

**[FOR INFORMATION ONLY. THE ONLY VALID TEXT IS THE
ITALIAN ONE]**

**CALL FOR APPLICATIONS FOR THE AWARD OF NO. 2 RESEARCH CONTRACTS PURSUANT
TO ART. 22 OF LAW NO. 240/2010 AT THE UNIVERSITY OF ROMA TRE**

HAVING REGARD TO Law no. 300 of 20/05/1970, “Provisions on the protection of the freedom and dignity of workers, trade union freedom and trade union activity in workplaces, and provisions on employment”;

HAVING REGARD TO Law no. 168 of 09/05/1989, “Establishment of the Ministry of Universities and Scientific and Technological Research”, concerning, among other things, the autonomy of universities;

HAVING REGARD TO Ministerial Decree of 29/10/1991 by which Roma Tre University was established;

HAVING REGARD TO the current Statute of Roma Tre University;

HAVING REGARD TO Law no. 241 of 7 August 1990, “New provisions on administrative procedure and the right of access to administrative documents”;

HAVING REGARD TO Presidential Decree no. 445 of 28 December 2000, “Consolidated Text on administrative documentation”

HAVING REGARD TO Legislative Decree no. 165 of 30/03/2001, “General rules on the organization of labor in public administrations”

HAVING REGARD TO Legislative Decree no. 196 of 30 June 2003, “Personal Data Protection Code”, as amended by Legislative Decree no. 101 of 10 August 2018, and Regulation (EU) 2016/679 “General Data Protection Regulation (GDPR)”

HAVING REGARD TO Law no. 240 of 30 December 2010, “Provisions on the organization of universities, academic staff and recruitment, as well as delegation to the Government to incentivize the quality and efficiency of the university system” and Article 22;

HAVING REGARD TO the National Collective Labor Agreement (CCNL) for the Education and Research sector for the 2019/2021 period, and in particular Article 178, letter g), which, in view of the complexity of certain topics refers to the implementation of the provisions of Article 22 of Law no. 240/2010 to one or more contractual sequences;

HAVING REGARD TO Ministerial Decree no. 639 of 2 May 2024, “Identification of scientific-disciplinary groups and their descriptions, as well as the rationalization and updating of scientific-disciplinary sectors and their alignment with scientific-disciplinary groups, pursuant to Article 15 of Law no. 240 of 30 December 2010”;

WHEREAS on 18 March 2025, the agreement relating to the contractual sequence on the Research Contract pursuant to Article 22 of Law no. 240/2010 was signed;

HAVING REGARD TO the Regulation on recruitment, mobility, teaching duties, assignment of teaching and supplementary teaching responsibilities, and the issuance of authorizations for

external activities of professors and researchers employed at Roma Tre University, enacted by Rectoral Decree no. 780/2025, protocol no. 45158 of 10/04/2025;

HAVING REGARD TO the Prime Minister's Decree (D.P.C.M.) of 04/07/2025 concerning the adjustment of the remuneration of university professors and researchers pursuant to Law no. 240 of 30/12/2010, effective from 2025;

HAVING REGARD TO the proposal of the Council of the Department of Civil, Computer Science and Aeronautical Technologies Engineering dated 09/07/2025, regarding the activation of a public selection procedure for the award of no. 2 research contracts pursuant to Article 22 of Law no. 240 of 30 December 2010, funded by the Project FIS-2023-03472, "Strong Nano-Architected Materials by Residual StrEss control" CUP F53C24001760001, under the scientific responsibility of Prof. Marco Sebastiani;

HAVING REGARD TO the resolutions of the Academic Senate of 17/09/2025 and the Board of Directors of 24/09/2025 approving the proposal of the Department Council;

HAVING REGARD TO the subsequent resolutions of the Council of the Department of Civil, Computer Science and Aeronautical Technologies Engineering dated 10/09/2025 and the note from the Director of the aforementioned Department dated 02/10/2025 regarding the total cost of the research contracts.

WHEREAS the requested contracts is financially covered by the funds of the above-mentioned Project.

