



**UNIVERSITÀ DEGLI STUDI
DI CAGLIARI**

Personnel, Organisation, Performance Directorate
Manager Dr. Fabrizio Cherchi
Coordination of teaching staff and selection processes



HR EXCELLENCE IN RESEARCH

D.R. n. 374/2025

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Deadline for submitting applications: 22.04.2025

Disclaimer: This English translation of the original text in Italian is provided for information purposes only. In case of a discrepancy, the original Italian document will prevail.

Subject: Public selections for the awarding of 5 research contracts funded with resources from the National Recovery and Resilience Plan (PNRR) - Mission 4 "Education and Research" Component 2 "From Research to Business" - Investment 1.2 "Funding for projects submitted by young researchers" – selection code: cdr_06D_0425

THE RECTOR,

HAVING REGARD TO Law No. 168 of 9.05.1989 on the establishment of the Ministry of Universities and Academic and Technological Research;

HAVING REGARD TO the current Statute of the University of Cagliari, issued by Rector's Decree No. 305 of 28.03.2022, published in the Official Gazette of the Italian Republic (G.U.) - general series - No. 88 of 24.04.2022;

HAVING REGARD TO Law No. 241 of 7.08.1990, as amended and supplemented, containing new rules on administrative procedures and the right of access to administrative documents;

HAVING REGARD TO Law No. 104 of 5.02.1992, framework law for assistance, social integration and the rights of persons with disabilities;

HAVING REGARD TO Presidential Decree No. 445 of 28.12.2000, containing the Consolidated Text of Legislative and Regulatory Provisions on Administrative Documentation;

HAVING REGARD TO Legislative Decree No. 196 of 30.06.2003, "Personal Data Protection Code";

HAVING REGARD TO Law No. 106 of 15.04.2004, containing rules on the deposit of documents of cultural interest intended for public use;

HAVING REGARD TO Legislative Decree No. 82 of 07.03.2005, "Digital Administration Code" and subsequent amendments and additions;

HAVING REGARD TO the new European Charter for Researchers contained in the recommendation of the Council of the European Union C/2023/1640 of 18.12.2023;



HAVING REGARD TO	Legislative Decree No. 198 of 11.04.2006, containing the “Code of equal opportunities between men and women”;
HAVING REGARD TO	Presidential Decree No. 252 of 03.05.2006, regulation on the deposit of documents of cultural interest intended for public use;
HAVING REGARD TO	Law No. 240 of 30.12.2010, as subsequently amended and supplemented, laying down rules on the organisation of universities, academic staff and recruitment, as well as delegating power to the Government to boost the quality and efficiency of the university system, and in particular art. 22;
HAVING REGARD TO	Decree-Law No. 36 of 30.04 2022, converted with amendments by Law No. 79 of June 29, 2022, and in particular Article 14;
HAVING REGARD TO	the Code of Ethics and Conduct of the University of Cagliari, issued by Rector’s Decree No. 351 of 03.04.2025;
HAVING REGARD TO	Ministerial Decree 639 of 02.05.2024, published in the Official Gazette of the Italian Republic No. 107 of 09.05.2024, concerning the determination of the academic-disciplinary groups and the relative declarations, as well as the rationalisation and updating of the academic-disciplinary sectors and the reallocation of the latter to the academic-disciplinary groups, pursuant to Article 15 of Law 240/2010;
HAVING REGARD TO	the current “ <i>Rules and regulations for the stipulation research contracts, pursuant to Article 22 of Law No. 240 of 30.12.2010</i> ”.
HAVING REGARD TO	<i>Regulation (EU) No. 2021/241 of 12.02.2021, which establishes the Recovery and Resilience Facility;</i>
HAVING REGARD TO	<i>the National Recovery and Resilience Plan (hereinafter PNRR), officially presented to the European Commission on 30.04.2021 pursuant to Article 18 of the aforementioned Regulation (EU) No. 2021/241 and approved by the ECOFIN Council Decision of 13 July 2021, notified to Italy by the General Secretariat of the Council with note LT161/21 of 14.07.2021;</i>
HAVING REGARD TO	the Director's Decree of 03.07.2024, No. 201, entitled “Public Notice for the submission of project proposals by young researchers”, to be financed under Mission 4, Component 2, Investment 1.2 “Funding for projects submitted by young researchers” of the National Recovery and Resilience Plan and subsequent amendments and integrations;
HAVING REGARD TO	The Director's Decree No. 47 of 20.02 2025, concerning the PNRR - Mission 4 “Education and Research” Component 2 “From Research to Business” - Investment 1.2 “Funding for projects submitted by



