Decree of the Rector n. 852 of 11/09/2023
Competition for awarding 1 research grant at the University of Udine

DISCLAIMER:
The official and legally binding call for applications is in Italian only. This document cannot be used for legal purposes and is only meant to provide information in English on the call for applications (Decree of the Rector n. 852 of 11/09/2023). Please refer to the official call published on: https://www.uniud.it/it/albo-ufficiale

Any change and integration will be made available on the above mentioned web page. Therefore, no personal written communication regarding the examination date and/or competition results shall be provided to applicants.

Annex 1

Competition announcement for the assignment of 1 research grant at the University of Udine, entitled “Evaluation of sanitary, yield and quality performance of disease resistant grapevine varieties” SSD: AGR/03 (principal investigator, Paolo Sivilotti)

Art. 1
A selection procedure is hereby launched for the award of 1 research grant at the University of Udine, as identified in Attachment A which constitutes an integral part of the present announcement. The research grant is linked to the research project and is subject and conditioned upon the relative funding. The fellowship may be renewed, in compliance with Art. 22, Law No. 240 of 30 December 2010 (as in the text in force before the implementation of the Conversion Law of the D.L. 36/2022, L. 79/2022), Law No. 11 of 27 February 2015, and the current regulations of the University of Udine for awarding research grants, issued with the Rector’s Decree No. 182 of 31 March 2021. The renewal is subject to the scientific coordinator’s positive assessment of the researcher’s activities, an adequate scientific rationale, and a corresponding financial covering.

The research fellowship does not give rise to any right with regards to accessing University posts.

Any personal communication to candidates related to this selection will be sent exclusively to the email address indicated when registering for the selection, as mentioned in Art. 5.

Art. 2
The research grant described in this competition announcement and the required qualifications to apply for the position are identified in Attachment A. The lack of the admission requirements leads to the automatic exclusion from the competition procedure.

Possession of a PhD or equivalent degree obtained abroad or, only for the interested areas, of a medical specialization accompanied by an adequate scientific production, constitutes a preferential qualification for awarding the research fellowship of this selection, if it has not been provided as a mandatory requirement.

For the only purpose of the admission to the competition, the Examining Board (Art. 7) shall assess the equivalence of the qualification obtained abroad, except for the evaluation of the medical specialization.
qualification to which Article 38 of the Legislative Decree 165/2001 and subsequent modifications and additions, and EU regulations on the matter, shall be applied.

The Examining Board will proceed to the evaluation of the qualification obtained abroad according to the documentation attached to the application form. The Examining Board may exclude the candidate if the submitted documentation does not provide sufficient information for the assessment. Therefore, applicants must enclose all the documentation in their possession relating to their qualification in order to provide the Examining Board with sufficient information for assessment.

Candidates holding a qualification issued by a European Research Area country, if successful, must submit, if not already attached to the application form one of the following options:
- Supplement Diploma in English issued by the competent University.
- CIMEA Certificate of comparability of the foreign qualification, issued by CIMEA (Information Centre on Academic Mobility and Equivalence) via the "diplome" service at https://cimea.diplo-me.eu/udine/#/auth/login

Candidates holding a qualification issued by a non-European Research Area country, if successful, must submit, if not already attached to the application form one of the following options:
- Declaration of the on-site value of the qualification and the certificate relating to the degree with examinations and grades. A certificate in a language other than Italian or English must be accompanied by an official translation into one of these languages (certified by the competent diplomatic-consular authority or certified by a court in Italy).
- CIMEA Certificate of comparability of the foreign qualification, issued by CIMEA (Information Centre on Academic Mobility and Equivalence) via the "diplome" service at https://cimea.diplo-me.eu/udine/#/auth/login

If the Supplement Diploma or the statement/attestation of comparability are not available when signing the contract, the applicant must demonstrate that he/she has requested the documentation and submit it as soon as possible.

Any exclusion from the selection procedure due to lack of eligibility requirements, absence of required documents, failure to sign the selection application or submission of the selection application in a manner different from what is provided for in this call for applications will be communicated to applicants exclusively at the email address indicated in the application form.

