-term research fellowships in relation to the project "Free-Rock - Formaldehyde-free rock wool from debris: a transformative, clean, and energy-efficient industrial production process for the EU and Italian systems", code FISA-2023-00328, CUP H73C25000340006, Principal Investigator Professor A. Vomiero, call: "Fondo Italiano per le Scienze Applicate (FISA) 2023", invites applications for:

Fellowship 1:

Title: **Synthesis of nanostructured materials for energy applications**

Duration: 4 months

Tutor: Professors Alberto Vomiero and Elisa Moretti

Abstract: The research fellow will conduct research on the synthesis of nanostructured materials for energy applications. Specifically, they will identify—including through a review of the scientific literature—two types of inorganic and/or hybrid materials that show promise for the application addressed by the FISA project. They will then synthesize these materials on a laboratory scale and evaluate their characteristics in relation to the properties required for this application.

The research activity will include:

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• identification and selection of two types of nanostructured materials with potential for the energy application in question;
• synthesis of the selected materials using bottom-up laboratory procedures with a low environmental impact, including the optimization of key preparation parameters;
• analysis and organization of experimental results, and preparation of a final report on the work carried out.

Fellowship 2:

Title: **Characterization of nanostructured materials for energy applications**

Duration: 4 months

Tutor: Professors Alberto Vomiero and Elisa Moretti

Abstract: The research fellow will conduct research aimed at characterizing the nanostructured materials selected within the FISA project, in coordination with the synthesis activity planned for Fellowship 1. In the first phase, the fellow will identify, through a review of the scientific literature and in consultation with the tutors, the most promising types of materials for the energy application under consideration. Subsequently, the fellow will analyze the available samples to determine their chemical and physical characteristics and preliminarily evaluate their properties relevant to the application.

The research activity will include:

• literature review and identification of the most promising nanostructured materials, with particular reference to the types selected for synthesis under Fellowship 1;
• morphological and structural characterization of the selected samples to determine their morphology, dimensions, and structural organization;
• analysis of the composition and physicochemical properties of the materials, including through the use of available spectroscopic and optical techniques;
• preliminary assessment of the thermal properties of the materials;
• analysis and organization of experimental results, and preparation of a final report on the work carried out.

The Fellowships are scheduled to begin in November 2026.

The amount of the short-term research fellowship is equal to € 1.670,00 per month (gross amount for the recipient) and will be subject to taxation according to current regulations. It will be paid in bimonthly instalments after certification of the regular performance of the activity.

Deadline for the applications: 10th of November 2026 at 12 pm, Rome CET, noon time.

In the day of the deadline is on a Saturday, Sunday or on a public holiday, the deadline will be extended to the first working day thereafter.

Rules of eligibility – Beneficiaries:

Citizens belonging to European Union member states and non-community citizens in possession of the following qualifications may take part in the selection:

Master's Degree in Chemical Sciences, Physical Sciences, Materials Science, Sciences and Technologies for Bio- and Nanomaterials, and related fields

Applicants must hold all the requirements within the call deadline. The qualifications will be evaluated by a Commission that will examine the eligibility and the qualifications of the candidates.

Skills required

Fellowship 1

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- expertise in the preparation of nanostructured materials and composites using bottom-up synthetic approaches (preferred);
- expertise in the application of key morphological and structural characterization techniques for nanomaterials;
- proficiency in the use of specialized software for the analysis of experimental data;
- ability to draft technical-scientific reports and scientific papers;
- knowledge of the English language.

Fellowship 2

- proficiency in applying the main techniques for the morphological, structural, optical, and thermal characterization of nanomaterials (desirable);
- experience in the application of nanostructured materials for thermal insulation;
- proficiency in using specialized software for the analysis of experimental data;
- ability to draft technical-scientific reports and scientific papers;
- knowledge of the English language.

Qualifications considered for both fellowships

- relevance of the bachelor's and master's degree theses;
- scientific publications;
- national and international collaborations;
- previous fellowships and research contracts.

Incompatibility

The short-term research fellowship must not overlap with:

- other short-term research fellowships granted in any capacity, apart from those granted by national or foreign research institutes in order to integrate with periods abroad the specific activity foreseen by the work plan of the appointed fellow;
- attendance of PhD courses with short-term research fellowship and/or medical specialization, in Italy and abroad;
- research grants/contracts (Contratti di ricerca, Incarichi di ricerca, Incarichi post-doc)

Short-term Research Fellows may carry out self-employed work or occasional or permanent collaborations, as long as this is coherent with the ongoing research, upon approval and on the condition that:
- does not involve a conflict of interest with the specific research activity carried out;
- does not prejudice the University in relation to the activities carried out.
Subordinate employment contracts holders, in addition to obtaining permission by the University, must provide the authorization of their employer.
In the specific case that the subordinate employment contract started prior to the awarding of the fellowship, compatibility with the existing employment will have to be assessed. If the assessment yields a negative result, the Short-term Research Fellowship will not be awarded; in the case of a positive result, the successful candidate will have to provide the authorization of his/her employer within 15 days.
In the event that the subordinate employment contract will start once the fellowship is ongoing, the successful applicant is required to notify this change at least 30 days before the start of the employment contract for an assessment of compatibility; if the assessment is negative, the fellowship will cease by the start of the employment contract; in the event of a positive outcome, the successful applicant must provide the authorization of his/her employer within 15 days.