- young researchers” - Decree for the recruitment of post-doctoral international researchers.
- HAVING REGARD TO** the expression of interest from the University of Cagliari in response to the aforementioned notice, sent on 5.03.2025, protocol number 70525;
- HAVING REGARD TO** the “List of Assignments of Positions to the Mezzogiorno” compiled in accordance with the allocation of recognized resources, amounting to € 37.5 million, and the eligible positions referred to in Article 8 of Director's Decree No. 47 of February 20, 2025, protocol No. 3867 of 21.03.2025, from which it appears that 5 research contracts have been funded at the University of Cagliari.
- HAVING REGARD TO** the MUR circular no. 4336 of 31 March 2025 regarding: Decree for the recruitment of international postdoctoral researchers – D.D. no. 47 of 20.02.2025. - Formal communication of the publication of the lists, protocol no. 3866 and 3867 of 21.03.2025;
- HAVING REGARD TO** the FAQs - Frequently Asked Questions - Decree for the recruitment of international postdoctoral researchers D.D. no. 47 of 20.02.2025, updated as of 30.04.2025;
- HAVING REGARD TO** the provisions of the Directors of the relevant Departments containing the forms attached to the call;
- HAVING REGARD TO** Rector’s Decree No. 372 of 10.04.2025, by which the Rector authorizes the activation of the selection process for the awarding of 5 research contracts funded with resources from the National Recovery and Resilience Plan (PNRR) - under Mission 4, Component 2, Investment 1.2 “Funding for projects submitted by young researchers” of the National Recovery and Resilience Plan and subsequent amendments and integrations.
- TAKING INTO ACCOUNT** that the procedures regulated by this call are in line with the University of Cagliari’s policies for the implementation of the principles of the new European Charter for Researchers through the process of recognition for Human Resources Excellence in Research, in order to promote a competitive and attractive research environment;
- WHEREAS** that the MUR has not yet issued the decree granting funding for the assigned positions;

ISSUES THE FOLLOWING DECREE:**ART. 1****(Public selection for the recruitment of 5 research contracts)**

The public competition listed in the following table is to be held at this University for the recruitment of a total of No. 5 research contracts, by means of a two-year non-renewable employment contract, in accordance with art. 22 of Law No. 240 of 30.12.2010 and the current *"Rules and regulations for the stipulation research contracts, pursuant to Article 22 of Law No. 240 of 30.12.2010"*:

N.	Selection code	GSD	Profile (SSD) academic discipline	Department	CUP
1	cdr_06D_0425_09/IINF-03	09/IINF-03	IINF-03/A	Electrical and Electronics Engineering	F23C25000440006
2	cdr_06D_0425_05/BIOS-08	05/BIOS-08	BIOS-08/A	Life and Environmental Sciences	F23C25000450006
3	cdr_06D_0425_03/CHEM-05	03/CHEM-05	CHEM-05/A	Chemical and Geological Sciences	F23C25000460006
4	cdr_06D_0425_11/PHIL-02	11/PHIL-02	PHIL-02/A	Pedagogy, Psychology, Philosophy	F23C25000470006
5	cdr_06D_0425_10/ARCH-01	10/ARCH-01	ARCH-01/A	Humanities, Languages and Cultural Heritage	F23C25000480006

The forms attached to this notice, as an integral part of it, contain the following information (the forms can be viewed by clicking on the selection codes indicated in the above table):

- the number of posts requested by the Department;
- the selection code to be indicated in the application;
- scientific-disciplinary Group for which the selection has been announced;
- the academic recruitment field for which the selection has been announced and the profile, by indicating one or more academic disciplines (SSD);
- the research program to which the contract is connected;
- the Research Supervisor;
- the name of the Department and the main location where the activities will be carried out;
- the details of the funding sources on which the cost of the contract will be charged;
- the salary parameter determined, based on the commitment required;
- the maximum number of publications that can be submitted, ranging from 2 to 10;
- the foreign language of which candidates must demonstrate their knowledge;
- the date and time of the interview;
- useful information for the submission of the project proposal by the candidates.

For further details on the academic fields and disciplines, please refer to [Ministerial Decree No. 639 of 2 May 2024 published in the Official Gazette of the Italian Republic No. 107 of May 9, 2024](#).

ART. 2

(Admission requirements)

Participation in the public competition referred to in Article 1 is reserved, without restriction on grounds of nationality, to candidates:

- who hold a PhD or an equivalent qualification obtained in Italy or abroad and who are, or are enrolled in the third year of the PhD program and will obtain the degree by 14.05.2025;
- who have completed the doctoral program, having carried out a period of at least 3 months of training and research abroad;
- in possession of knowledge of the foreign language indicated in the application, which will be assessed during the interview;
- who fall within the definition of “young researcher”, meaning they have not yet gained substantial experience in managing research teams and are not in a contractual position that would ensure a stable career perspective in the field of research. This definition includes all researchers who, as of 20.02.2025, have not yet reached the age of 41, or, for individuals over 40, who, as of 20.02.2025, have not yet reached the age of 46, have completed their PhD within the past 7 years, and are in one or more of the following conditions:
 - to need to gain initial experience as a manager of funds and/or research activities;
 - to need to gain experience in leadership and managing a national and/or international research team;
 - not to have, or not to have had before winning the European grant, a full-time equivalent (FTE) permanent contract as a researcher and/or tenured professor.

For the PhD obtained abroad, the evaluation committee will assess the equivalence of the degree for the purposes of the procedure.