DECREES

Art.1

Subject of the Call

A public selection is hereby announced for the awarding of no. 2 research contracts, pursuant to Article 22 of Law No. 240 of December 30, 2010, for conducting research activities under a private-law employment contract, with the following terms:

- Two-year contract, renewable only once for an additional two years, at the following Department for the scientific-disciplinary group indicated below:

Department	Civil, Computer Science and Aeronautical Technologies Engineering
n. of places	1
G.S.D.	02/PHYS-04 - Theoretical Physics of Matter, Models, Mathematical Methods and Applications
S.S.D.	PHYS-04 /A - Theoretical Physics of Matter, Models, Mathematical Methods and Applications
Maximum number of publications	12
Language/foreign languages required	English
Research Programme to which the programme is linked	"Strong Nano-Architected Materials by Residual StrEss control" (code FIS-2023-03472) CUP F53C24001760001
Principal Investigator	Prof. Marco Sebastiani
Useful information for candidates submitting a Project Proposal	The candidate will be required to conduct research in the field of hybrid classical-quantum variational algorithms for machine learning, with potential applications in the optimization of stress-resistant topological structures. These theoretical tools must be functional and

	supportive of the experimental activities carried out within the FIS SuNRise project
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Department	Civil, Computer Science and Aeronautical Technologies Engineering
n. of places	1
G.S.D.	09/IMAT-01 - Materials Science and Technology
S.S.D.	IMAT-01/A - Materials Science and Technology
Maximum number of publications	3
Language/foreign languages required	English
Research Programme to which the programme is linked	“Strong Nano-Architected Materials by Residual Stress control” (code FIS-2023-03472) CUP F53C24001760001
Principal Investigator	Prof. Marco Sebastiani
Useful information for candidates submitting a Project Proposal	The ideal candidate is a postdoctoral researcher with documented experience in the fabrication and characterization of micro- and nanostructures using high-resolution additive manufacturing techniques, particularly Two-Photon Lithography (TPL). Consolidated expertise in controlled pyrolysis processes of polymer structures and morphological validation using scanning electron microscopy (SEM) is required. Familiarity with the design of three-dimensional architectural structures, thermal post-processing, and interaction with multidisciplinary teams for the integration of thin functional coatings completes the profile. Therefore, the following are required: • Experience in the design and fabrication of nano-architectural structures using Two-Photon Lithography. • Expertise in conducting pyrolysis thermal treatments for the conversion of polymer structures into ceramics. • Mastery of scanning electron microscopy (SEM) techniques for morphological validation and dimensional control of structures. • Ability to work in interdisciplinary research environments and to interface with groups involved in thin film deposition and mechanical simulations.

Art. 2

Eligibility Requirements

The public selection for the awarding of the research contracts referred to in Article 1 is open to candidates of any nationality who hold a Ph.D. or equivalent qualification, obtained in Italy or abroad.

Applicants who are enrolled in the final year of a Ph.D. program or in the final year of a medical specialization course may also apply, provided that the degree is awarded within six months from the publication date of this call.

Additionally, the following requirements must be met both by the deadline for submission of the application and at the time of signing the employment contract:

- possession of civil and political rights (for foreign citizens or those without refugee or subsidiary protection status, this refers to the rights in their country of citizenship);
- physical fitness for the job; the University reserves the right to subject selected candidates and those hired through ranking shifts to a medical examination, in accordance with current regulations;
- compliance with compulsory military service obligations (required only for Italian citizens born before 1985);
- not having been dismissed or removed from employment in a Public Administration for persistent poor performance;
- not having been declared disqualified from another public position under Article 127, letter a), of Presidential Decree No. 3 of January 10, 1957;
- not having any criminal convictions with a final judgment that would prevent employment in a public administration.

Those who are not eligible to apply are those who:

- are permanent staff members, hired on open-ended contracts, of universities, public research bodies, or institutions whose advanced scientific education diploma has been recognized as equivalent to a Ph.D. under Article 74, paragraph 4, of Presidential Decree No. 382 of July 11, 1980;
- have benefited from fixed-term Tenure Track researcher contracts (RTT) under Article 24 of Law No. 240 of 2010, as amended by Decree Law No. 36/2022 converted into Law No. 79/2022;
- have a relationship of kinship or affinity up to the fourth degree with a professor in the department that proposed the contract, or with the Rector, the Director General, or a member of the Board of Directors;
- are or have been employed on a permanent basis as full or associate professors or university researchers, even if they have since left the position;
- have held contracts under Article 22 of Law No. 240/2010, as amended by Law No. 79/2022, for a period which, when combined with the duration of the contract offered in this call, exceeds a total of five years, even if not continuous. Periods of leave for maternity or health reasons, as provided by law, do not count toward this duration.

