



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Area Gestione risorse umane
Settore Concorsi e Selezioni

D.R. Rep. n. 1038 – 2025 - Prot. n. 168744 del 21.10.2025 Allegati 2
Anno 2025 tit. VII cl. 1 fasc. 54

A public selection procedure based on qualifications and interview is being held at the University of L'Aquila for awarding n. 2 research contracts through the stipulation of a two-year, fixed-term contract, pursuant to Art. 22, Law n. 240, 30.12.2010, as amended by Art. 14, par. 6-septies of Leg. Decree n. 36 converted with amendments by Law n. 79, 29 June 2022.

THE RECTOR

Having regard to Italian Law 168, 9 May 1989 establishing the Ministry of Higher Education, Scientific Research and Technology;

Having regard to Italian Law n. 241, 7 August 1990, as amended and supplemented, concerning administrative procedures and the right to access administrative documents;

Having regard to Italian Law 104, 5 February 1992 as amended and supplemented and Italian Law 68, 12 March 1999;

Having regard to Presidential Decree 445, 28 December 2000 as amended and supplemented, containing regulations concerning administrative documentation (*Testo Unico*);

Having regard to Leg. Decree 196, 30 June 2003 "Personal data protection code";

Having regard to Italian Law n. 106, 15 April, 2004 and Presidential Decree n. 252, 3 May 2006, containing norms relating to depositing documents of cultural interest for public use;

Having regard to Leg. Decree n. 82, 7 March 2005, "Digital Administration Code", as amended and supplemented;

Having regard to Italian Law n. 240, 30 December 2010, "Norms regarding the organization of Universities, academic personnel and recruitment, as well as mandating the Government to provide incentives for quality and efficiency of the University system", and in particular, Art. 22;

Having regard to the amendments to Art. 22 of Italian Law 240, 30 December 2010 by Art. 14, Leg. Decree n. 36, 30 April 2022, converted with amendments by Law n. 79, 29 June 2022;

Having regard to Presidential Decree n. 232, 15 December 2011, concerning "Regulations as to remuneration of professors and researchers, pursuant to Art. 8, par. 1 and 3 of Italian Law 240, 30 December 2010;

Having regard to Law n. 183, 12 November 2011 (*Legge di Stabilità 2012*) and in particular Art. 15 regarding certifications and declarations;

Having regard to Leg. Decree n. 49, 29 March 2012, in particular, Art. 5, par. 5, for disciplining the programming, monitoring and assessment of budget management and recruiting policies adopted by universities;

Having regard to Ministerial Decree n. 639, 2 May 2024, "Determination of Scientific Disciplinary Groups and related declaratory, as well as rationalization and updating of Academic Recruitment Fields and their renewal to Scientific Disciplinary Groups";

Having regard to the University of L'Aquila's Code of Ethics/Behaviour established by the Rector's Decree n. 1489/2023, 24 November 2023;

Having regard to Leg. Decree 196, 30 June 2003 and Leg. Decree n. 101, 10 August 2018, implementing the Regulation (EU) 2016/679 of the European Parliament and of the Council, 27 April



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2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation);
Having regard to the current Statute of the University of L'Aquila;

Having regard to the University of L'Aquila's Regulations concerning the awarding of research contracts, in compliance with Art. 22 of Italian Law n. 240, 30 December 2010;

Having regard to the contract concerning the contractual sequence on the Research contract ex Art. 22, Italian Law n. 240, 30 December 2010, undersigned on 18 March 2025, and in particular, Art. 2, par. 2: *"Anyhow the amount of the contract referred to in paragraph 1 may not be less than the initial remuneration due to the fixed-term, part-time researcher and may not be higher than the initial remuneration due to the fixed-term, full time researcher"*;

Having regard to the resolution n. 17/2025 of the Department of Physical and Chemical Sciences dated 10 September 2025 - forwarded with note n. 2768/2025 on 11 September 2025 and received the same date with Prot. n. 146056/2025 - concerning the request of a selection procedure to award n. 2, two-year research contracts in compliance with Art. 22 of Italian Law 240/2010, 30 December 2010, for:

- the Scientific Disciplinary Group 03/CHEM-06 – Chemical Foundations of Technologies – Academic Discipline CHEM-06/A – Chemical Foundations of Technologies;
- the Scientific Disciplinary Group 03/CHEM-01 – Analytical, Environmental and Cultural Heritage Chemistry - Academic Discipline CHEM-01/B – Chemistry for the Environment and for Cultural Heritage.

