



NOTICE OF COMPETITION FOR THE AWARDING OF 40 POSTODOC RESEARCH FELLOWSHIPS

This document cannot be used for legal purposes and is only meant to provide the relevant information in English on the call for applications. For the complete call please see the Italian notice at 15/10/2024

Article 1 Award

The SSM is seeking to award 40 one-year postdoc research fellowships (hereinafter “research fellowships”) in the following research areas:

- *Ancient Mediterranean Archaeology and Cultures (ACMA)*: 4 fellowships,
- *Clinical and Translational Oncology (CTO)*: 4 fellowships,
- *Cosmology, space science & space technology (SPACE)*: 4 fellowships,
- *Genomic and experimental medicine (GEM)*: 4 fellowships,
- *Global History and Governance (GHG)*: 4 fellowships,
- *Law and Organizational Studies for People with Disability* (4 fellowships),
- *Mathematical and physical sciences for advanced materials and technologies (MPHS)*: 4 fellowships,
- *Modeling and engineering risk and complexity (MERC)*: 4 fellowships,
- *Molecular Sciences for Earth and Space (MOSES)*: 4 fellowships,
- *Texts, Traditions and Book Cultures (TTCL)*: 4 fellowships.

The fellowships are renewable for no more than two times (that is, for a maximum of three years overall) and are to be awarded through a public competition based on the evaluation of the candidates’ CVs and qualifications and, for those shortlisted, an oral interview.

Details on the research fields, the research programs, the funding bodies, the place where the work will be performed, the duration of the fellowship, the annual gross amount net of the salary, the publication dates of the shortlists of candidates selected for interview, and of the date of the interviews are provided for each of the areas above in the **Annexes 1-10** to this notice.

Article 2 Applicants’ requirements

Candidates of any nationality, who have obtained their first Ph.D. degree by the deadline of this call can participate. Those who will obtain their first Ph.D. degree no later than six months after the date in which the Call is published can also participate, and in case be awarded a scholarship conditionally on the achievement of the degree within this deadline.

Required qualifications: a **Ph.D.** in one of the disciplinary fields listed for each area in the annexes 1-10; excellent knowledge of both written and spoken **English**.

Preferential requirements: good knowledge **of at least a second or third language** other than the candidate’s mother tongue. For participants in possession of qualifications obtained abroad, the Selection Committee will decide on the validity of these qualifications for participation in the

selection process.

Candidates are required not to be permanent employees of universities, public research institutions or organizations, the *Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile* (ENEA), the *Agenzia Spaziale Italiana* (ASI), or any other institutions awarding titles recognized as equivalent to a Ph.D., such as a Scientific Specialization Diploma (*diploma di perfezionamento scientifico*).

No person who is related by kinship (up to and including the fourth degree) to a professor who belongs to the Steering Committee of the SSM or to the Director-General is eligible to participate to this selection procedure.

Article 3 Application

Application must be submitted by **15/10/2024** only via the online application system available at

<https://pica.cineca.it/ssm/ssm-ass-2024/>

In case of multiple applications to different areas, candidates are required to open and register an account for each application they intend to make.

Candidates must fill all the compulsory fields of the online forms and make all required declarations.

Applicants for the CTO, SPACE, GEM, MPHS, MERC and MOSES programs must upload the following documents:

A.1) the **research project**, written in Italian or in English, which the candidate intends to carry out (no more than 2,500 words, short bibliography included)

A.2) a dated and signed scientific and professional **curriculum vitae**;

A.3) a maximum of **5 scientific publications** chosen from those that are most significant, and representative of the candidate's profile. The publications must clearly report the bibliographic identification data (title, page, ISBN/ISSN, etc.). Forthcoming publications can only be accepted if accompanied by a declaration of acceptance from the appropriate editor/publisher;

Applicants to the ACMA, GHG, LOSPD and TTCL programs are required to upload the following documents:

B.1) the **research project**, written in Italian or in English, which the candidate intends to carry out (no more than 2,500 words, short bibliography included, written according to the template provided in the online application system);

