Decree of the Rector n. 1286 of 04/12/2023

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. 1286 of 04/12/2023). 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 Notice for the award of 1 research grant for carrying out research activities at the University of Udine on the following subject: “Mechanochemical synthesis of CeO2 based materials for selective CO2 capture and activation” SSD: ING-IND/27 (principal investigator, Sara Colussi).

Research fellowship financed with the resources of the research project titled “Interconnected Nord-Est Innovation Ecosystem” (INEST). Public call No. 3277 of 30/12/2021, PNRR M4C2 Inv. 1.5, CUP G23C22001130006.

Art. 1

A selection procedure is hereby announced for the award of 1 research grant at the University of Udine, as identified in Attachment A which constitutes an integral and substantial part of this call. The research grant is linked to the research project and is subject and conditioned upon the relative funding.

Specifically, the project is placed within the context of the Italian National Recovery and Resilience Plan (i.e., PNRR) – Mission 4: Education and research, Component 2: From research to business, Investment 1.5: Creating and strengthening "innovation ecosystems", building "local R&D leaders", funded by the EU-Next GenerationEU; Project: "Interconnected Nord-Est Innovation Ecosystem" (INEST), EGS00000043; Thematic area: Digital, Industry, Aerospace. CUP: G23C22001130006.

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 activities pertaining to this research fellowship will be monitored for compliance with the PNRR’s Do No Significant Harm principle (hereinafter DSNH), that is, they will not cause significant harm to the environment.
This call guarantees equal generational, gender and territorial opportunities.

The research findings resulting from the fellowship, as well as the related data, will be published in compliance with the Open Science and FAIR Data principles.

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

The signing of the contract is subject to the formalization of the agreement between the Hub and Spokes and between Spokes and Spokes’ Affiliates.

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

RESEARCH SERVICES AREA
Research Training Office
Department Head: Sandra Salvador
Procedure Supervisor: Sandra Salvador
Procedure Compiler: Francesca Mion
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 Bachelors, specialist or Masters, 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;

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

---

1 Please be aware that the residence permit is not an identification document.
evaluation) took 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.

Art. 5

The submission of the applications for the present call starts on December 14, 2023 at 2:00 pm (Italian time) and ends on February 2, 2024 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.

The signing of the contract is subject to the formalization of the agreement between the Hub and Spokes and between Spokes and Spokes' Affiliates.

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](http://www.uniud.it) Direct Link: [https://www.uniud.it/it/pagine-speciali/guida/privacy](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&accountld=universityofudine&populateSR_id=42105](https://helpdesk.uniud.it/SubmitSR.jsp?type=req&accountld=universityofudine&populateSR_id=42105)
Responsabile scientifico della ricerca / Principal investigator:

Nome e cognome / Name and surname: Sara Colussi
Qualifica / Position: Professoressa Associata / Associate Professor
Dipartimento / Department: Politecnico di Ingegneria e Architettura (DPIA) / Polytechnic of Engineering and Architecture
Area MUR / Research field: 09 - Ingegneria industriale e dell'informazione
Settore concorsuale e Settore scientifico disciplinare / Scientific sector: 09/D3; ING-IND/27 - Chimica industriale e tecnologica

Titolo dell’assegno di ricerca / Topic of the research fellowship “assegno di ricerca”:
I bandi sono consultabili dal sito dell’Ateneo, del MUR e di Euraxess / The calls are available on the University, MUR and Euraxess websites

Testo in italiano:
Sintesi meccanochimica di materiali a base di CeO2 per la cattura e attivazione selettiva di CO2.

Text in English:
Mechanochemical synthesis of CeO2 based materials for selective CO2 capture and activation.