Having verified that the expense concerning the above-mentioned research contracts, each for the two-year period, shall weigh on:

- for the Academic Discipline CHEM-06/A, totalling € 107.000,00, shall weigh on the Project HPC_BIG_DATA_QUANTUM (CUP E13C22001000006), as stated by Prof. Rubino, responsible for the funds of Spoke 5 of the National Centre for HPC, Big Data and Quantum Computing;
- for the Academic Discipline CHEM-01/B, totalling € 104.000,00, shall weigh on the following funds:
 - the cost for the contract shall weigh on the funds of SMARTCITY (Prof. Nicoletta Spreti – 12 months: € 52.000);
 - PNRR – MUR Young Researcher (Prof. Leone Di Mauro Villari – 9 months: € 39.000)
 - DOMPÈ 23 MARINI (Prof. Andrea Marini – 3 months: € 13.000).

Having regard to the resolution n. 257/2025 issued by the Board of Directors on 24 September 2025, after approval expressed by the Board of Auditors, authorizing the above-mentioned public selection procedures;

DECREES THE FOLLOWING

Art. 1

Public Selection procedure based on qualifications and interview

1. A public selection procedure, based on qualifications and interview, is being held at the University of L'Aquila for awarding n. 2 research contracts, pursuant to Art. 22, Law n. 240, 30.12.2010, as amended by art. 14, par. 6-septies of Leg. Decree n. 36 converted with amendments by Law n. 79, 29 June 2022, for the specific research programme set out in Attachments A and B which form an integral part of this announcement.



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Attachment	Department	Scientific Disciplinary Group	Academic Discipline
A	DSFC	03/CHEM-06	CHEM-06/A
B	DSFC	03/CHEM-01	CHEM-01/B

The Scientific Disciplinary Group, the title, the duration of the fixed-term employment contract, the place where the research activity is to be carried out and the research programme are indicated in Attachments A and B.

The University guarantees equal opportunities for men and women for access to employment and treatment at work.

Art.2

Admission Requisites

1. The selection is open to candidates, including those with citizenship of non-EU countries, holding, on the date of the deadline for submitting applications, a Ph.D., or an equivalent degree obtained in Italy or abroad, or a medical Specialization Diploma, where required. Those who are enrolled in the third year of a Ph.D. course or in the final year of the medical Specialization Diploma may also participate in the selection process, provided that the degree is obtained within six months following the data of publication of the selection announcement.
2. If obtained abroad, the qualification must be accompanied by the official declaration of equivalency issued by the relevant authorities of the foreign country. If the candidate is not in possess of such a documentation within the deadline for application submission, he/she shall submit a copy of the application for obtaining such a declaration.
Therefore, in the latter case, candidates are granted conditional admission.
3. Candidates, to be admitted to the selection procedure, must also possess the following requisites:
 - 1) to be in possession of their civil and political rights. For non-Italian citizens and non-refugee or subsidiary protection status candidates, enjoyment of civil rights is to be referred to their country of citizenship;
 - 2) physical capability to the employment. The Administration reserves the right to verify the winner of the selection procedure with a medical control, in accordance with current legislation.
4. Pursuant to Art. 22, Italian Law 240/2010, the following categories may not participate in this public selection procedure:
 - a) First or second tier university Professors or Researchers on open-ended contracts, even if terminated;
 - b) those who have benefited from fixed-term researcher (RTT) contracts as per Article 24, Law 240/2010, as amended by Leg. Decree 36/2022 converted by Law 79/2022;
 - c) tenured personnel, hired on permanent contracts, of Universities, public research bodies and Institutions whose postgraduate scientific diploma has been recognized as equivalent to the title of research doctorate pursuant to Article 74, paragraph 4, Presidential Decree n. 382, 11 July 1980;
 - d) individuals who are related, up to the fourth degree, to professors belonging to the recruiting Department or the Structure proposing the activation of the contract, or with the Rector, the General Director, or any member of the Board of Directors of the University.
5. In any case, the following may not participate in the selection procedure:



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- 1) those who are excluded from the enjoyment of civil and political rights;
- 2) those who have been dismissed or discharged from their employment with a public administration for persistent inadequate performance;
- 3) those who have been declared disqualified from another state job, pursuant to Article 127, letter d), Presidential Decree n. 3, 10 January 1957.