Candidates shall be excluded from the selection if, in addition to failing to meet the aforementioned requirements, by the deadline for submission of applications:

- a) are excluded from the enjoyment of civil and political rights;
- b) have been dismissed or removed from employment in a Public Administration for persistently insufficient performance, or have been declared to have lost their position in another state employment under Article 127, letter d) of Presidential Decree No. 3 of 10.01.1957;
- c) are tenured staff, employed on a permanent contract, at universities, public research institutions, and organizations whose scientific specialization diploma has been recognized as equivalent to the PhD pursuant to Article 74, fourth paragraph, of the Decree of the President of the Republic of 11.07 1980, No. 382;
- d) have been employed under fixed-term Researcher contracts as defined in Article 24 of Law No. 240/2010;



e) are, at the time of submitting the application, related by blood or affinity, up to and including the fourth degree of consanguinity or affinity, to a professor or tenured professor belonging to the department applying for the post, or to the Rector, the Director General or a member of the Board of Directors of the University.

This administration guarantees equality and equal opportunities between men and women in terms of access to employment and conditions at work.

ART. 3

(Application for admission)

The application to take part in the selection procedure, as well as the project proposal, the scientific-professional curriculum, and the publications, must be submitted electronically, under penalty of exclusion, using the special electronic application at <https://pica.cineca.it/>. The electronic application requires the applicant to have an e-mail address in order to register with the system.

The applicant must enter all the data required to complete the application and attach the documents in electronic PDF format.

The application form must be completed in full, as indicated in the online procedure, and must be accompanied by:

- a scan of a valid identity document and a tax code. Non-European citizens must provide a scan of their valid passport;
- the signed and numbered list of qualifications that can be assessed, together with the declaration in lieu of a certificate or affidavit, as provided for in Articles 46 and 47 of Presidential Decree 445/2000, certifying that they are in possession of the above-mentioned documents;
- a signed scientific-professional curriculum vitae;
- a signed and numbered list of the academic publications attached;
- academic publications;
- the project proposal;
- any documentation showing the details of the recognition decision in Italy, in accordance with current regulations, of the PhD obtained abroad. If such recognition has not been carried out, the candidate must attach documentation certifying the possession of the PhD and the 'declaration of value' issued by the competent diplomatic-consular representation in the country whose legal system the PhD pertains to, or other documentation useful for enabling its evaluation for the purposes of conducting the research;

No other form of submission of applications or documentation for participation in the procedure is permitted.

The date of electronic submission of the application for participation in the selection is certified by the computer system by means of a receipt that will be automatically sent by e-



mail. Once the deadline for submission has expired, the system will no longer allow access and submission of the electronic form.

Each application will be given an identification number which, together with the procedure code indicated in the computer application, must be specified in any subsequent communication.

The procedure for filling in and sending the application electronically must be completed no later than 23:59 on 22.04.2025.

The submission of the application must be finalised and completed as follows:

a) the candidate may register and access the platform using the Public Digital Identity System (SPID - security level 2), selecting the University of Cagliari from among the organisations listed. If she/he does not have these credentials, she/he may submit a request following the procedures indicated on the website www.spid.gov.it.

When logged in with SPID, the application can be submitted without the need for a signature and will be accepted automatically by the system.

Alternatively, the candidate may register and log in using the credentials issued directly by the platform or authenticate with her/his LOGINMIUR, REPRISE or REFEREES account, if held.

b) by means of a digital signature, using smart cards, USB tokens or remote signatures, enabling the holder to sign generic documents using PC-based signature software or a web portal for Remote Signature made available by the Certification Authority. If candidates are in possession of a smart card or a Digital Signature USB token, they can verify its compatibility with the Digital Signature system integrated in the server system. If the result is positive, the holder may sign the application directly on the server (e.g. using ConFirma);

c) those who do not have compatible digital signature devices or are not Remote Digital Signature Holders having access to a portal for signing generic documents, must save the PDF file generated by the system on their PCs and, without modifying it in any way, digitally sign it in CAdES format (a file with a .p7m extension will be generated) or in PAdES format (a file with a .pdf extension will be generated) and must be uploaded to the system again. Any alterations made to the file before the Digital Signature has been affixed will prevent the automatic verification of the exact correspondence between the content of this document and the original, which will result in the exclusion of the application.

d) in the event that one of the above options cannot be used, the candidate must save the PDF file generated by the system on his/her PC and, without modifying it in any way, print it out and affix a fully legible signature on the last page of the printout. This complete document must be produced in PDF format by scanning, and the resulting file must be uploaded to the system.



All applicants must clearly state their surname and first name, date and place of birth, social security number. Married women must indicate their maiden name.

