



Dipartimento di Scienze Molecolari e Nanosistemi
Università Ca' Foscari Venezia
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Call for Applications for 1 Short-term Research Fellowship – Ca' Foscari University of Venice – Department of Molecular Sciences and Nanosystems

HAVING REGARD TO Article 18, paragraph 5, letter f) of Law No. 240 of December 30, 2010, as amended and supplemented;

HAVING REGARD TO Article 21-quinquies of Law No. 241 of August 7, 1990, as amended and supplemented;

TAKING INTO ACCOUNT 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No. 45 of April 7, 2025, as amended during conversion by Law No. 79 of June 5, 2025 (in force since June 7, 2025), has repealed the preferential tax regime for post-graduate research fellowships under Article 4, paragraph 3, of Law No. 210 of July 3, 1998, introducing IRPEF and IRAP taxation for said fellowships;

RECALLING the Regulation for the establishment of post-graduate research activity fellowships pursuant to Art. 18 of Law No. 240 of December 30, 2010, issued by Rectoral Decree No. 300/2014 of 14/04/2014, as amended and supplemented;

CONSIDERING that the tax treatment of research fellowships is subject to the legislation in force at the time of disbursement. Even if not expressly cited in this call, the applicable tax regime will be that provided for by the pro tempore legislation in force;

Description

The Department of Molecular Sciences and Nanosystems of Ca' Foscari University of Venice, under Director's Decree Rep. 814/2026 prot. 222242 of 18/09/2026 regarding the activation of a short-term research fellowship, invites applications for a 12-month short-time research fellowship entitled "Green Alkylation Reactions of Bio-based Aromatics", CUP: H73C26000930005, supervisor and tutor: Prof. Maurizio Selva

The fellow will carry out the following research activity:

The project will focus on studying environmentally-friendly reactions for the functionalization of bio-based aromatics, both in batch and continuous flow conditions. A detailed parametric analysis will be carried out using a library of catalysts with the aim of investigating their effect on the conversion and selectivity of the reactions studied. Isolation and structural characterization of the products using the main analytical/spectroscopic techniques will be an integral part of the work.

The research activity will include:

- Study of low environmental impact reactions for the functionalization of bio-based aromatics, both in batch and continuous flow conditions

- Parametric process analysis
- Isolation and characterization of the products

For anything not expressly provided for in this Call, reference is made to the University Regulation and current relevant legislation.

Duration of the fellowship: 12 months, starting tentatively from November 2026.

Amount: The fellowship amount is EURO 23.850,00 per year gross recipient (lordo percipiente) and will be subject to taxation according to current legislation. It will be paid in bi-monthly deferred installments upon certification of regular performance of the activity.

Application deadline: 09th October 2026 at 12:00 PM (Rome CET). If the deadline falls on a Saturday or a public holiday, it is extended to the next working day.

Eligibility Criteria (University Regulation for Research Fellowships, Art. 3)

Citizens of European Union Member States and non-EU citizens possessing the following qualification may apply:

Degree (Laurea) in Chemistry, Industrial Chemistry, or equivalent/related field.

Requirements must be held by the application deadline specified in this selection call. Candidates are admitted conditionally to the selection process. Exclusion from the selection due to lack of prescribed requirements may be ordered at any time, even after the selection procedure has taken place, by reasoned decree notified to the person concerned.

Required Skills

The candidate should have knowledge of:

- i) bio-based matrices from which bio-based aromatic compounds originate, and the structure and reactivity of these derivatives;
- ii) functionalization procedures of bio-based aromatics, with focus on the sustainability/circularity of the processes;
- iii) development and use of catalysts, preferably heterogeneous and recyclable systems;
- iv) advanced characterization techniques of organic molecules;
- v) development and implementation of synthetic methods in continuous flow;
- vi) good to excellent English language skills.

Preferential Qualifications / Evaluated Titles

PhD in Chemistry or expected to obtain a PhD in Chemistry during the year of the scholarship, preferably focused on Green Chemistry, Sustainable Chemistry, and bio-based products/materials areas, Scientific publications in international chemistry journals, preferably in Green Chemistry, Sustainable Chemistry, and bio-based products/materials areas, with peer review system .

Incompatibilities

The research fellowship is incompatible with:

- a) other scholarships/fellowships awarded for any reason, except those granted by national or foreign institutions useful for integrating the research activity of the fellow with stays abroad;
- b) attendance of Ph.D. courses with scholarship or medical specialization courses, in Italy or abroad;
- c) research grants (assegni di ricerca).

The fellowship holder may engage in self-employed work or occasional/continuous collaboration, compatible with the ongoing research activity and subject to prior authorization by the Department, provided that the activity:

- does not entail a conflict of interest with the specific research activity carried out by the fellow;
- does not cause detriment to the University.

Holders of subordinate employment relationships, in addition to Department authorization, must provide authorization from their employer. Specifically for holders of subordinate employment existing prior to the award of the fellowship, the Department will evaluate compatibility with the existing employment; if the evaluation is negative, the

fellowship will not be awarded. If positive, the winning candidate must provide employer authorization within 15 days.