The prescribed requirements must be met on the date of the deadline for submitting applications for admission to the selection.

Art. 3

Submitting and sending the application online

1. The application to take part in the procedure, as well as the qualifications, documents and publications deemed useful for the procedure, are to be submitted telematically, on pain of exclusion, via the online tool available at <https://pica.cineca.it/univaq>.

No other ways of presenting applications or documents for the procedure are allowed for participation in this procedure.

The application procedure must be completed, under penalty of exclusion, **no later than h 23.59 of the twentieth day following the day of the publication.**

The computer application necessarily requires that the candidate has an e-mail account in order to register or he/she may also log in using the SPID credentials. Candidates must enter all data required to fill in application and attach all documents in .pdf format. The application form must be filled in all its parts according to the instructions given by the telematic procedure. Within the deadline for application the system allows to save a draft of the application. The date of telematic submission of the application shall be certified by a receipt sent automatically by the system by e-mail. Applications received after the deadline set in this selection announcement shall not be considered. An identification number shall be assigned to each application which, along with the selection procedure code indicated in the computer application, shall be quoted in any further notice.

2. The application submission shall be perfected and concluded in the following ways:

- **By digital signature** using smart card, USB token or remote signature which allow the owner to sign general documents by means of a signature software or a Remote Signature web portal made available by the Auditor. Those who have a Digital Signature smart card or USB token shall verify that they are compatible with the Digital Signature system integrated in the system server. If so, the owner may sign the application directly in the system server (e.g. ConFirma);
- **Those who do not have compatible digital signature devices and the Remote Digital Signature Owners** who may access a web portal for signing general documents shall save in their own PC the .pdf file generated by the system and, without modifying it, digitally sign it in CAdES format. A .p7m file will be generated, which shall be uploaded again to the system. Any editing to the file before signing with the Digital Signature shall interfere with the automatic check of correspondence between the content of such a document and the original, and this will bring to the application exclusion;
- **If none of the above-mentioned options can be** used candidates shall save in their own PC the .pdf file generated by the system and, without modifying it, print and sign it with full original signature in the last page of the printed document. A scanned .pdf copy of such a document shall be produced and the file thus obtained shall be uploaded to the system. It is not necessary to sign the application if the candidate logs in using the SPID credentials.



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3. In the application to participate, filled in all its parts by carefully following the telematic model, candidates must declare under his/her own responsibility:

- a) name and surname, date and place of birth, residence and an e-mail and/or PEC address for notifications;
- b) the citizenship held (Italians not belonging to the Republic are equated to citizens of the Italian State);
- c) the possession of the requirements of Article 2 above;
- d) that they have not been convicted of a crime nor are they aware of being subject to criminal proceedings or of any pending criminal proceedings against them;
- e) that they do not currently hold a position as first or second tier university professors or as open-ended contract Researchers, and have not held such positions in the past either, even if terminated, and have not benefited from contracts under art. 24 of Law 240/2010;
- f) that they have not been dismissed or relieved from office with a Public Administration for consistently poor performance, or that they have not been dismissed from a civil service job as provided in Art. 127, Letter d) of D.P.R. 10 January 1957, n. 3;
- g) that they are not related, up to the fourth degree, to professors belonging to the recruiting Department or the Structure proposing the activation of the contract, or with the Rector, General Director, any member of the Board of Directors;
- h) that they are physically fit for employment.

4. Italian candidates shall also state under their own responsibility:

- which electoral college they are registered in (municipality) and any reasons for lack of registration or deletion;
- their current situation with regard to military service (for those born up to 1985).

In compliance with Articles 4 and 20 of Law 104/1992, candidates with disabilities must apply for any necessary aid, producing appropriate certification issued by the relevant public health facility.