Applicants must also declare on their own responsibility:

1. their residence and domicile;
2. their nationality;
3. to have completed a period of at least 3 months of training and research abroad, before the completion of the doctoral program, and to fall within the definition of 'young researcher,' as outlined in Article 2 of the call;
4. that they have not been convicted of any criminal offences, or if they have been convicted of any offences, indicate the details of the judicial sentences, and any criminal proceedings pending against them;
5. not to be tenured staff, employed on a permanent contract, at universities, public research institutions, and organizations whose scientific specialization diploma has been recognized as equivalent to the PhD pursuant to Article 74, fourth paragraph, of the Decree of the President of the Republic of 11.07.1980, No. 382;
6. not to have been employed under fixed-term Researcher contracts as per Article 24 of Law No. 240/2010;
7. that they are not related, by blood or by affinity up to the fourth degree, to a tenured professor of the department applying for the position, to the Rector, to the Director General, or to a member of the Board of Directors of the University;
8. that they have not been dismissed from the public service for persistent inadequate performance and have not been declared ineligible for public office pursuant to Article 127, letter d) of Presidential Decree No. 3 of 10.01.1957;
9. they are registered on an electoral roll, indicating the municipality and, if applicable, the reasons for non-registration or cancellation; candidates who are nationals of foreign States must declare that they enjoy civil and political rights in the States to which they belong or from which they come, or the reasons why they do not;
10. to hold a PhD, or an equivalent qualification obtained in Italy or abroad, or alternatively, where compatible with the discipline of the related research program and its reporting rules, to be enrolled in the third year of the PhD program, with the expectation of completing the degree by 14.05.2025;
11. to authorise the University of Cagliari's Teaching Staff Recruitment Sector to send him/her communications relating to the selection process exclusively by means of the certified e-mail address indicated in the application, and to promptly notify any change thereof;
12. that they have read the information notice on data processing by the University of Cagliari for the category 'Citizens', published on the website https://www.unica.it/unica/it/utility_privacy.page.



The omission of any one of the above declarations will result in exclusion from the selection.

All communication between the Teaching Staff Recruitment Sector and candidates will be exclusively by PEC (certified email).

The University accepts no liability for the non-availability of the addressee, for the loss of communications due to the inaccurate indication of the PEC address by the candidate or due to failure or delay in communicating the change of the Certified Electronic Mail address indicated in the application.

ART. 4

(Presentation of academic qualifications and curriculum)

The following qualifications and experience will be considered:

- 1) PhDs, or an equivalent qualification, obtained in Italy or abroad;
- 2) documented training or research activities at qualified Italian or foreign institutes;
- 3) carrying out of project work in relation to the academic-disciplinary groups where this is expected;
- 4) participation, with physical or virtual mobility, in national and international research groups;
- 5) ownership of patents in relation to the academic-disciplinary groups in which registration of patents normally occurs;
- 6) participation as a speaker at national and international congresses and conferences;
- 7) receipt of national and international awards and recognitions for scientific activity;
- 8) European specialisation diplomas recognised by international boards, in academic-disciplinary groups where such diplomas exist;
- 9) the project proposal;
- 10) the scientific output.

Only the maximum number of publications indicated in the form of the competition in which the candidate intends to participate will be taken into account.

The Committee will not consider publications that are different from, or in a different edition to, those listed in the annex to the application form.

In the case of works published abroad, the following information should be provided, if possible: the date and place of publication or, alternatively, the ISBN code or other equivalent. For publications published in Italy before 02.09.2006, the obligations must be fulfilled in accordance with the forms provided for in Article 1 of Lieutenant's Decree No. 660 of 31.08.1945; as of 02.09.2006, the obligations must be fulfilled in accordance with the forms provided for in Law No. 106 of 15.04.2004 and the associated regulation issued by Presidential Decree No. 252 of 3.05.2006, by the deadline for applications.

Publications submitted after the deadline for submitting applications for participation in the procedure will not be considered.

Documents submitted after the deadline will not be considered.

The curriculum must include the qualifications related to one's scientific and professional activities.

Non-EU citizens may use the declaration in lieu of certification or an affidavit, limited to cases in which they are required to prove statements, facts and qualities that can be certified or attested to by Italian public or private entities.

In other cases, certificates issued by the competent authorities of the non-EU country of which the foreigner is a citizen must be attached. These certificates must comply with the regulations in force in that country and must also be legalized by the competent Italian consular authorities.

The administration will carry out appropriate checks on the accuracy of the content of the substitute declarations.

Documents not attached because they have already been submitted to this or another administration and referred to in the application will not be considered.

ART. 5

(Exclusion from selection)

Candidates are provisionally admitted to the selection. The Rector may exclude candidates at any time by a motivated decree.

ART. 6

(Selection Committee)

The Selection Committee will be composed of three professors and/or researchers, appointed in accordance with the procedures set out in Article 7 of the current *"Rules and regulations for the stipulation research contracts, pursuant to Article 22 of Law No. 240 of 30.12.2010"*.

In any case, the following cannot be part of the selection committees:

- a) fixed-term Professors pursuant to Article 1, paragraph 12 of Law 230/2005;
- b) professors and researchers who did not obtain a positive evaluation in the academic year preceding the date of issuance of the rector's decree for the appointment of the Committee, pursuant to Article 6, paragraph 7, second sentence, of Law No. 240 of December 30, 2010;
- c) those who have been convicted, even with a non-final sentence, for crimes provided for in Chapter I, Title II, of the Second Book of the Penal Code;
- d) those who are current members of the Board of Directors and the Academic Senate of this University.