Candidates are provisionally admitted to the selection procedure; exclusion may be decided at any stage of the process through a reasoned decree by the Rector, which will be formally notified to the candidate concerned.

This Administration guarantees equal opportunities between men and women regarding access to employment and the legal and financial treatment throughout the employment relationship.

Art. 3

Application, Deadline and Submission Procedures

To participate in this public selection procedure, candidates must complete, under penalty of exclusion, the application form attached to this call (Annex “A”), including their personal identification code (Italian fiscal code). The signed application must be submitted by the **peremptory deadline of the thirtieth day** following the publication date of the notice in the *Official Gazette*.

The application and all accompanying documents must be submitted via **certified email (PEC)** to the address: reclutamento.docenti@ateneo.uniroma3.it, provided that the sender can be identified in accordance with Article 65 of Legislative Decree No. 82 of March 7, 2005 (“Digital Administration Code”) through their personal certified email (PEC). No other submission methods will be accepted. The sending date will serve as proof of submission. If the deadline falls on a public holiday, it will be extended to the next working day.

The application must be completed in accordance to the instructions in the procedure. Documents may only be attached in PDF format (**file names must be no longer than 50 characters**). The application must include a contact address for the purposes of the selection, a phone number and an email address for communication with the University. The Administration will not assume any responsibility for any failure in communications due to incorrect details provided by the applicant or failure to notify any change of address or contact details nor for any technical issues beyond its control or due to unforeseeable circumstances.

In the application, the candidate must declare, under penalty of exclusion and under their own responsibility, in accordance with Presidential Decree No. 445/2000 and aware of the criminal penalties for false statements:

1. their full name, date and place of birth, contact address for the selection (including postal code), telephone number, and email address;
2. if Italian citizen, the municipality in which they are registered on the electoral roll, or the reason for non-registration or removal; if not an Italian citizen, that they enjoy civil and political rights in their home country or the reason for not enjoying such rights;
3. whether they have any criminal convictions or pending criminal proceedings; if so, these must be specified;
4. the position for which they are applying;
5. that they are physically fit for the job;
6. their military status (if applicable);
7. that they possess the eligibility requirements set out in Article 2;
8. that they have sufficient knowledge of the Italian language (for foreign applicants only);
9. that they have not been dismissed, removed, or terminated from a Public Administration due to persistent poor performance, nor dismissed for disciplinary or criminal reasons, nor disqualified from another public position for having obtained it through false documents;
10. that they are not permanent staff members of universities, public research bodies or institutions whose advanced degrees are considered equivalent to a Ph.D.;
11. that they have not held fixed-term Tenure Track researcher contracts under Article 24 of Law 240/2010, as amended by Law 79/2022 on the conversion of the Law Decree n. 36/2022;

12. that they do not have any kinship or affinity up to the fourth degree with a professor from the department or center proposing the contract or with the Rector, Director General or any member of the Board of Directors;
13. that they are not, and have not been, on a permanent contract employed as full or associate professors or university researchers, although no longer in service;
14. that all attached publications, documents, and qualifications are true copies of the originals;
15. that the information provided in the attached CV is accurate.

Candidates with disabilities recognized under Law No. 104 of February 5, 1992, must indicate in the application any assistance required and whether they need additional time for the selection process.

Any changes to the declarations made must be promptly communicated to the Rector – Office for Faculty and Researcher Recruitment, Via Ostiense 133, 00154 Rome, via email with a valid identity document attached.