5. The University Administration declines all responsibility for unreceived notifications due to the candidate's failure in providing a correct address, e-mail and/or PEC address or not notifying the University in due time of any change in the address given in the application nor for any misunderstandings not attributable to the fault of the Administration itself, or due to third parties, unforeseeable events or force majeure.

6. The applicants must attach the following documents to the application by uploading them to the appropriate section of the portal:

- A *Curriculum vitae* listing their scientific and professional activities with **the indication of all titles considered useful** for the purposes of the procedure, dated and signed;
- *Project proposal* related to the profile for which they intend to compete and listed in Attachments A and B to the present Announcement;
- A numbered list of publications considered useful for the selection in compliance with the maximum number established in Attachments A and B to the present Announcement;
- A photocopy of a valid identity document.

All documents must be attached in PDF format. Each attachment should not exceed the limit of 30 megabyte.

7. For any technical problems candidates may contact technical support through the link available at the bottom of the following page: <https://pica.cineca.it/univaq.it>. In any case, it should be noted that technical support for the submission of applications is guaranteed only during office hours.



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Art. 4

Application for admission of foreign applicants

1. Foreign nationals, in addition to what is stated in the preceding article and in the documents available in the telematic procedure, must declare in the application that they are in possession of their civil and political rights in their country or, supply the reasons for lack thereof;

The qualifications that EU citizens intend to submit must be reported in the curriculum vitae in the same manner as indicated in Article 3 above.

2. Non-EU citizens with a regular residence permit may use the Personal Declarations of Certification in accordance with the procedure laid down for EU citizens whenever it is necessary to provide proof of status, facts or personal qualities certifiable or confirmable by Italian public agencies or if the production of self-executed certificates takes place under international agreements between Italy and the applicant's country of origin.

Non-EU citizens who do not hold a regular residence permit must indicate in their curriculum the qualifications they hold that they intend to submit for the Examining Board's evaluation. They must also upload to the PICA platform, the titles, certificates and documents, proving what is declared in the curriculum vitae, issued by the competent authorities of the State of which they are nationals or of non-EU countries, legalized by the competent Italian consular authorities or by an official translator.

Pursuant to Art. 7, Paragraph 3 of the University Regulations for the awarding of research contracts in accordance with Art. 22, Italian Law n. 240, 30 December, 2010, the Examining Board shall assess the equivalency of the qualification to be obtained abroad for the procedure.

Art. 5

Application Submission Procedure, Deadline and Publications

1. Scientific publications deemed useful for evaluation purposes must be attached to the application, in the maximum number as indicated in Attachments A and B to this notice.

The files containing the publications, attached in PDF format, shall not exceed the limit of 30 megabyte.

Publications contained in the list attached but not submitted shall not be assessed.

Works published in Italy will be assessed if they comply with legal standards and are pursuant to Leg. Decree n. 660/1945 as amended by Italian Law 106/2004 and Presidential Decree n. 252/2006. This requires certification to be provided with the application or a personal declaration pursuant to Presidential Decree n. 445/2000; for works published abroad the date and place of publication must be indicated.

Publications written in a foreign language must be accompanied by a certified translation into Italian by official translator or consulate/embassy. The translation process is not required for publications written in French, English, German and Spanish.

2. Qualifications that candidates intend to submit must be held by applicants within the deadline for application submission.

Candidates shall not be able to modify their applications or submit additional titles and publications after the indicated deadline.

Art. 6

Exclusion from the Selection Procedure



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1. Candidates are conditionally admitted to the selection procedure; therefore, applications deemed as lacking the required elements specified in the selection announcement or not in compliance with what specified in Article 3 or in all other cases provided for in the present announcement shall be excluded by Rector's Decree.
2. Candidates shall be notified of the said exclusion by the certified e-mail (PEC) indicated in the application and registered to the candidate. If a certified e-mail (PEC) is not indicated, the University Administration shall notify the candidate to the selected mailing address included in the application, declining all responsibility for any non-deliveries.
3. In any case the following shall be cause for exclusion:
 - not including official declaration of equivalency of the Ph.D. obtained abroad issued by the relevant authorities of the foreign country or a copy of the application for obtaining such a declaration;
 - not including a copy of a valid identification document.