Any committee member who has more than 50% of his/her academic publications in common with work submitted by any of the candidates shall be considered incompatible and must resign, notifying the University in good time.

The Rector, by his own decree, appoints the Selection committee.

The Rector's Decree appointing the Committee will be published on the University website in the recruitment section (<https://personale.unica.it/docric/public/>), and candidates will be duly informed of this publication.

It is a mandatory obligation for members to participate in the work of the Committee, except in cases where there are justified and documented reasons for absence.

The Committee carries out its work collegially, making its decisions by absolute majority, and may use telematic tools to conduct its sessions via telematic means, including the one for the interviews with candidates. In this case, the Committee is required to adopt tools and measures suitable to ensure the transparency of the operations, the identification and equal treatment of candidates, and must ensure the regular and proper conduct of the oral discussion, as well as guarantee the utmost confidentiality of the communications.

ART. 7

(Work of the Committee)

The selection is carried out through a comparative evaluation of the candidates and aims to assess, in line with the standards for open, transparent, and merit-based recruitment, the alignment of the project proposals with the research program in question, as well as the candidates' possession of a scientific-professional curriculum suitable for carrying out the research activity covered by the contract.

The first meeting of the Selection Committee is convened by the Internal Committee member, following consultation with the committee itself. At the inaugural meeting of the Selection Board, the members shall elect a Chairperson and a minutes Secretary.

The date and time of the interview, which will be held in a public session, is indicated in the form of the selection for which the candidate intends to apply.

Applicants are comparatively assessed on the basis of the following elements:

- a) quality, originality, and innovativeness of the project proposal, with reference to the research project subject selected;
- b) relevance and significance of the research activities previously carried out, as well as any work experience, in relation to the content of the research project subject to the selection;
- c) relevance and significance of the attached publications to the thematic area of the research project subject to the selection;
- d) interview aimed at assessing the suitability to carry out the research activity covered by the contract and to implement the proposed project, as well as evaluating the knowledge of the English language and/or other languages relevant to the research.

The evaluation of the project proposal, the scientific-professional curriculum, and the scientific output is based on the following general criteria, also recognized internationally:

- a) evaluation of the project proposal:

- a1) characteristics of the proposal (clarity, completeness);
- a2) scientific quality of the proposal;
- a3) coherence with the research program.
- b) evaluation of the scientific-professional curriculum:
 - b1) PhD, obtained in Italy or abroad;
 - b2) documented training or research activities at qualified Italian or foreign institutions and research centers;
 - b3) execution of project activities related to the scientific-disciplinary groups in which it is foreseen;
 - b4) participation, with physical or virtual mobility, in national and international research groups;
 - b5) ownership of patents related to the scientific-disciplinary groups in which it is foreseen;
 - b6) participation as a speaker in national and international conferences and congresses;
 - b7) receipt of national and international awards and recognitions for scientific activity;
 - b8) European specialization diploma recognized by international boards, for those scientific-disciplinary groups in which it is foreseen.
- b9) Evaluation of scientific output:
 - b9a) coherence with the thematic area of the research project subject to the selection;
 - b9b) individual contribution to collaborative work;
 - b9c) quality of the scientific output, assessed within the international research landscape, based on originality, methodological rigor, and innovation;
 - b9d) editorial placement of scientific products with publishers, series, or journals of national or international relevance.
- c) Evaluation of the interview:
 - c1) clarity of the presentation of the proposed project;
 - c2) mastery of the topics of the research project covered by the contract;
 - c3) ability to connect potential interdisciplinary aspects of the research project;
 - c4) knowledge of the foreign language specified in the call;

The numerical weight assigned to the general criteria will be as follows:

- between 25 and 40 points for the evaluation of the project proposal;
- between 45 and 60 points for the evaluation of the scientific-professional curriculum;
- between 10 and 30 points for the interview.

The sum of the individual numerical weights must in all cases be equal to 100 points.

On the basis of the general criteria set out above, the Committee will, at its first meeting, specify and/or detail how they will be applied and the maximum weight assigned to each of them.

The assessment criteria established by the Committee will be published on the University's website (<https://personale.unica.it/docric/public/>) and candidates will be notified of the

publication. After publication, the Committee will have access to the list of candidates and the documents they have submitted for the selection.

The Committee then proceeds collegially, based on the predetermined criteria for evaluating the project proposal, the scientific-professional curriculum, and the scientific output, to assign scores to the candidates and transmits them to the Person in Charge of the procedure.

The Person in Charge of the procedure will communicate the score obtained to the candidates before the interview takes place.

After assigning the score for each candidate's interview, the Committee formulates the ranking list based on the scores awarded to all candidates and designates the winner of the selection.

In case of a tie in scores, preference will be given to the candidate of the underrepresented gender among the current contract staff at the University.