Obiettivi previsti e risultati attesi del programma di ricerca in cui si colloca l’attività dell’assegno di ricerca / Foreseen objectives and results of the research programme performed by the research fellow “assegno di ricerca”:
I bandi sono consultabili dal sito dell’Ateneo, del MUR e di Euraxess / The calls are available on the University, MUR and Euraxess websites

Testo in italiano:
La cattura e l’attivazione della CO2, nel più ampio contesto delle tecnologie a zero emissioni di carbonio e dell’economia circolare, sta ricevendo ogni giorno sempre più attenzione da parte di ricercatori di diverse discipline. Infatti, per la cattura della CO2 vengono esplorate diverse soluzioni (mezzi liquidi e solidi, separazione mediante membrane, ecc.), mentre per quanto riguarda la sua attivazione chimica come fonte di carbonio da trasformare ulteriormente come punto di partenza per composti a valore aggiunto, i materiali foto- e termo-catalitici giocano un ruolo fondamentale. La CO2 richiede elevate energie di attivazione (ΔG = -394,4 kJ/mol) e la sua riduzione con idrogeno da fonti rinnovabili può portare a una varietà di prodotti a seconda del meccanismo di reazione (metano, metanolo, syngas, ecc.). In questo scenario, un catalizzatore efficiente dovrebbe essere in grado di attivare efficientemente la CO2 e di essere selettivo verso il prodotto desiderato. La ricerca attuale si sta concentrando su un’ampia gamma di materiali, tra i quali quelli a base di ossido di cerio danno risultati molto promettenti. In questo programma di ricerca si prevede di sfruttare la sintesi meccanochimica per sviluppare nuovi materiali a base di CeO2, anche sotto forma di ossidi misti, attivi e stabili per la riduzione della CO2 per ottenere in particolare metano (tramite la reazione di Sabatier) e syngas (tramite la reazione di reverse water-gas shift). In una seconda parte della ricerca, verrà esplorata anche la possibilità di accoppiare la cattura (adsorbimento) e la conversione della CO2 su un singolo materiale con doppia funzionalità. Il presente programma di ricerca si inserisce nel progetto Interconnected Nord-Est Innovation Ecosystem (iNEST) e nel tema di ricerca "Energy" dello Spoke 3. Il progetto si caratterizza per l’alto livello di innovazione e per l’elevata qualità del lavoro svolto. Il progetto è caratterizzato da un elevato livello di multidisciplinarietà e l’assegnoista, oltre a svolgere la propria attività di ricerca principale nell’ambito del tema di ricerca sopra citato, collaborerà con gli altri
ricercatori fornendo un supporto qualificato nell'interesse generale del progetto. Inoltre, in base alle esigenze del progetto PNRR che concede il finanziamento, l'assegnista potrà svolgere parte delle sue attività presso altre Università o istituzioni coinvolte nello stesso progetto. L'assegnista dovrà innanzitutto effettuare una ricerca dettagliata della letteratura per stabilire il background dell'attivazione della CO\textsubscript{2} su catalizzatori a base di CeO\textsubscript{2} e della preparazione di materiali a base di CeO\textsubscript{2} tramite la meccanochimica. Dopo questa fase preliminare, la ricerca procederà con la selezione delle condizioni ottimali di macinazione per la preparazione di ossidi misti di CeO\textsubscript{2} e per la deposizione del metallo attivo. Ni, Cu e Fe saranno considerati in via preferenziale, mentre l'utilizzo di metalli preziosi sarà limitato a cariche molto basse o preso in considerazione per impiegare come promotori in coppia con metalli di transizione meno costosi. L'assegnista caratterizzerà i catalizzatori preparati con tecniche convenzionali e avanzate per ottenere informazioni sulle loro proprietà structurali, morfologiche e redox. In particolare, verranno effettuate misure dell'area superficiale, del volume e delle dimensioni dei pori e analisi di diffrazione a raggi X, integrate da esperimenti di riduzione in temperatura programmata. L'analisi termogravimetrica sarà effettuata per monitorare la decomposizione dei sali precursori che possono essere utilizzati per la deposizione dei metalli sugli ossidi misti di CeO\textsubscript{2}. I materiali saranno poi caratterizzati mediante spettroscopia infrarossa e Raman per ottenere informazioni sulla loro struttura, in particolare sull'interazione metallo-supporto e sulla presenza di difetti, e sui gruppi funzionali superficiali. I test catalitici saranno condotti sui catalizzatori in polvere variando il rapporto CO\textsubscript{2}:H\textsubscript{2} per simulare diversi scenari e verificare l'effetto di questo parametro sulla selettività. I catalizzatori che mostreranno caratteristiche più promettenti, in termini di attività e selettività verso i prodotti desiderati, saranno ulteriormente studiati con test di stabilità per verificarne la resistenza al funzionamento a lungo termine e dopo un trattamento di invecchiamento che simulì le emissioni da processi ad alta intensità energetica. Questi materiali saranno presi in considerazione anche per l'adsorbimento e l'idrogenazione combinati di CO\textsubscript{2}, con esperimenti opportunamente progettati che prevedono fasi separate di adsorbimento e idrogenazione. Al termine del periodo di ricerca, si prevede di ottenere una conoscenza più approfondita delle proprietà che influenzano l'attività e la selettività dei materiali a base a CeO\textsubscript{2} per l'attivazione selettiva della CO\textsubscript{2}, consentendo di stabilire un background per lo sviluppo futuro dei materiali.