Art. 7

Nomination of the Examining Board and Time Limits of the Selection Procedure

1. The Examining Board is appointed by a Rector's Decree, taking into account the provisions of Article 6 of the University Regulations for the awarding of research contracts, pursuant to Article 22, Law n. 240, 30 December 2010.

The Rector's Decree appointing the Examining Board shall be published on the University's Albo Ufficiale and on the University website.

2. From the date the Rector's Decree nominating the Examining Board is published candidates have **10 (ten) days to state their opposition** to any of the components of the Board. After this period, and anyhow after the Board's taking office, no instances may be presented.

3. The Board is to conclude all necessary actions within thirty (30) days from the date of publication of the Rector's Decree nominating its members, drawing up a merit ranking. The Rector may extend the deadline only once and for no more than thirty (30) days in the case of documented reasons brought forth by the President of the Board.

If all procedures are not concluded even within the extended deadline, the Rector shall proceed to the substitution of the Board members.

Art. 8

Renouncing Participation

1. Candidates wishing to renounce participation in the selection procedure are required to write to the Rector to declare their intentions, including in their letter a photocopy of a valid identity document.

The waiver petition may be submitted by certified e-mail (PEC) to the address protocollo@pec.univaq.it, indicating the call for applications code in the subject line.

If the candidate does not show up on the date scheduled for their interview, this shall be considered final renunciation to the selection procedure.

Art. 9

Method of carrying out the selection

1. The Examining Board must, in the following order:



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- establish the criteria to assess qualifications and interview;
- assess the admission requirements provided for by Art. 2 above;
- interview the candidate and assess the qualifications as provided for in Art. 8 of the University Regulations for the awarding of research contracts, pursuant to Art. 22, Law n. 240, 30 December 2010;

2. Candidates are assessed comparatively based on the following criteria (Art. 8 of the University Regulations):

- quality, originality and innovativeness of the project proposal, with reference to the research programme object of the selection (maximum score: 30);
- connection and relevance of previous research activities as well as work experience, if any, in relation to the content of the research programme object of selection (maximum score: 10);
- relevance of the publications submitted to the research programme object of the selection (maximum score: 10);
- interview aimed at assessing the candidate's suitability for carrying out the research activities object of the contract and the implementation of the project proposal submitted as well as the candidate's knowledge of English and/or other languages relevant to the research (maximum score: 50).

For each candidate, the Examining Board must analytically report in the minutes an overall motivated judgement, the qualifications assessed and the score awarded. The result of the evaluation of qualifications shall be made public on the relevant page of the university website at least ten (10) days before the interview.

3. The interview **shall be carried out using telematic technology** in analogy with the University's Regulations concerning the procedures for carrying out the interviews using telematic technology in selection procedures for fixed-term researchers as well as the interviews for testing language skills in selection procedures for First and Second Tier professors established by the Rector's Decree n. 198-2023, 3 March, 2023 and is aimed at assessing the candidate's suitability for carrying out the research activities object of the contract and the implementation of the project proposal submitted as well as the candidate's knowledge of English and/or other languages relevant to the research.

4. After the publication of the minutes n. 2 of the Examining Board, indicating the list of candidates admitted, the candidate shall be invited via e-mail by the Settore Concorsi e Selezioni Office to fill in and send to the address contrattidiricerca@univaq.it the statement indicating any information to be provided for in order to access the interview as well as to be available at the address communicated in advance. The candidate's failing to submit the statement above, to stay connected, to be unavailable on the appointed day or time, or to produce a valid identification document shall be cause for exclusion from the selection procedure. The University Administration declines all responsibility for the possibility that technical reasons may prevent the smooth conduct of the oral test.

On the basis of the total scores awarded (sum of the qualifications assessment and the grade obtained at the interview) **and considering the minimum score of 70 points out of 100** to be included in the merit list referred to in Article 1 of this announcement, the Examining Board shall draw up the merit list and identify the winner. In case of equality, preference shall be given to the youngest candidate.

Art. 10
Determining Validity of Proceedings



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1. The formal validity of the proceedings is established by a Rector's Decree, which shall be published on the University's Albo Ufficiale and on the University website. The merit ranking may be used only in case of forfeiture or renouncing taking service from the winner of the selection procedure.