In the event of a further tie, preference will be given to the candidate with the lower age.

Candidates who achieve a total score of 70 points or higher will pass the selection.

The Committee must conclude its work must conclude its work by 09.05.2025.

The acts consist of the minutes of each individual meeting, which include the collective scores assigned by the Committee to each candidate, and the final summary report of the work. In case of disagreement by a committee member in the evaluation of candidates, such disagreement may be expressed through a minority report.

If the Rector identifies irregularities in the conduct of the selection, he will return the acts to the Committee with a reasoned decision, assigning a deadline for the Committee to make any necessary modifications.

ART. 8

(Verification of the validity of documents)

The selection documentation shall be approved by Rectoral Decree within fifteen days of their delivery to the Offices. The decree approving the documents shall be published on the University website (<https://personale.unica.it/docric/public/>); the candidates and the Department concerned shall be informed of the publication.

ART. 9

(Signing of the employment contract and its duration)

The University, before the signing of the individual fixed-term employment contract, invites the candidate to submit the required documentation in accordance with the applicable regulations.

The winner of the selection will be called to sign the individual fixed-term employment contract by **15.05.2025**.

For the signing of the contract, the successful candidate must possess a digital signature.



The doctoral candidate can only sign the contract after having obtained the title of PhD. If the doctoral candidate has not obtained the title by May 14, 2025, they will lose the right to be awarded the research contract and will be excluded from the ranking.

The contractor will exclusively perform research activities as specified in the research contract. Holding the contract does not grant any right to access university positions.

Research contracts are of two years' duration and are not renewable.

For the purpose of calculating the total duration, periods spent on maternity or paternity leave or for health reasons, according to current legislation, are not taken into account.

To allow for proper reporting to the Ministry of University and Research (MUR), the contractor must document the execution of the work by completing monthly timesheets using the University's InTime platform, which may include a maximum of 125 hours per month out of the total annual commitment of 1,500 hours.

The contractor is required, annually and at the end of the contract, to submit the results of the scientific activity to the Department in the form of a specific report. Failure to prepare the report or failure to obtain approval from the scientific supervisor of the research constitutes just cause for termination of the contract.

The research contracts are incompatible with:

- Any other subordinated employment relationship, including part-time or fixed-term contracts, with public or private entities;
- Holding research grants, even at other universities or public research organizations;
- Scholarships or research grants awarded by national or foreign institutions, except those exclusively aimed at international mobility for research purposes, including PhD scholarships and allowances related to medical specialization contracts;
- Enrolling in undergraduate, graduate, or master's degree programs, PhD programs, or specialization courses, either in Italy or abroad. This also involves placing employees in public administrations on unpaid leave;
- Engaging in activities that could lead to a conflict of interest with the university's activities or prevent the regular execution of the research activities.

The Contract Researchers are entitled, for the entire duration of the contract, to an annual gross salary of € 38,986.47.

The annual gross salary is neither subject to indexing nor to revaluation, and it is subject to the applicable tax and social security laws.

The employment relationship established between the University and the Research Contractor is governed by the individual contract and the relevant regulations, including those concerning tax, health, social security, and insurance provisions applicable to salaried employment.



The University also provides insurance coverage for work-related accidents, occupational diseases, and civil liability.

ART. 10

(Person in charge of the procedure)

In accordance with Article 5 of Law No. 241 of 7 August 1990, Dr. Enrico Gioffrè, Head of the University's Teaching Staff Recruitment Sector - tel. 070/6752347 - email concorsidoc@unica.it, has been appointed as the person responsible for the procedure, who will ensure that the full procedure is carried out correctly, in accordance with the regulations in force, and handles communication with the candidates.

ART. 11

(Processing of personal data)

The University of Cagliari handles the processing of personal data pursuant to the provisions of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 and Legislative Decree 196/2003, Code for the Protection of Personal Data, respecting human dignity, rights and fundamental freedoms of the person. The information on the processing of data relating to the category of data subjects - citizens - is published at https://www.unica.it/unica/it/utility_privacy.page.

ART. 12

(Publication notice)

A complete copy of the notice will be published on the University website, and on the MUR website and on the European Union website.

ART. 13

(Reference for selection procedure)

For anything not provided for in this notice, the relevant provisions in force apply.