Art. 3

The research grant referred to in this call for applications cannot be awarded:

a. to employees of Universities and the entities referred to in Article 22, section 1, of Italian Law no. 240 of 30 December 2010 (in the text prior to the reform introduced by Law no. 79 of 29 June 2022);

b. to those who have already been awarded research grants pursuant to Italian Law no. 240 of 30 December 2010 (prior to the reform introduced by Law no. 79 of 29 June 2022) for the maximum period provided by law, even if not continuously, excluding the period in which the grant was used in conjunction with the doctorate, up to the legal term of the relative course;

c. to those who have already benefited from research grants and fixed-term researcher contracts provided for, respectively, in Articles 22 and 24 of Italian Law no. 240 of 30 December 2010 (in the text prior to the reform introduced by Law no. 79 of 29 June 2022), for a total of 12 years, even if not consecutive;

d. to anyone who has a degree of kinship or affinity, up to and including the fourth degree, with:
   - the Rector, the Director General or a member of the Board of Directors of the University of Udine;
- the scientific supervisor or a professor/researcher belonging to the department or organisation hosting the research grant in question.

The research grant provided for in this call for applications cannot be combined:

a) with scholarships of any kind, except for those granted by Italian or foreign institutions to supplement, by means of stays abroad, the fellow's training or research activities;
b) with other research grants;
c) with an employment relationship, even if part-time, without prejudice to the relevant provisions for employees of public administrations.

The grant awarded under this call for applications is also incompatible with simultaneous attendance at university degree courses, either Bachelor's degree or Master's degree courses, research Doctorates with scholarships and medical specializations, in Italy or abroad.

**Art. 4**

Applicants must enclose with their application, under penalty of exclusion, the following documents:

a) their professional scientific CV, highlighting the candidate's aptitude for carrying out and implementing the research project (Attachment A);
b) their identity card, their passport or any other identification document;¹

c) (for candidates with a foreign qualification only) certification or self-certification of both the academic qualification required for the admission to the selection, and of the exams (with evaluation) taken during the period of study abroad, and of any other document that can be useful to the evaluation of the degree by the Examining Board.

Applicants can attach to the application, publications and any other certification considered useful to demonstrate the qualification based on the research program (Attachment A) and to certify any research activity accomplished at public or private institutes (indicating the starting and ending date and the duration).

The documents and qualifications mentioned above must be submitted in Italian or English. Those that are not as requested will not be evaluated. Documents originally written in a language other than Italian or English must come with a translation in Italian or English, that the candidate will do on its own responsibility. The translation can be an abstract concerning the thesis.

Italian and Community candidates wishing to submit qualifications referring to conditions and facts attested by Public Administrations must proceed exclusively with self-certification.

Non-EU citizens legally residing in Italy may self-certify only data that can be verified or certified by Italian public bodies. They may also use declarations in lieu when provided for by an international convention between Italy and the declarant's country of origin.

Non-EU citizens not residing in Italy cannot self-certify.

Only the qualifications possessed by the candidate on the date the application form is submitted and submitted in accordance with the procedures set out in Article 5 will be assessed.

Failure to submit mandatory documents provided for in this article will constitute grounds for exclusion from the selection.

¹ Please be aware that the residence permit is not an identification document.
Art. 5
The submission of the applications for the present call starts on September 21, 2023 at 2:00 pm (Italian time) and ends on October 20, 2023 at 2:00 pm (Italian time).

The application to take part in the selection must be completed, under penalty of exclusion, using the appropriate online procedure, available at the link https://pica.cineca.it/. The procedure involves an applicant registration step, for those who do not already have an account, and then an application completion step.

Once completed, the online application must be signed in the manner described in the online procedure (manual signature with attached identity document or digital signature), under penalty of exclusion from selection. The application does not have to be signed if you access the above-mentioned online procedure using your SPID ID.

The qualifications referred to in Article 4 must be attached to the application in .pdf format. Individual .pdf files may not exceed 30MB.

The application for participation in the selection is automatically sent to the University of Udine with the definitive closing of the online procedure.

The University Administration:
- is not responsible if it is impossible to read the submitted documentation in electronic format due to damaged files;
- shall not accept or take into consideration qualifications or documents received in paper form or by any means other than what is specified in this article.