The date of publication of the merit ranking represents official notification and from that date the terms to file a complaint shall run.

If the Rector finds any irregularities in the proceedings, he/she may make a motivated request to the Board to obtain rectification assigning at the same time a deadline.

2. The Rector's Decree is immediately passed on to the Settore Personale Docente e Ricercatori Office and to the Department that has requested the selection procedure. The candidate selected shall also be notified.

Art. 11

Drawing-up of contract, incompatibilities, ways of carrying out the activities

1. A two-year, fixed-term subordinate employment contract, "Research Contract," shall be underwritten by the University and the winner, pursuant to Art. 22, Law n. 240/2010, to weigh on the funds indicated in the introduction to this announcement.

2. The date of taking service of the research contract holder is established by a resolution of the Board of Directors and the related contract shall be underwritten within thirty (30) days following the communication of approval of taking service.

3. Research contracts are incompatible with:

- a) any other part-time or fixed-term subordinate employment contract at public or private bodies;
- b) holding research contracts also in other Universities or public research bodies;
- c) attending degree courses, specialist or master's degree courses, Ph.D. or specialization courses in Italy or abroad, and involving placement on unpaid leave for the public administration employee.

4. The research contract cannot be accumulated with any other scholarship or research grant from national or foreign institutions, except those exclusively for the international mobility for research purposes.

5. Notwithstanding the foregoing, the research contract holder cannot carry out activities that may determine a situation of conflict of interest with the activities of the University or that do not allow the smooth running of the research activities.

6. The University reserves the right not to proceed with drawing up the research contract in the event contingencies of a regulatory, organizational or financial nature should arise that prevent the stipulation. Holding the contract does not give any rights to be hired by the University nor may be counted for the purposes of Art. 20, Leg. Decree n. 75, 25 May 2017.

7. The contract holder is entitled, for the entire duration of the relationship, to a comprehensive gross annual salary as referred to in Art. 4, paragraph 4, letter i) of the Regulations concerning the awarding of research contracts pursuant to Art. 22, Italian Law 240/2010.

The contract holder shall carry out his/her activities concerning the above-mentioned research project at the Department indicated in Attachments A and B in coordination with the Scientific Coordinator or with the Director of the relevant Department. The Contractor must submit a specific scientific report yearly and at the end of the contract.

Art. 12

Termination of the Contract



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1. The termination of the employment relationship is determined, in addition to occurred forfeiture, by the expiry of the time limit or the withdrawal by one of the parties and by any other cause for termination provided by law.
2. Each contract holder may withdraw from the contract before the expiry of the time limit, provided one of the reasons occur that, pursuant to Art. 2119 of the Civil Code, do not allow the continuation, even temporarily, of the employment relationship, or due to supervening impossibility.
3. It is resolutive condition of the contract, without prior notice, the cancellation of the recruiting procedure.
4. It represents just cause to withdraw from the contract failure to submit the technical-scientific report as well as failure of approval by the Scientific Coordinator of the research.

Art. 13

Personal Data

1. The processing of candidates' personal data is disciplined by Leg. Decree n. 196, 30 June 2003 and UE Regulation n. 679/2016. Personal data supplied by the candidates in the application form shall be collected by the offices of the University and processed for the purposes of the procedure and for the management of relations ensuing therefrom.
The provision of said information is compulsory, on pain of exclusion.
2. Candidates are entitled to exercise the rights provided in the Legislative Decree mentioned above, including the right to access the data concerning them, the right to rectify, update, complete or erase erroneous or incomplete data or data collected in a manner that is contrary to law, and to object to processing for legitimate reasons.
3. The Controller of the processed data is the University of L'Aquila with registered office in Piazza Santa Margherita, n. 2, 67100 – L'Aquila. The designated Data Protection Officer can be contacted at the following mail address: rpd@strutture.univaq.it.

Art. 14

Head of the Selection Procedure

1. The person in charge for the process of this selection procedure is dr. Loredana Taccone, serving in the Settore Concorsi e Selezioni Office of the University of L'Aquila, e-mail: conc@strutture.univaq.it.
Any clarifications regarding this call for applications can be directed to the following e-mail address: conc@strutture.univaq.it; for telephone contacts see bottom of the first page of this announcement.