Pursuant to Article 3 of Presidential Decree No. 445/2000, citizens of non- EU countries legally residing in Italy may use self-certifications only for:

- facts, states and qualities that can be certified or attested by Italian public authorities, without prejudice to specific provisions on immigration and foreigner status;
- facts, states and qualities that can be certified based on international agreements between Italy and the country of origin of the declarant, with a reference to the convention invoked and the act with which it was adopted in Italian law.

In all other cases, facts and personal qualifications must be certified by the relevant authority of the foreign state and accompanied by an Italian translation authenticated by the Italian consular authority, certifying its conformity with the original.

Art. 4

Documentation to Be Attached to the Application

The application must be accompanied by the following attachments, in non-editable PDF format (**file names no longer than 50 characters**):

- a) a research proposal developed within the research program defined in Art. 1;
- b) a detailed, dated and signed list of publications and/or patents the candidate deems relevant to the procedure, as provided in Art. 1;
- c) the publications and/or patents listed in point (b), up to the maximum number permitted in Art. 1;
- d) a curriculum vitae, with self-certification status under D.P.R. 445/2000, as a rule in European format, duly dated and signed, explicitly and thoroughly detailing scientific and professional activity;
- e) a valid identity document (front and back). EU citizens must submit either a passport or national identity card; non-EU citizens must submit a passport.

Publications or patents included in the respective lists but not attached as well as any publication or patent attached but not included in the respective list will not be considered.

Damaged or unreadable files are excluded. All patents must be owned at the time of submission; publications must already be published by then. Documents submitted after the deadline will not be evaluated.

Attachments in languages other than French, English, German, or Spanish must be accompanied by an Italian translation certified by a consular or diplomatic authority or an official translator. References to documents submitted to this or other administrations or attached to other applications are not allowed. Late submissions will not be considered.

Art. 5

Evaluation Committee

For each position, a Selection Committee constituted in accordance with Article 10, Paragraph 7 of the Regulations for the Calling, Mobility, Teaching Assignments, Granting of Teaching and Integrative Teaching Assignments, Authorization for External Activities of Professors and Researchers in Service at Roma Tre, is appointed by Rectoral Decree on proposal of the Department Council, published on the University bulletin board. From that publication date, candidates have 30 days to request recusals of commission members; after this period or once the committee is seated, no recusals are allowed.

The Committee must conclude its work within 3 months from the appointment date. For justified, exceptional reasons, the Rector may grant one extension of up to 2 months. In case of failure to finish the work in time or in the event of an extension without the conclusion of the work the Rector shall proceed with the revocation of the Committee's appointment and assignment of a new committee with a new deadline.

Art. 6

Selection Process and Criteria

Selection is based on comparative evaluation of candidates' research proposal and is aimed at assessing the adherence of the project proposals with the research program that is the object of the selection, as well as candidates' possession of a scientific-professional curriculum suitable for carrying out the research activity that is the object of the contract, supplemented by a public interview to assess research aptitude. Candidates must submit all required documentation with their application as specified in the call.

Evaluation of comparative criteria includes:

- a) quality, originality, and innovation of the research proposal with reference to the research program object of the selection
- b) relevance of previous research activities and work experience to the research program;
- c) relevance of attached publications to the research program;
- d) oral interview to assess suitability for the research activity, the quality of the proposal and knowledge of English and/or other relevant research languages specified in Art. 1. Foreign candidates must demonstrate adequate knowledge of Italian.

Absence from the interview (in person or online) is considered withdrawal from the procedure.

The Commission, once the evaluation of the individual criteria has been concluded and the interview with all candidates has been carried out, collectively expresses a reasoned overall judgment for each candidate based on the scores given in points a), b), c) and d) above. Finally, the Commission draws up a merit ranking considering the scores obtained by each

candidate. The evaluation scores, assigned based on the established criteria, must be disclosed to the candidates prior to the interview. Once the evaluation of the individual criteria has been completed and all candidates have been interviewed, the Committee shall collectively issue a reasoned overall assessment for each candidate, based on the scores assigned to points a), b), c), and d). Finally, the Committee shall draw up a merit ranking based on the scores achieved by the individual candidates.

The contract(s) shall be awarded to the candidate(s) who have obtained the highest overall score, according to the order of the final ranking. In the event of a tie, preference shall be given to the younger candidate. Should there be justified and additional needs related to the execution of the same research project, the Department Council that requested the initiation of the procedure may decide to award additional research contracts to candidates who are suitably ranked, provided that the availability of the necessary financial resources has been confirmed.

