

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

(L. 240 del December 30th 2010, art. 18, DL 19/2012; Regulations about Short Research fellowships issued under D.R. 300/2014 of 14/04/2014 and subsequent amendments and additions)

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](#). 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, having regard to the resolution of the Department Decree Rep. N. 228/2025 prot. n. 77314 of 10/03/2025 establishing the research programs for awarding of n. 2 short fellowships grants titled "Nanostructured materials based on engineered titania for energy and environmental applications" (Research Grant No. 1), and "Nanostructured materials based on engineered titania thin films for energy and environmental applications" (Research Grant No. 2), SSD: CHEM/03 and IMAT-01/A, Scientific Coordinator and Tutor Prof. Elisa Moretti and prof. Alberto Vomiero, in reference to the project "NANOPLUS - Nanostructured photo/electro composites for the production of H₂ and high added value chemicals through water splitting and CO₂ reduction", PNRR Cascade call Spoke 9 PR00000021, responsible Prof. Moretti Elisa", acronym "SMN. MICROALPS_INTERREG_ITALIA-AUSTRIA", CUP: B53C22004060006., with the possibility of renewal within the limits of art. 4 of the Regulations for awarding of university short research fellowships.

The expected starting date is April 2025.

The research fellowship is awarded for the purpose of collaboration with the following research programme of the Department of Nanosystems and Molecular Sciences.

Abstract:

The project aims to develop innovative nanostructured materials based on titania with controlled morphology (in the form of powders) and carbon dots and to develop innovative nanostructured materials based on titania with controlled morphology (thin films) and carbon dots, through the engineering of the electronic structure of the semiconductor, for different electro/photo-applications, including photo/electrocatalytic hydrogen production.

The research fellowships amount to Euro 9.600,00 each, gross to the recipient.

Deadline: not later than noon time (12:00 Rome CET) of **25/03/2025**

Rules of eligibility - Beneficiaries.

People with a master's degree (or equivalent) in **Physics, Materials Science and related** and an adequate scientific and professional cv are eligible.

Applicants must hold all the requisites within the call deadline. The qualifications will be evaluated by a Commission that examines the eligibility and qualifications of the candidates and makes a merit rank of them.

Possible assessable qualifications:

- a) experience in the synthesis of nanostructured inorganic materials in the form of powder;
- b) experience in the synthesis of nanostructured inorganic materials in the form of thin films;
- c) knowledge of the main techniques for chemical-physical and optical characterization of nanomaterials;
- d) expertise in methods for the photo/electrocatalytic production of hydrogen and other energy and environmental applications.

Incompatibility

The short-term research fellowship may not overlap with:

- other scholarships 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 scholarship and medical specialization, in Italy and abroad;
- research grants “assegni di ricerca”
- subordinate employment relationships

Scholarship holders can carry out occasional work activities, upon written communication to the scientific manager and on the condition that:

- a) this activity is declared by the person in charge to be compatible with the pursuit of the research activity referred to in the scholarship;
- b) does not involve a conflict of interest with the specific research activity carried out;
- c) does not prejudice the university, in relation to the activities carried out.

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 should submit:

1. The application form (<http://www.unive.it/data/28900/>), duly dated and signed.
2. Applicants must declare in the application, under their own responsibility:
 - 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 (<http://www.unive.it/data/28900/>), 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, have to be submitted exclusively online at the following webpage:

<https://apps.unive.it/domandeconcorso-en/accesso/dsmn-nanoplus-borsa-1-2>

not later than noon time (12:00 Rome CET) on 25th March 2025.

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of their application. The candidate if necessary, could access the procedures for updating any data and materials through the link and submission number provided in the e-mail until the call deadline expires.

Please note that the University can be contacted for any support needs by the candidate 24 hours prior to the deadline. For further information please contact the Secretary of the Department of Molecular Sciences and Nanosystems - Research Office - n. 041-2348633 / 8514, e-mail: ricerca.dsmn@unive.it.

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 start the process 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 of applications is carried out by an examining commission, appointed pursuant to the University Regulations for the activation of scholarships for research activities art. 7, respecting, where possible, gender balance, based on qualifications and interview.

The Commission compiles a ranking and specifies the winning applicant, having regard to the score appointed to experience and qualifications, 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.

Awarding of the short research fellowship

Having received the selection documents, and at the outcome of the checks, the Director approves, by his own decree, the classification and the selection procedure reports and makes them public.

Notification, including the start date of the short-term research fellowship, shall be sent to the winning candidate.

The winner must accept the short-term research fellowship within seven days of receipt of the written notification referred to above, 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 specific Department web page ([link](#)) and on the University website ([link](#)).

Access to the selection documents is guaranteed pursuant to the law of August 7th, 1990, no. 241 and subsequent amendments and additions and relative internal implementation regulation.

Processing of personal data

Personal data provided by the candidates in their applications for 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 of August 7th, 1990, no. 241 and subsequent amendments and additions, the person in charge of the administrative procedure for this selection is Sonia Barizza, Secretary of the Department of Molecular Sciences and Nanosystems.

Final provisions

For anything not specified in this call, see the University's current regulations regarding the awarding for research fellowships and the current legislation.

Venice,

The Head of Department
of Molecular Sciences and Nanosystems
Prof. Maurizio Selva
Digitally Signed

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