B.2) the **syllabus** of a ten-session (20 hours) seminar intended either for graduate or undergraduate students of the SSM;

B.3) a dated and signed scientific and professional **curriculum vitae** (created using the template provided in the online application system);

a maximum of **three publications** (monographs, articles from journals, essays in collective volumes but not reviews or edited volumes) chosen from those that are most significant, and representative of the candidate's profile. The publications must clearly report the bibliographic identification data (title, page, ISBN/ISSN, etc.). Forthcoming publications can only be accepted accompanied by a declaration of acceptance from the appropriate editor/publisher;

Applicants are also required to upload, whatever program they apply to,

- C.1) a copy of their **Ph.D. dissertation**, accompanied by an **abstract** (max 1,000 words);
- C.2) the scan of a **valid identification document (passport, identity card, etc)**;
- C.3) the **substitute declaration of the deed of notoriety** (to be created using the template provided in the online application system) – an *affidavit* stating that the PhD dissertation, the publications and any other qualifications submitted with their application are faithful copies of the original versions.

Candidates may also indicate the names of two referees willing to write **letters of recommendation** in their support. The referees will automatically receive a link for the upload of their reference letters by the online platform once the application is submitted.

The Administration declines any responsibility for the case of communication losses, due to inaccurate indications of residence and address by the applicant or from failure or late communication of the change of the above, nor for any other telegraphic and/or electronic errors or mistakes not attributable to the Administration itself.

Article 4 Selection Committee

The Selection Committees are appointed by a decree of the Acting Rector of the Scuola Superiore Meridionale upon advice from the SSM Research Coordinators of each of the scientific areas of interest. The Committees will consist of three or five members and two substitutes, chosen among university professors and researchers.

Article 5 Selection Procedure

The selection procedure is based on the assessment of the candidate's qualifications and, for those shortlisted, on an oral interview.

The Selection Committee's assessment and ranking will be based on a total score of maximum 100 points (up to 70 points for the candidates qualifications, research project and publications, and up to 30 points for the interview).

Article 6 Evaluation of Qualifications

Points for the research project, qualifications and publications in the CTO, SPACE, GEM, MPHS, MERC and MOSES programs are awarded as follows:

- 1) up to 20 points for the research project;
- 2) up to 10 points for the Ph.D. qualification, with reference to the relevance of the Ph.D. to the research activities to be undertaken;
- 3) up to 15 points for further university qualifications (undergraduate degrees, other PhDs,

specialization diplomas, master's degrees), related to the research activities to be undertaken, and for documented previous research activities relevant to the activities to be undertaken at public and private academic and scientific institutions in Italy and abroad (postdoc fellowships, grants, etc.);

4) up to 25 points for the scientific publications and doctoral dissertation, taking the following criteria into consideration: originality and innovative nature of the scientific work and its methodological accuracy; relevance for the topics and fields of expertise indicated in the annexes; the scientific standing of the publishers of the publications and their impact within the scientific community.

Points for the research project, qualifications and publications in the ACMA, GHG, LOSPD and TTCL are awarded as follows:

1) up to 24 points for the research project and the syllabus;

2) up to 10 points for the Ph.D. qualification, with reference to the relevance of the Ph.D. to the research activities to be undertaken;

3) up to 15 points for further university qualifications (undergraduate degrees, other PhDs, specialization diplomas, master's degrees), as they relate to the relevance of said qualifications to the research activities to be undertaken, and for documented research activities at public and private academic and scientific institutions in Italy and abroad (postdoc fellowships, grants, etc.);

4) up to 21 points for the scientific publications and doctoral dissertation, taking the following criteria into consideration: originality and innovative nature of the scientific work and its methodological accuracy; relevance for topics and fields of expertise indicated in the annexes; the scientific standing of the publishers of the publications and their impact within the scientific community.

Evaluation of qualifications will precede the interview.

Candidates who score at least 45 out of 70 points in the evaluation of qualifications will be shortlisted for the interview.