If a subordinate employment relationship commences during the fellowship period, the fellow is required to report the changed status at least 30 days prior to the start of employment for compatibility evaluation by the Department. If the evaluation is negative, the fellowship will terminate upon the start of the employment; if positive, the winning candidate must submit employer authorization within 15 days.

The awarding of the fellowship does not constitute an employment contract, nor does it give rise to rights regarding access to university staff roles.

How to Apply

Candidates must submit:

- **1. Application Form:** The application form, in which candidates shall declare under their own responsibility:
 - the academic 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.
- **2. CV:** Dated and signed Curriculum Vitae in European format attached (or available online via link <http://www.unive.it/data/28900/>).
- **3. ID Document:** A photocopy of a valid identity document (Identity Card or Passport).
- **4. Additional Documents:** Any other document, qualification, or publication useful for the selection.

Submission Procedure

Applications must be submitted exclusively using the dedicated web procedure available at:
<https://apps.unive.it/domandeconcorso-en/accesso/dsmn-selva2026-mrg>

by 12:00 PM on 09th October 2026 After completing and submitting the application and relative documentation via the online system, candidates will receive a confirmation email with an application code. This code allows access to the system for any updates to data and materials up to the deadline of 09/10/2026 at 12:00 PM.

Please note that for support or technical clarifications, candidates may contact the Department exclusively up to 24 hours prior to the call deadline. For information regarding the procedure, candidates may contact the Department of Molecular Sciences and Nanosystems, email: ricerca.dsmn@unive.it, tel. +39 041 234 8633/8514.

Due to high candidate volume or large file uploads, the online system may experience slowdowns. Candidates are strongly advised not to initiate the application procedure close to the deadline.

Incomplete applications, applications missing mandatory signed attachments where required, or applications submitted after the above deadline for any reason will be deemed inadmissible and will not be considered.

Declarations made in the application and attachments are deemed released pursuant to Presidential Decree D.P.R. No. 445/2000 as amended, by candidates entitled to use administrative simplification forms permitted under said decree.

Selection Procedures and Evaluation Criteria

Candidate selection is performed based on qualifications and oral exam by an Examining Board appointed pursuant to Art. 7 of the Research Fellowship Regulations, respecting gender balance where possible.

The list of candidates admitted to the interview will be announced on the Department web page ([link](#)) and on the University website page at the link on 14TH October 2026

The interview will still be held on 21th October 2026 at 09:30 (CET Rome) at the link:

Video call link: <https://meet.google.com/ace-gbhb-ipv>

Or dial: (IT) +39 02 3046 1615 PIN: 908 516 208#

Other phone numbers: <https://tel.meet/ace-gbhb-ipv?pin=1547106281998>

Interview Topics:

1. Production, structure, reactivity, and functionalization of bio-based aromatic compounds
2. Sustainability/circularity of the processes referred to in point 1, also with reference to catalytic transformations based on heterogeneous systems and in continuous flow mode

The Examining Board has a total of 100 points available for evaluating qualifications and CV, will establish a final merit ranking based on awarded scores, and identify the winner. In case of equal scores, the youngest candidate will be selected.

The ranking will be used in order of formulation. In case of renunciation or non-acceptance within the terms communicated by the Department by the winning candidate, the fellowship will be assigned to the candidate in the next position of the final merit ranking, pursuant to University Regulations (Art. 8).

The Examining Board will forward the minutes of the selection process to the Department Director who, having verified legality of the proceedings, will approve them by decree and award the fellowship.

Awarding of short-term Fellowship

Upon receiving the selection records, the Department Director approves the ranking and minutes via decree and publishes them.

The Secretariat of the Department issuing the call will transmit formal communication to the winner indicating the start date of the fellowship.

Within seven days of receiving written communication, the winner must accept the fellowship under penalty of forfeiture. In case of renunciation, the fellowship will be assigned to the next candidate in the ranking.

Public notice of results for all selection phases is guaranteed via the University Online Official Notice Board (Albo online), the Department web page, and the University portal.

Access to selection documents is guaranteed pursuant to Law No. 241/1990 as amended and relative internal implementation regulations.

Processing of Personal Data

Personal data processing will be conducted in compliance with applicable national and EU regulations (Legislative Decree 196/2003 and EU Regulation 2016/679 - GDPR). The privacy policy information can be downloaded at: <https://www.unive.it/pag/36550/>.

Person in charge of the procedure

Pursuant to Art. 5 of Law No. 241 of 07/08/1990 as amended, the Administrative Procedure Manager for this selection is Sonia Barizza, Head of Secretary of the Department of Molecular Sciences and Nanosystems.

Final Provisions

For anything not expressly provided for in this Call, reference is made to the University Regulation and current governing legislation.

Venice,

The Head of Department
Prof. Maurizio Selva

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