Reference to documents or publications already submitted in connection with other competitions is not allowed.

The Administration is not responsible for any missing document or communication because of inaccurate indication of residence and/or address submitted by the candidate during the application. Also, the Administration is not responsible if the candidate has not communicated changes in this information, or has communicated them too late. The Administration is also not responsible for any postal or telegraphic problems not attributable to the Administration itself.

Applicants are advised not to wait until the last few days before the closing date to submit their application. The University accepts no responsibility for any malfunctions due to technical problems and/or overloading of the communication line and/or application systems.

Art. 6
The selection procedure is held in accordance with the modality indicated in Attachment A.

The test will aim to assess the general preparation, experience and aptitude for research of the candidate. It will consist in the evaluation of the professional scientific curriculum, of the publications and qualifications presented, and of the interview, where foreseen.

Art. 7
The Examining board for the competition is identified in Attachment A of the present competition announcement, of which it is an integral part.
At its first meeting, the Examining board shall appoint its President and Secretary, and establish the criteria and methods for evaluating the qualifications and the interview, where foreseen.

The results of the qualifications assessment must be disclosed to applicants during the interview, where foreseen.

The Examining board can award a maximum of 100 points (one hundred out of one hundred) to the selection.

At the end of the evaluation procedure, the Examining board shall formulate the general merit list based on the overall score of each candidate, and draw up the minutes of the whole competition procedure.

Based on the ranking list, the assignment is awarded to candidates who have obtained a minimum overall score of 70/100 (seventy out of one hundred).

The Examining board's judgement is final.

The ranking list will be made public exclusively through publication on the University's official website.

Applicants will not be notified of the outcome of the evaluation.

Those who do not declare their acceptance of the research grant and do not present themselves at the research centre within the deadline communicated by the latter, even if not formally, shall lose the right to receive it. Exceptions to this term will only be granted in cases of documented force majeure.

Art. 8

The research activity cannot be started before signing the contract defining the terms and conditions of the collaboration.

The activity covered by the research grant must have the following characteristics:

a) it must be carried out as part of the research programme covered by the grant and not be a merely technical support to it;

b) it must have a close connection with the realization of the research program for which the winner of the grant has been awarded the contract;

c) it must be continuous and, in any case, temporally defined, not merely occasional, and in coordination with the overall activity of the University;

d) it must be carried out autonomously, solely within the limits of the programme prepared by the programme supervisor, without predetermined working hours.

The researcher is required to submit a detailed written report on the work carried out and the results achieved, accompanied by the opinion of the scientific supervisor, to the reference organisation at the intervals set out in the contract. The researcher must also submit interim reports and timesheets, if requested by the reference organisation.

Either the fellow or the reference organisation may withdraw from the contract.

The reference organisation may terminate the contract not only in the cases referred to in Article 9, sections 2 and 3, of the "Internal rules for awarding research grants pursuant to law 240 of 30 December 2010" of the University of Udine, but also in the event the research project and therefore the financial coverage on which the research grant is based cease to exist.
Art. 9

The following legal dispositions shall apply to the grant referred to in this call for applications:
- for tax matters, the provisions of Article 4 of Italian Law no. 476 of 13 August 1984, as subsequently amended and supplemented;
- for social security matters, the provisions of Article 2(26) et seq. of Italian Law no. 335 of 8 August 1995, as subsequently amended and supplemented;
- for mandatory maternity leave, the provisions of the Italian Ministerial Decree of 12 July 2007;
- with regard to sick leave, the provisions of Article 1(788) of Italian Law no. 296 of 27 December 2006 and subsequent amendments.

During the period of mandatory maternity leave, the allowance paid by INPS according to Art. 5 of the Italian Ministerial Decree of 12 July 2007 is supplemented by the University up to the full amount of the research grant.

The grant will be paid in monthly instalments.