The results of the first stage of the evaluation will be communicated together with the date and time of the interview to the candidates via the following <https://www.ssmeridionale.it/bando-di-concorso-pubblico/?categBandi=assegnisti-di-ricerca>

Publication on the above websites is considered for all intents and purposes an official notice; no personal communications will be sent to the interested parties.

Article 7

Shortlist, Interview and Ranking list

The interviews' shortlists and the date on which the interviews will take place will be published on the following websites

The interviews may be held entirely by video conference and will be aimed, among other things, at ascertaining the level of knowledge of the foreign language(s) indicated by the candidates in their CV. Candidates achieving a score of no less than 24/30 will be considered as passing the interview.

The provisional merit ranking will be formulated, in descending order, by adding the score of the

qualifications to that of the interview. In the event two or more candidates achieve the same final score, the younger candidate will get the highest ranking. Grants are awarded within the number of those available, according to the order of the relative ranking.

Article 8 **Selection schedule**

The Selection Committees is required to conclude the selection procedure no more than 60 days after the publication, on the SSM's Official Online Bulletin Board, of the decrees appointing them.

Article 9

The person in charge of the procedure is Dr. Francesca D'Oriano, Head of the relevant office - of the Scuola Superiore Meridionale - Via Mezzocannone No. 4 - 80133 Naples, e-mail: u.personale@ssmeridionale.it

Article 10 **Definitive ranking lists and rankings' approval**

Within thirty days from the acquisition of the minutes of each Selection Committee, the Scuola Superiore Meridionale, having ascertained the regularity of the procedure, approves the outcome of the procedure, formulates the definitive ranking lists, and declares the winners of the public selection.

Article 11 **Starting Date, Activities and Obligations of the Grant Recipient**

The selected candidates will be notified of the steps required for signing the contract. Under penalty of forfeiture, the contract is to be signed within thirty days from the date of receipt of the aforementioned communication. The start of the contract can be postponed only for justified reasons and with the agreement of the Coordinators involved.

Grant-holders will carry out their activities under the scientific supervision of a professor or researcher appointed by the relevant Coordinator. Supervisors will also be responsible for proposing a plan of activities – to be set first when the grant is awarded and then, periodically, at the beginning of each year, and to be validated by the relevant Coordinator.

Fellowship holders are required to submit once a year a detailed written report, approved by their supervisor, on the research activity they carried out. They are also required to present and discuss the results of this activity in at least one documented and publicized annual seminar.

The research activity takes place in Naples at the headquarters of the Scuola Superiore

Meridionale; for the MOSES area only, postdoc fellows will conduct their research at the Scuola Superiore Meridionale or at the Scuola Normale Superiore in Pisa; for the GEM area, postdoc fellows will conduct their research at the Scuola Superiore Meridionale or at TIGEM. Subject to the authorization of the supervisor, research activity can also be carried out for a total period of no more than six months each year, at a foreign university or research organization. The latter will be asked to issue, at the end of the fellow's stay, a certification stating that the research activities carried out are consistent with the overall research program of the fellow.

Fellows are allowed to teach courses in the SSM, as long as this does not infringe on the research activity. Teaching activities cannot exceed the limit of 60 hours per year, are optional, and take place without charges for the SSM and the Federico II University budget. Teaching activities do not imply any right to access permanent positions in Italian universities. At the end of the fellowship, the holder must submit a final report on the activity carried out. The grants do not in any way constitute a subordinate employment relationship.

Article 12

Non-Accumulation; Incompatibility; Leave and Interruptions

The fellowship cannot be combined with any other scholarship awarded for whatever reason, except for those granted by national or foreign institutions in support of research stays abroad..

Beneficiaries may not accumulate it - under penalty of forfeiture - with income from professional activities or employment relationships carried out on a continuous basis.

Simultaneous enrolment in bachelor's, master's or specialisation degree courses, or in Doctoral Programs with studentship, , in Italy or abroad, is incompatible with the fellowship.