Art. 15

Disclosure and Final Rules

1. This announcement, as well as the decree concerning the nomination of the Examining Board, the decree concerning the candidates admitted, the proceedings of the Examining Board, properly deprived of sensitive data, the approval of the proceedings are made available to the public on the University's Albo Ufficiale at <https://www.univaq.it/section.php?id=1391> and posted on the relevant page of the university website at <https://www.univaq.it/section.php?id=1532>.
Notice of this call in Italian and in English will also be published on the Ministry of Education, University and Research website at <https://bandi.miur.it/> and in the portal of the European Union at: <http://ec.europa.eu/euraxess>.



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2. For all matters not provided for in this call for applications, the current University Regulations for the awarding of research contracts, the relevant legislation in force, insofar as compatible, shall apply. The same call constitutes *lex specialis* of the selection, therefore participation in the same implies implicit acceptance, without reservation, of all the provisions contained therein.

L'Aquila,

The Rector
Prof. Fabio Graziosi

ATTACHMENTS: A, B



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ATTACHMENT A

N. of positions	1
Research programme	Research Programme CN00000013 “National Centre for HPC, Big Data and Quantum Computing”, Spoke 5 “Environment and Disasters”
Type of contract	Fixed-term research contract, pursuant to Article 22, Law n. 240/2010, as amended by Leg. Decree n. 36, April 30, 2022, converted, with amendments, by Law n. 79, June 29, 2022.
Period	24 months
Place of work	Department of Physical and Chemical Sciences
Scientific Coordinator	Prof. Leonardo Guidoni
Scientific Disciplinary Group	03/CHEM-06 - Chemical Foundations of Technologies
Academic Discipline	CHEM-06/A - Chemical Foundations of Technologies
Description of the research project in which the post doc researcher shall be involved	The project shall focus on the study of biological molecules through simulations based on the use of High-Performance Computing infrastructures. In particular, the project shall be carried out within the study of the mechanisms at the basis of natural and artificial photosynthesis.
Profile of the researcher to be hired	Proven experience in molecular simulations and in the use of simulation methodologies in the field of High Performance Computing. The ideal candidate shall have advanced skills in the use of simulation tools, among which classical and mixed/as well as classical molecular dynamics. A solid international research experience is required, documented by high-profile publications and ability to collaborate with international research groups.
Foreign language requisite	English
Admission Requisites	Requisites as provided for by Art. 22, Law n. 240, 30 December 2010.
Assessment criteria (maximum score: 100)	Applicants are comparatively assessed on the basis of the following criteria: a) quality, originality and innovativeness of the project proposal, with reference to the research programme object of the selection (maximum score: 30); b) connection and relevance of previous research activities as well as work experience, if any, in relation to the content of the research programme object of selection (maximum score: 10); c) relevance of the publications submitted to the research programme object of the selection (maximum score: 10);



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	d) interview aimed at assessing the candidate's suitability for carrying out the research activities object of the contract and the implementation of the project proposal submitted as well as the candidate's knowledge of English and/or other languages relevant to the research (maximum score: 50).
Maximum number of publications	5
Remuneration	The remuneration payable for the total period of the contract (24 months) is equal to € 107.000,00, included charges to be borne by the administration and by the subject concerned provided by law.
Type of funding	The cost of the contract shall weigh on the funds allocated to the project : HPC_BIG_DATA_QUANTUM
CUP	E13C22001000006
Economic coverage of the cost of the contract	Budget item: UA.ATE.AMCEN.PROG Project Code: UGOV: HPC_BIG_DATA_QUANTUM
Useful information for submitting the project proposal by applicants	The project proposal submitted by the candidate must be articulated in: a) Project abstract; b) State of the art (appropriately referenced); c) Objectives (with clear reference to the methodologies proposed); d) Expected results; e) Impact and relevance of the research proposed. The candidate's project proposal must have a maximum length of 10.000 characters (spaces excluded).