The awarding of the short-term research fellowship does not imply the establishment of any employment contract, nor does it give rise to any rights of access to positions of employment at the University.

How to apply

Candidates must submit:
1. The application form;
2. Applicants must declare in the application, under their own responsibility:

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- educational qualification held;
- the possession of a residence permit valid at the deadline of the call for applications, in case he/she is a non-European citizen residing in Italy;
- that they understand that the short-term research fellowship is not compatible with the positions referred to in Art. 12 of the present Regulations and current legislation;
- to be medically fit to discharge his/her duties for the fellowship;
- not to have received measures restricting personal freedom at the time of submitting the application;
- not to have a degree of kinship or affinity, up to and including the fourth degree, with any professor belonging to the department or facility issuing the call or with the Rector, the General Manager or a member of the University Board of Directors and that they are aware of the provisions of the Law no 240/2010, Art. 18, para. 1, letter b);
- any benefit under L. 104/92.

3. A CV in European format, duly dated and signed.
4. A copy of a valid identity document (e.g., Identity Card or Passport).
5. All documents, qualifications and publications relevant for the selection procedure.

How to submit your application

Applications, together with all the required documentation, must be submitted exclusively online at the following webpage:

Italiano: https://apps.unive.it/domandeconcorso/accesso/dsmn-2borse-fisa

Inglese: https://apps.unive.it/domandeconcorso-en/accesso/dsmn-2borse-fisa

not later than 12 PM on November 10, 2026.

The candidate after the uploading of the documents will receive an e-mail with submission/reference number for the application. The candidate if necessary, could access the procedure for updating any data and materials through the link and submission number provided in the e-mail until the deadlin of the call.

Please note that the candidates can contact the University for any support needed until 24 hours prior to the deadline. For further information please contact the research office by e-mail or by phone (ricerca.dsmn@unive.it - 041 234 8633/8514).

Please note that in case of a 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 wait too long to start the process of uploading the documents and get too close to the deadline.

Incomplete applications, those without the required data and the compulsory attachments will not be taken into consideration. Furthermore, the applications which, for any reason, reach this University beyond the deadline indicated above cannot be accepted.

The declarations made in the application shall be considered issued in accordance with the DPR no. 445/2000 and subsequent amendments, by candidates entitled to use the simplified administrative certifications permitted by the above decree.

Selection and Evaluation Procedure

The selection is made by assessment of the scientific-professional qualifications and CV of the candidates, by an Examining Commission appointed by the Director of the research department taking into account, whereas possible, gender balance.
The Commission will make a ranking and appoint the winning applicant, having regard to the score appointed to experience and qualifications, interview and any other test, as specified by the call. In the event of two or more candidates obtaining the same score at the end of the selection, the younger candidate will be preferred.

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Awarding of the Short-term Research Fellowship

Having received the selection documents and at the outcome of the selection, the Director approves with a Decree the ranking list and the selection procedure reports and makes them public.
All notifications, including the start date of the short-term research fellowship, will be sent to the winning candidate via e-mail.
The winner must accept the short-term research fellowship within seven days of receiving the written notification under penalty of revocation. In the event of withdrawal, the short-term research fellowship shall be awarded to the next available candidate, following the order of the final ranking of merit.
Publication of the results of all the selection phases shall be published in the online University notice board, on the Department web page (https://www.unive.it/data/29524/) and on the University website (https://www.unive.it/data/28824/).
Access to the selection documents is guaranteed by the law 241 of August 7, 1990 and subsequent amendments and additions and relative internal implementation regulation.

Processing of personal data

Personal data provided by the candidates in their applications for the participation in the selection procedures, are processed pursuant to the legislative decree of June 30th 2003, no. 196 and subsequent amendments and additions and to EU Regulations 2016/679. Comprehensive information on personal data processing can be found here.

Person in charge of the procedure

Pursuant to the provisions of art. 5 of the law 241 of August 7, 1990 and subsequent amendments and additions, the person in charge of the administrative procedure for this selection is Sonia Barizza, head of the Secretary of the Department.

Final provisions

For anything not specified in this call, see the University current Regulation regarding the awarding for Short-term Research Fellowship and the current legislation.

Venice,

The Head of the Department
Professor Pietro Riello

Person responsible for administrative procedure
The Secretary of Department: Mrs. Sonia Barizza

Firmato digitalmente da Pietro Riello
Data: 23.10.2026 15:12:03 CEST
Organizzazione: UNIVERSITA' DEGLI STUDI DI VENEZIA/00816350276