Art. 10

The data collected as part of the procedure referred to in Art. 5 are necessary to properly manage the selection procedure, for any subsequent management of the research grant and for purposes related to managing services provided by the University. The University of Udine is the Data Controller. At any time, the data subject may request access, rectification and, depending on the University's institutional purposes, cancellation and restriction of processing or oppose the processing of their data. The data subject can always lodge a complaint with the Italian Data Protection Authority. The complete disclosure is available on the University of Udine website in the "Privacy" section, accessible from the home page www.uniud.it Direct Link: https://www.uniud.it/it/pagine-speciali/guida/privacy

Art. 11

For all matters not expressly mentioned in this call for applications, refer to the regulations in force on the subject cited in the introduction and to the "Internal rules for awarding research grants pursuant to Italian Law no. 240 of 30 December 2010" of the University of Udine, issued by Rector's Decree no. 182 of 31 March 2021.

Art. 12

The procedure supervisor is Dr Sandra Salvador, Head of the Research Services Area of the University of Udine.

The Responsible office at the University of Udine is "Area Servizi per la Ricerca - Ufficio Formazione per la Ricerca", via Mantica n. 31 - 33100 Udine, Italia.

To request information about the call for applications, please complete the following form available on the University of Udine website:
https://helpdesk.uniud.it/SubmitSR.jsp?type=req&accountId=universityofudine&populateSR_id=42105
Le principali malattie fungine che colpiscono la vite in Europa sono peronospora e oidio, causate rispettivamente dai patogeni *Plasmopara viticola* ed *Erysiphe necator*. Per il controllo di queste e altre malattie, la viticoltura europea, che interessa circa il 3% della superficie agricola, impiega 62.000 t/anno di fungicidi, pari al 65% di tutti i fungicidi usati in agricoltura (EUROSTAT 2007). Questi numeri mettono in luce il livello di pressione ambientale causato dal ricorso ai mezzi chimici per la difesa delle varietà tradizionali di vite. Le varietà resistenti a peronospora, prodotte con metodi convenzionali di ibridazione e senza fare ricorso a tecnologie di ingegneria genetica, derivano necessariamente da incroci in cui il donatore della resistenza è una vite di origine asiatica o nord-americana, appartenente dal punto di vista tassonomico ad una specie diversa dalla *Vitis vinifera*, ma interfertile con questa. Dalla seconda metà dell’800, le specie americane *V. rupestris*, *V. riparia*, *V. cinerea*, *V. aestivalis*, *Muscadinia rotundifolia*, furono utilizzate per avviare i primi programmi di incrocio interspecifici che hanno portato alla creazione di ibridi di prima generazione, noti tra la fine dell’Ottocento e l’inizio del secolo scorso. In Italia la successiva attività di reincroce, che consisteva nell’incrociare nuovamente e ripetutamente l’ibrido con la *V. vinifera*, venne quasi subito abbandonata. Altri Paesi europei, come Francia, Germania, Austria, Ungheria, Jugoslavia e alcune repubbliche sovietiche, hanno perseverato su questa strada, ottenendo così, dopo più di un secolo di distanza e dopo numerose generazioni di re-incroce, nuove varietà, resistenti a malattie e con caratteri ampelografici indistinguibili dalle varietà di pure *V. vinifera*. Dai programmi di miglioramento genetico condotti in diversi stati della comunità europea, alcune varietà resistenti più interessanti dal punto di vista qualitativo sono state registrate per la coltivazione. In particolare in Italia a luglio 2013 sono iscritte nel Registro Nazionale italiano delle Varietà di Vite otto varietà di vite resistenti a peronospora e tolleranti a oidio. Tra le varietà a bacca bianca ci sono Bronner, Helios, Johanniter, e Solaris; mentre tra quelle a bacca rossa ci sono Cabernet Carbon, Caberner Cortis, Prior e Regent. Nel 2015, sono state registrate le prime 10 varietà di vite resistenti selezionate presso l’Università di Udine (Merlot Khantu e M. Khorus, Cabernet Volos...

L’obiettivo della ricerca sarà quindi la valutazione delle performance produttive delle diverse varietà, e delle caratteristiche qualitative attraverso microvinificazioni che verranno testate poi da un panel di degustazione. Per le varietà che risulteranno più promettenti, verrà richiesta inoltre la registrazione al Registro Nazionale delle Varietà di vite, nonché al registro regionale delle varietà adatte alla coltivazione.