Text in English:

The capture and activation of CO\textsubscript{2}, in the broader context of net-zero carbon technologies and circular economy, is gaining everyday more and more attention from researchers of different disciplines. As a matter of fact, various solutions are explored for CO\textsubscript{2} capture (liquid and solid media, separation by membranes etc.), whereas when dealing with its chemical activation as a source of carbon to be further processed as building block for added value compounds, foto- and thermo-catalytic materials play a key role. CO\textsubscript{2} requires high activation energies (its \(\Delta G\) being ~394.4 kJ/mol), and its reduction with hydrogen from renewable sources can lead to a variety of products depending on the reaction pathway (methane, methanol, syngas, etc.). In this scenario, an efficient catalyst should be able to promptly activate CO\textsubscript{2} and selective towards the desired product. Current research is focusing on a wide portfolio of materials, among which ceria-based ones give very promising results. In this research program, it is expected to exploit the mechanochemical synthesis to develop novel ceria-based materials, also in the form of mixed oxides, active and stable for CO\textsubscript{2} reduction to give, in particular, methane (via Sabatier reaction) and syngas (via reverse water-gas shift reaction). In a second part of the research, the possible coupling of CO\textsubscript{2} capture (adsorption) and conversion on a single material with double functionality will be also explored. The present research program fits into the Interconnected Nord-Est Innovation Ecosystem (iINES) project and the “Energy” Research Topic of Spoke 3. The project is characterized by a high level of multidisciplinarity and the research fellow, beside carrying out their main research activity within the above-mentioned research theme, will collaborate with the other project research fellows supplying qualified support in the general interest of the project. Moreover, based on the needs of the PNRR project granting the funding, the research
fellow might undertake part of their activities at other Universities or Institutions involved within the same project. The research fellow will be firstly required to carry out a detailed literature search to establish the background for both CO₂ activation on ceria-based catalysts and CeO₂-based materials preparation by mechanochemistry. Following this preliminary step, the research will proceed by selecting the optimal milling conditions for the preparation of ceria mixed oxides and for the deposition of the active metal. Ni, Cu and Fe will be considered preferentially, and the utilization of precious metals will be limited to very low loadings or taken into account as promoters in tandem with less expensive transition metals. The research fellow will characterize the prepared catalysts with conventional and advanced techniques to get insights into their structural, morphological and redox properties. In particular, surface area and pore volume and size measurements together with x-ray diffraction analysis will be carried out, complemented by temperature programmed reduction experiments. Thermogravimetric analysis will be carried out to monitor the decomposition of precursor salts that can be used for metal deposition on ceria mixed oxides. The materials will then be characterized by infrared and Raman spectroscopy to get insights into their structure, in particular metal-support interaction and presence of defects, and surface functional groups. Catalytic tests will be carried out on catalysts in powder form by varying the CO₂:H₂ ratio to mimic different scenarios and to check the effect of this parameter on selectivity. The catalysts that will show more promising characteristics, in terms of activity and selectivity towards desired products, will be further investigated with stability tests to check their resistance to long time operation and after an aging treatment simulating the exhaust gases of energy-intensive processes. These materials will also be considered for combined CO₂ adsorption and hydrogenation, with opportunely designed experiments involving separate adsorption and hydrogenation steps. At the end of the research period, it is expected to obtain deeper insights into the properties that influence activity and selectivity of ceria-based materials for selective CO₂ activation, allowing to establish a background for future material development.