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ATTACHMENT B

N. of positions	1
Research programme	SMART CITY and PNRR Young Researchers - PlasmXUV
Type of contract	Fixed-term research contract, pursuant to Article 22, Law n. 240/2010, as amended by Leg. Decree n. 36, April 30, 2022, converted, with amendments, by Law n. 79, June 29, 2022.
Period	24 months
Place of work	Department of Physical and Chemical Sciences
Scientific Coordinator	Prof. Nicoletta Spreti and dr. Di Mauro Villari
Scientific Disciplinary Group	03/CHEM-01 - Analytical, Environmental and Cultural Heritage Chemistry
Academic Discipline	CHEM-01/B - Chemistry for the Environment and for Cultural Heritage
Description of the research project in which the post doc researcher shall be involved	<p>The project aims at developing innovative biocompatible nanostructured systems with applications in several strategic environments: from the green organic synthesis to the preservation of cultural heritage up to advanced food packaging. The activities are fully set out in the framework of the PNRR objectives, promoting responsible innovation, ecological transition, adopting the DNSH (Do No Significant Harm) principle and the values of open science.</p> <p>The post doc researcher shall be involved in the chemical-physical preparation and characterization of hydrogel, organogel and eutectic mixtures (DES) designed for:</p> <ul style="list-style-type: none">• the selective and sustainable removal of biological, organic and/or inorganic contaminants from surfaces of historic-artistic interest;• the development of clean methods for the renovation of works subject to acts of vandalism or the degradation of protective materials;• the use of eutectic, nonvolatile solvents alternative to VOCs for the organic/inorganic synthesis and the extraction of substances from complex matrices. <p>Moreover, ample space shall be given to the use of advanced spectroscopic techniques for the characterization of the materials and surfaces processed, with particular attention to the surface-enhanced methodologies (such as SERS - Surface-Enhanced Raman Spectroscopy and SEIRA - Surface-</p>



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	Enhanced Infrared Absorption), that shall allow to obtain sensitive, selective and non-destructive analyses on substrates of high historical and artistic value.
Profile of the researcher to be hired	<p>The researcher shall prove to know the methodologies for the chemical-physical preparation and characterization of the nanostructured systems object of the project and a solid experience in the spectroscopic techniques such as UV-Vis, FTIR, NMR and, in particular, of stereoscopic and electronic microscopy.</p> <p>He/she shall document a research activity in the use of these systems in the different areas of applications proved by publications in indexed international journals and participation in national and international conferences in the relevant academic discipline.</p>
Foreign language requisite	English
Requisiti di partecipazione	Requisites as provided for by Art. 22, Law n. 240, 30 December 2010.
Assessment criteria (maximum score: 100)	<p>Applicants are comparatively assessed on the basis of the following criteria:</p> <ul style="list-style-type: none">a) quality, originality and innovativeness of the project proposal, with reference to the research programme object of the selection (maximum score: 30);b) connection and relevance of previous research activities as well as work experience, if any, in relation to the content of the research programme object of selection (maximum score: 10);c) relevance of the publications submitted to the research programme object of the selection (maximum score: 10);d) interview aimed at assessing the candidate's suitability for carrying out the research activities object of the contract and the implementation of the project proposal submitted as well as the candidate's knowledge of English and/or other languages relevant to the research (maximum score: 50).
Maximum number of publications	5
Remuneration	The remuneration payable for the total period of the contract (24 months) is equal to € 104.000,00, included charges to be borne by the administration and by the subject concerned provided by law.



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Type of funding	The cost of the contract shall weigh on the funds allocated to the project: SMARTCITY (Spreti Nicoletta - 12 months: € 52.000) PNRR - MUR Young Researcher (Di Mauro Villari Leone - 9 months: € 39.000) DOMPÈ 23 MARINI (Marini - 3 months: € 13.000)
CUP	E94G14000960008 (SMARTCITY) E17G24000510001 (Plasmxuv PNRR - MUR Young Researchers)
Economic coverage of the cost of the contract	Budget item: UA.ATE.DSFC Project codes UGOV: NAZ_ALTRO14CASIE012841 13540 PLASMXUV 11292 DOMPE23
Useful information for submitting the project proposal by applicants	The project proposal submitted by the candidate must be articulated in: a) Project abstract; b) State of the art (appropriately referenced); c) Objectives (with clear reference to the methodologies proposed); d) Expected results; e) Impact and relevance of the research proposed. The candidate's project proposal must have a maximum length of 10.000 characters (spaces excluded).