Nello specifico le attività che l’assistenti dovrà seguire saranno: (1) monitoraggio dello stato sanitario e delle fasi fenologiche delle varietà di vite resistenti alle malattie in dimora nel vigneto sperimentale di Pozzuolo dei Friuli, ed elaborazione dei risultati a confronto con due varietà di riferimento della piattaforma ampelografica regionale; (2) raccolta di campioni di uve durante la maturazione ed elaborazione delle curve di maturazione analizzando sui mosti i parametri di maturità tecnologica (zuccheri, acidi titolabile e pH) al fine di dare un’indicazione sulla potenziale data di raccolta; (3) valutazione dei parametri produttivi (per ciascuna varietà verranno valutati numero grappoli e produzione pianta su almeno 10 piante per varietà), e i dati relativi al peso medio delle bacche e alla compattezza dei grappoli; (4) realizzazione di microvinificazioni (circa 30 litri) delle diverse varietà a confronto, analisi dei parametri chimici base dei vini, e organizzazione delle sessioni di valutazione sensoriale dei vini con panel composto da esperti di settore, tecnici ERSA, ricercatori e studenti; (5) redazione di un report con l’elaborazione dei dati raccolti alla fine di ogni anno.

Text in English:
The main fungal diseases affecting vines in Europe are downy mildew and powdery mildew, caused respectively by the pathogens Plasmopara viticola and Erysiphe necator. European viticulture occupies about 3% of the agricultural area, but pest management uses 62,000 tonnes/year of fungicides, ca 65% of all fungicides used in agriculture (EUROSTAT 2007). These numbers highlight the level of environmental pressure caused by the use of chemical means for the defense of traditional grape varieties. The varieties resistant to downy mildew, produced with conventional hybridization methods and without genetic engineering technologies, necessarily derive from crosses in which the donor of resistance is a vine of Asian or North American origin, belonging from the taxonomic point of view to a different species from Vitis vinifera, but interfertile with this one. From the second half of the 19th century, the American species V. rupestris, V. riparia, V. cinerea, V. aestivalis, Muscadina rotundifolia, were used to initiate the first interspecific crossbreeding programs that led to the creation of first generation hybrids, known between the end of the 19th century and the beginning of the last century. In Italy the subsequent backcrossing activity, which consisted of crossing the hybrid again and repeatedly with V. vinifera, was almost immediately abandoned. Other European countries, such as France, Germany, Austria, Hungary, Yugoslavia and some Soviet republics, have continued on this path, thus obtaining, after more than a century and after numerous generations of re-crossing, new varieties, resistant to diseases and with ampelographic characters indistinguishable from the pure V. vinifera varieties. From the genetic improvement programs carried out in different countries of the European community, some resistant varieties more interesting from a qualitative point of view have been registered for cultivation. In particular, in Italy in July 2013 eight vine varieties resistant to downy mildew and tolerant to powdery mildew were registered in the Italian National Register of Vine Varieties; among the white grape varieties Bronner, Helios, Johanniter, and Solaris, while among the red ones Cabernet Carbon, Cabernet Cortis, Prior and Regent. In 2015, the first 10 resistant vine
varieties selected at the University of Udine were registered (Merlot Khantus and M. Khorus, Cabernet Volos and C. Eidos, Fluertai, Soreli, Sauvignon Kretos, S. Nepis and S. Rytos), then followed by 4 more in 2020 (Pinot Iskra and P. Kors, Vulturis and Kersus). The genetic improvement programs of other European institutes in recent years have created a platform of varieties resistant to various diseases that still deserve to be evaluated for their eventual registration in the national register of vine varieties as well as in the regional register of varieties suitable for cultivation. Some varieties resistant to diseases from different European research institutes have been planted in an experimental vineyard built on the ERSA land in Pozzuolo del Friuli, with the aim of evaluating their effective resistance / tolerance to fungal diseases, as well as their productive and qualitative potential. Moreover, some autochthonous varieties of Friuli Venezia Giulia are getting the interest of many winegrowers from the region.

The research aims to evaluate the production performance of the different varieties, and the qualitative characteristics of micro-vinifications, which will be tested by a tasting panel. For the most promising varieties, registration in the National Register of Vine Varieties will also be required, as well as in the regional register of varieties suitable for cultivation.