Cagliari

The Rector
Signed with digital signature



Annex to the selection notice for the recruitment of No. 5 RC

CARD NO. 1

Number of posts	1	Selection code	cdr_06D_0425_09/IINF-03
Disciplinary Area	09 - Industrial and Information Engineering		
GSD	09/IINF-03 - Telecommunications		
Profile (SSD) Academic discipline	IINF-03/A - Telecommunications		
Department	Electrical and Electronics Engineering		
Main location where the activities will be carried out	Department of Electrical and Electronics Engineering, Via Marengo 2, 09123 Cagliari CA		
Research Supervisor	Prof. Luigi Atzori		
Details of the funding sources on which the cost of the contract will be charged	D.D. MUR n.47 of 20.02.2025		
Salary parameter determined, based on the commitment required	Fourth parameter, equal to the initial salary entitlement of a full-time confirmed researcher		
Foreign language	English		
Maximum number of publications that can be submitted	5		
Date and time of the interview	9 May 2025 – 11:00 AM		
Research program associated with the contract:			
The research activity will focus on the definition of network indicators that integrate the Sustainable Development Goals (SDGs), supporting a sustainable approach to resource management in telecommunications infrastructures. The project includes: 1) Defining Key Value Indicators (KVI) that represent key metrics for the sustainability of network services. 2) Developing strategies for managing KVI in a multi-operator context, considering user needs and sustainability goals. 3) Defining communication interfaces for the transmission and interoperability of KVI between different stakeholders. 4) Analyzing conflict resolution mechanisms between operators with divergent sustainability policies. 5) Defining measurement and verification strategies to ensure the transparency and reliability of the indicators. 6) The activity will culminate in the creation of a demonstrator aimed at showcasing a concrete application scenario, such as the sustainable management of immersive multimedia content streaming.			
Useful information for the submission of the project proposal:			
Candidates must prepare a project proposal within the framework of the project, outlining the scientific objectives, the proposed methodology, the activities to be carried out, and the expected results. Special attention must be given to the alignment with the three pillars of sustainability (environmental, economic, and social), as well as the proposal’s ability to highlight the benefits of measuring the KVI for the network stakeholders.			



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CARD NO. 2

Number of posts	1	Selection code	cdr_06D_0425_05/BIOS-08
Disciplinary Area	05 - Biology		
GSD	05/BIOS-08 - Molecular Biology		
Profile (SSD) Academic discipline	BIOS-08/A - Molecular Biology		
Department	Life and Environmental Sciences		
Main location where the activities will be carried out	Cittadella di Monserrato		
Research Supervisor	Prof. Fabian Marcelo Feiguin		
Details of the funding sources on which the cost of the contract will be charged	D.D. MUR n.47 of 20.02.2025		
Salary parameter determined, based on the commitment required	Fourth parameter, equal to the initial salary entitlement of a full-time confirmed researcher		
Foreign language	English		
Maximum number of publications that can be submitted			8
Date and time of the interview		9 May 2025 –11:00 AM	
Research program associated with the contract:			
Aging induces progressive alterations in the body’s physiological balance, increasing vulnerability to neurodegenerative diseases, both familial and sporadic in origin. This research aims to identify the molecules and subcellular processes that mediate the relationship between age-associated locomotor decline and motoneuron diseases. Methodologically, we will adopt an experimental approach integrating genomics, biochemistry, and proteomics, utilizing neurons derived from human iPSCs, brain and blood samples from patients, as well as in vivo Drosophila models, to investigate the role of the TDP-43 gene, associated with ALS/FTD, in age-related modifications, with particular attention to RNA transcription, splicing, and RNA-dependent chromatin remodeling events. The results of this study could significantly enhance our understanding of how aging increases vulnerability to neurodegenerative diseases. Strategically, our goal is to intervene in the aging process to effectively slow down the progression of neurological disorders.			
Useful information for the submission of the project proposal:			
Candidates are invited to develop a project proposal that addresses, in an original and methodologically sound way, the connections between aging and vulnerability to neurodegenerative diseases, with particular reference to motoneuron disorders such as ALS and FTD. The proposal should include a clear definition of the scientific objectives, a critical review of the state of the art, and the identification of coherent experimental hypotheses. It should also outline a multidisciplinary approach, specifying the use of genomics, biochemistry, and proteomics techniques. The use of cellular models (such as neurons derived from human iPSCs), patient biological samples (blood and brain tissue), and in vivo models is encouraged.			



In particular, the use of *Drosophila melanogaster* is recommended as a model system for the functional study of molecular mechanisms related to aging and motoneuron degeneration, emphasizing its genetic and experimental relevance.

Finally, the proposal should include a detailed work plan, a realistic timeline of the proposed activities, and a reflection on the potential impact of the results, both in terms of advancing knowledge and possible future therapeutic applications.