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 Politecnico di Ingegneria e Architettura (DPIA) / Polytechnic Department of Engineering and Architecture.

Nota / Note: In base alle esigenze del progetto PNRR su cui grava il finanziamento, l’assegnista di ricerca potrà dover svolgere parte delle attività presso altre Università e Istituzioni coinvolte nel medesimo progetto. / Based on the needs of the PNRR project that finances the research grant, the research fellow may have to carry out part of the activities at other universities and institutions involved in the project.

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

€ 32.426,50

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

15 mesi / months
Finanziamento / Financed by:


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>Videoconferenza (piattaforma Microsoft Teams) / Videoconference (Microsoft Teams platform)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data / Date</td>
<td>12 febbraio / February 2024</td>
<td></td>
</tr>
<tr>
<td>Ora / Time</td>
<td>15:00 / 3:00 pm (Italian time)</td>
<td></td>
</tr>
<tr>
<td>Luogo / Place</td>
<td>–</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](http://web.uniud.it/ateneo/normativa/albo_ufficiale)

Nota / Note: Le indicazioni sulle modalità di svolgimento della prova in modalità telematica saranno inviate ai candidati con successiva email da parte del Presidente della Commissione. Ai fini dell’identificazione e a pena di esclusione dalla procedura selettiva, ciascun candidato è tenuto ad identificarsi prima che il colloquio abbia inizio, esibendo il medesimo documento di identità allegato alla domanda di ammissione al concorso. Il candidato deve risultare reperibile nella giornata e all’orario indicato sul bando. Il mancato collegamento, l’irreperibilità del candidato nel giorno o nell’orario stabilito o la mancata esibizione del documento identificativo, sono motivo di esclusione.
dalla procedura selettiva. La registrazione delle prove orali è vietata. L’Ateneo adotterà pertanto tutti i provvedimenti in suo potere per tutelare i soggetti coinvolti qualora venissero diffuse tramite internet – o altri mezzi di diffusione pubblica – video, audio o immagini della procedura selettiva. / Instructions on how the video interviewing will be conducted will be provided to candidates by the Chairman of the Examining Board via email. For identification purposes, each candidate is required to identify him/herself before the interview by exhibiting the same identification document attached to the application. Candidates must be available on the day and time established by the call for applications. Failure of the candidate to establish a video connection, the unavailability of the candidate on the day and/or time established or failure of the candidate to provide the required identification document are all grounds for exclusion from the selection procedure. Recording of the video interviews is prohibited. The University will adopt all the measures within its power to protect all personnel involved as a result of dissemination via the internet or via other forms of public dissemination, of videos, audios or other pictures of the selection procedures.

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>Membri Effettivi /</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permanent members</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alessandro Trovarelli</td>
<td>PO</td>
<td>ING-IND/27</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Sara Colussi</td>
<td>PA</td>
<td>ING-IND/27</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Carla De Leitenburg</td>
<td>PA</td>
<td>ING-IND/27</td>
<td>Università degli Studi di Udine</td>
</tr>
<tr>
<td>Membro Supplente /</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temporary member</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marina Campolo</td>
<td>PA</td>
<td>ING-IND/25</td>
<td>Università degli Studi di Udine</td>
</tr>
</tbody>
</table>