Specifically, the research fellow must: (1) monitor the health status and phenological phases of the various disease-resistant vine varieties planted in the experimental vineyard of Pozzuolo del Friuli, and process the results in comparison with two reference varieties of the regional ampelographic platform; (2) collect grape samples during ripening and process ripening curves by analyzing the technological ripeness parameters (sugars, titratable acidity and pH) on the musts in order to give an indication of the potential harvest date; (3) evaluate the production parameters (for each variety the number of bunches and plant production on at least 10 plants per variety will be assessed), and the data relating to the average weight of the berries and the compactness of the bunches; (4) carry out micro-vinifications (about 30 liters) of the different varieties in comparison, analyze the basic chemical parameters of the wines, and organize the sensory evaluation sessions of the wines with a panel made up of sector experts, ERSA technicians, researchers and students; (5) at the end of each year it will have to process the data collected and draw up a report with the main results.

Struttura dell’Università di Udine presso la quale verrà sviluppata l’attività di ricerca / Department or other structure of the University of Udine where research activities will be carried out:

Dipartimento di Scienze Agroalimentari, Ambientali e Animali (DI4A) / Department of Agricultural, Food, Environmental and Animal Sciences

Importo dell’assegno di ricerca (al lordo oneri carico assegnista) / Total grant gross for the research fellowship:

€ 38.912,00

Durata dell’assegno di ricerca / Duration of the research fellowship “assegno di ricerca”:

24 mesi / months

Finanziamento / Financed by:

La copertura finanziaria graverà sul progetto / fondo:
- Fondo di ricerca libera del proponente prof. Paolo Sivilotti. Codice U-GOV: RICLIB_SIVILOTTI.
Requisiti di ammissione / Minimum qualifications necessary:

- Possesso del titolo di Dottore di ricerca o titolo equivalente conseguito all’estero;
- possesso di un curriculum scientifico professionale idoneo allo svolgimento dell’attività di ricerca contemplata.
- Research doctorate or equivalent qualification obtained abroad;
- professional scientific curriculum suitable for the research activity above mentioned.

Procedura selettiva / Competition procedure:

Valutazione per titoli e colloquio / Evaluation of titles and oral exam

I risultati della valutazione dei titoli saranno resi noti agli interessati nel corso del colloquio / The evaluation of the qualifications will be disclosed to candidates during the interview

<table>
<thead>
<tr>
<th>Calendario del colloquio / Calendar of the oral exam</th>
<th>Modalità / Modality</th>
<th>In presenza / On site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data / Date</td>
<td>7 novembre / November 2023</td>
<td></td>
</tr>
<tr>
<td>Ora / Time</td>
<td>11:00 / 11:00 am (Italian time)</td>
<td></td>
</tr>
<tr>
<td>Luogo / Place</td>
<td>Sala riunioni “Sala dei Cereali” (secondo piano) - Dipartimento di scienze agroalimentari, ambientali e animali (DI4A), Università degli Studi di Udine. via delle Scienze, 206 – 33100 Udine (UD)</td>
<td></td>
</tr>
</tbody>
</table>

Per sostenere il colloquio i candidati devono esibire un valido documento di riconoscimento. / Candidates must come to the interview with a valid identity document.

Eventuali variazioni saranno rese note esclusivamente mediante pubblicazione all’albo ufficiale on line dell’Ateneo / Any change will be made public solely through publication on the University web site http://web.uniud.it/ateneo/normativa/albo_ufficiale

Commissione giudicatrice / Examining Board:

<table>
<thead>
<tr>
<th>Nome e Cognome</th>
<th>Qualifica</th>
<th>SSD</th>
<th>Università</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Membri Effettivi / Permanent members</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachele Falchi</td>
<td>PA</td>
<td>AGR/03</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Guido Cipriani</td>
<td>PO</td>
<td>AGR/03</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Mirko Sodini</td>
<td>RTD</td>
<td>AGR/03</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td><strong>Membri Supplenti / Temporary members</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Giannina Vizzotto</td>
<td>PA</td>
<td>AGR/03</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Giorgio Alberti</td>
<td>PA</td>
<td>AGR/05</td>
<td>Università degli Studi di Udine</td>
</tr>
</tbody>
</table>