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CARD NO. 3

Number of posts	1	Selection code	cdr_06D_0425_03/CHEM-05
Disciplinary Area	03 - Chemistry		
GSD	03/CHEM-05 - Organic Chemistry		
Profile (SSD) Academic discipline	CHEM-05/A - Organic Chemistry		
Department	Chemical and Geological Sciences		
Main location where the activities will be carried out	Department of Chemical and Geological Sciences Carbocycle Laboratory		
Research Supervisor	Prof. Angelo Frongia		
Details of the funding sources on which the cost of the contract will be charged	D.D. MUR n.47 of 20.02.2025		
Salary parameter determined, based on the commitment required	Fourth parameter, equal to the initial salary entitlement of a full-time confirmed researcher		
Foreign language	English		
Maximum number of publications that can be submitted	5		
Date and time of the interview	7 May 2025 – 10:00 AM		
Research program associated with the contract:			
Recently, molecular editing, which involves the insertion, deletion, direct and selective exchange of atoms, and the translocation of functional groups, has become an innovative synthetic approach for the preparation and rapid structural diversification of complex molecular scaffolds. Depending on the nature of the transformations, molecular editing can generally be categorized into skeletal editing and peripheral editing. Skeletal editing is the most complex to achieve and consists of the selective and efficient modification of the molecule's fundamental structure. Within this research area, (despite promising initial results) numerous challenges remain, such as expanding the "Molecular Editing Toolbox," direct editing of complex molecules, overcoming compatibility issues with different functional groups, and advanced molecular diversification. Based on these premises, this research project aims to enhance the synthetic potential of current molecular editing techniques and explore new models of structural reorganization. This proposal also involves the development of new site-selective reactions for the introduction of various functional groups into an existing molecular scaffold, thereby facilitating the creation of targeted libraries for structure-activity relationship (SAR) analysis.			
Useful information for the submission of the project proposal:			
Candidates will be required to prepare a project proposal within the general theme of the project. The research proposal, potentially inspired by the work carried out during the PhD, is relevant for the evaluation of the candidate's competencies in Synthetic Organic Chemistry.			



Annex to the selection notice for the recruitment of No. 5 RC

CARD NO. 4

Number of posts	1	Selection code	cdr_06D_0425_11/PHIL-02
Disciplinary Area	11 - History, Philosophy, Pedagogy And Psychology		
GSD	11/PHIL-02 - Logic, History and Philosophy of Science and Technology		
Profile (SSD) Academic discipline	PHIL-02/A - Logic and Philosophy of Science		
Department	Pedagogy, Psychology, Philosophy		
Main location where the activities will be carried out	Department of Pedagogy, Psychology, Philosophy		
Research Supervisor	Prof. Giuseppe Sergioli		
Details of the funding sources on which the cost of the contract will be charged	D.D. MUR n.47 of 20.02.2025		
Salary parameter determined, based on the commitment required	Fourth parameter, equal to the initial salary entitlement of a full-time confirmed researcher		
Foreign language	English		
Maximum number of publications that can be submitted			5
Date and time of the interview	5 May 2025 – 11:00 AM		
Research program associated with the contract:			
<p>The project explores the synergy between two current and promising research areas: it aims to interpret human learning neurophysiological data through the fundamental architectures of transformer decoder-only models. This new line of research fits within the broader investigation of the affinities between human cognitive mechanisms and the principles of emerging artificial intelligence technologies. Understanding the interaction between neural plasticity, temporal synchronization, and environmental factors is crucial for advancing our knowledge of human learning and memory processes. The project will analyze how the brain reorganizes synaptic connections in response to external stimuli, with a particular focus on the role of temporality. We will examine how temporal synchronization affects neural plasticity and the structural and temporal dynamics of dendritic spines in facilitating learning. Moreover, the research will address the mechanisms of neural plasticity during brain development, highlighting the role of the environment at various levels, from cellular interactions to epigenetic influences. It is also interesting to note how the environmental context impacts computational outcomes in Large Language Models (LLMs). The ultimate goal is to formulate a model that explains the morphological variations of the human neural system under specific conditions, drawing on key aspects of information processing observed in LLMs.</p>			
Useful information for the submission of the project proposal:			
<p>Candidates are required to prepare a project proposal related to the themes outlined above. The length of the project proposal should not exceed 3,000 words (including bibliography).</p>			



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CARD NO. 5

Number of posts	1	Selection code	cdr_06D_0425_10/ARCH-01
Disciplinary Area	10 - Antiquities, Philology, Literary Studies, Art History		
GSD	10/ARCH-01 - Archaeology		
Profile (SSD) Academic discipline	ARCH-01/A - Prehistory and Protohistory		
Department	Humanities, Languages and Cultural Heritage		
Main location where the activities will be carried out	Department of Humanities, Languages and Cultural Heritage - Cittadella dei Musei - Cagliari		
Research Supervisor	Prof. Riccardo Cicilloni		
Details of the funding sources on which the cost of the contract will be charged	D.D. MUR n.47 of 20.02.2025		
Salary parameter determined, based on the commitment required	Fourth parameter, equal to the initial salary entitlement of a full-time confirmed researcher		
Foreign language	English		
Maximum number of publications that can be submitted			10
Date and time of the interview	6 May 2025 – 11:00 AM		
Research program associated with the contract:			
The contract is linked to the research project "The Nuragic Villages of Sardinia," funded by the RAS (Regional Government of Sardinia). The project aims to study the Nuragic civilization of the Bronze Age in order to reconstruct the ancient landscape, with the goal of identifying the relationship between Nuragic sites and the surrounding territory, the ways in which it was exploited, and ultimately the economy of the Nuragic populations.			
Useful information for the submission of the project proposal:			
Candidates are required to prepare a project proposal related to the project "The Nuragic Villages of Sardinia." The candidates should present a proposal within the framework of Nuragic Landscape Archaeology, which should also involve the use of modern cataloging and analysis techniques.			