For each position, the selection outcome is formalized by Rectoral Decree published on the University bulletin board and website in the section dedicated to competitions which can be reached by linking to <http://www.albopretorionline.it/uniroma/alboente.aspx>, declaring winners subject to verification of eligibility requirements. From the publication date, appeals may be filed.

Art. 7

Appointment and Employment Relationship

The research contract takes the form of a fixed-term (24-month) employment contract, specifying the rights and duties of both parties.

At contract signing, the candidate must provide the documentation required by law. Failure to do so in a timely or complete manner will nullify the offer.

If the selected candidate declines or becomes ineligible, the contract may be offered to another qualified candidate according to the ranking.

Non-EU nationals must have valid residence permits. The fixed-term contract cannot automatically be converted into a permanent position.

The holder will engage exclusively in the scientific research described in the contract at the Department's premises coordinating with the Research Supervisor.

Annually and at contract end, the researcher must submit a report on his scientific activity, by means of an appropriate report endorsed by the Research Supervisor or Principal Investigator to be submitted for approval to the Department Council main site of the performance.

Disciplinary matters are governed by Article 7 of Law No. 300/1970, with proceedings and sanctions overseen by the Rector.

Holding a contract does not confer rights to academic appointment.

The contractor is subject to the health checks required by Legislative Decree 81/2008 to be paid for by the University and to the regulations on safety in the workplace.

Art. 8

Incompatibilities and Prohibitions

The research contract is incompatible with:

- enrolment in bachelor's, master's, PhD programs or medical specialization programs, either in Italy or abroad;
- any other employment relationship, including part-time or fixed-term contracts with private entities or public administrations; in the latter case, such employment requires the employee to be placed on unpaid leave from their current position;

It cannot be combined with:

- other research grants at universities or research institutions;
- scholarships or research grants awarded for any reason by national or foreign institutions, including PhD scholarships and compensation related to medical specialization contracts, except for those exclusively intended for international mobility for research purposes.

Without prejudice to the above, the holder of the research contract may not, under any circumstances, engage in activities that could result in a conflict of interest with the University's activities.

Art. 9

Financial, Fiscal, Pension, and Insurance Terms

The total gross annual compensation, including indirect costs (contributions, welfare charges, IRAP), amounts to **€39,594.70**.

The employment relationship is governed by applicable laws covering fiscal, welfare, pension, and insurance treatment for dependent employment. The University also provides insurance for workplace accidents, occupational diseases, and civil liability.

Art. 10

Administrative Officer and Publication

Under Law No. 241/1990, the officer responsible for the procedure is Dr. Massimo Calano – Head of the Academic and Research Staff Recruitment Office, contactable at tel. 0657335227 or email massimo.calano@uniroma3.it.

Art. 11

Processing of Personal Data

Personal data provided by applicants will be processed by Roma Tre University pursuant to Legislative Decree 101/2018 (implementing EU Regulation 2016/679 – GDPR), for managing the selection procedure and potential employment. The Data Protection Officer (DPO), under Art. 37 of EU Regulation 2016/679, is Dr. Simeone Cimmino – Anti-corruption, Transparency and Public Relations, Directorate 9, University of Roma Tre.

Art. 12

Final Provisions

For all matters not covered by this call, the provisions set out in the regulations cited in the preamble to this notice shall apply, as well as the current university regulations and the legislation governing access to employment in the public administration.

The Administration reserves the right, at its sole discretion, to extend or reopen the deadlines of this call, to make any necessary amendments or additions, or to revoke or suspend the call for reasons of public interest.

This decision may be challenged, by administrative appeal, within 120 days from the date of publication, through an extraordinary appeal to the President of the Republic, or, by judicial means, through an appeal to the Regional Administrative Court (TAR), within 60 days from the same date.

This call is also made available in English; however, the only legally binding version is the one in Italian.

Rome, 10/10/2025

DIGITALLY SIGNED THE RECTOR
(Prof. Massimiliano Fiorucci)