The research activity is suspended during the period of compulsory leave due to maternity and duly proven sickness. The entire duration of the grant cannot be reduced due to the aforementioned circumstances. An overall period of justified absence not exceeding thirty days in a year does not constitute suspension and, consequently, is not required to be recovered.

Article 13

Automatic termination of the contract

The contract is automatically terminated for those who interrupt, without justified reason, the activity and for those who are responsible for serious breaches of contract. In this case, a motivated proposal from the appointed supervisor has to be approved by the Committee of the relevant structure.

Article 14

Payments, tax and social security treatment

The research grant is paid, after tax deductions, in deferred monthly instalments of the same amount. Payment is suspended during any period of research activity interruption.

For fiscal matters, please refer to the official Italian-language notice.

The SSM provides insurance coverage to benefit of fellows for accidents and third-party liability, as part of their research activity.

Article 15
Processing of personal data

In accordance with EU Regulation No. 679/2016, candidates are informed that the personal data they provide will be processed solely for the purposes of this procedure and the eventual establishment of the employment relationship and for purposes related to its management.

Article 16

For any matter not covered in this document, please refer to the Regulations of the Scuola Superiore Meridionale concerning the postdoctoral fellowships (Decree n. 18 of March 21, 2024).

Naples, 23.07.2024

ID of the Call for Applications	ACMA_01/2024
Relevant Academic Structure	Human Sciences and Law ACMA
Brief description of the research program	<p>The research program is part of the research line relating to Archaeology and cultures of the ancient Mediterranean</p> <p>The research project will focus on the field of the ancient Mediterranean as well as its post-antique tradition and should be concerned with a specific relevant sub-topic. The areas of study include but are not limited to: archaeology, conservation, architecture, physical anthropology, history, art, philology, technology and applied sciences, museology, and management. The project will be characterized by a contextual and interdisciplinary approach and can adopt either a macro or a micro scale. The candidate will also have to conduct their research in close collaboration with the ministerial and research institutions involved and will participate in the teaching and supervisory activities of the School.</p> <p>Preferred experience includes conducting national and international research, competing in competitive research calls, and performing collaborative work. By way of example, research areas already active at the School include: analysis of interconnections between Mediterranean centers and other cultures; issues concerning central-southern Italy and the Vesuvian sites; interaction between historical, literary and archaeological documentation; projects on digital corpora and new forms of documentation; the reading of traces and study of the materiality of artifacts and remains; and the sector of restoration, conservation and best practices in heritage management.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	<p>10/ARCH-01 Archaeology; 10/STAN-01 Greek and Roman History; 10/FICP-01 Greek and latin philology, early Christian literature, papyrology; 10/HELL-01 Greek Language And Literature; 10/Lati-01 Latin Language And Literature; 08/Cear-11 Conservation And History Of Architecture.</p> <p>Furthermore, for Projects centered in any case on humanistic Themes: 01/Info-01 Informatics; 02/Phys-06 Physics For Life Sciences, Environment, And Cultural Heritage, Physics Education And History Of Physics ; 03/Chem-01 Analytical, Environmental And Cultural Heritage Chemistry ; 04/Geos-01 Mineralogy, Petrology, Geochemistry, Volcanology, Georesources And Applications; 05/Bios-03 Zoology And Anthropology</p>
Scientific supervisor	Carlo Rescigno
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	CTO_02/2024
Relevant Academic Structure	Clinical and Translational Oncology
Brief description of the research program	<p>Cancer is a complex heterogenous disease that has been mostly studied in a cell autonomous manner in the past decades. It is now clear that, in order to dissect cancer complexity, tumors have to be studied as a whole considering all the players in the tumor micro- (and macro-) environment (TME) including systemic factors, the cancer microbiome and the influence of environmental exposures. The release of hormones, cytokines, chemokines and oncometabolites into the tumor microenvironment promotes the recruitment of immunosuppressive cells and confers a protumoral phenotype on stromal cells, thus creating an environment that fosters tumor growth. The stimuli received from the microenvironment, the metabolic changes in the TME and the accumulation of immunosuppressive cells shape the genetic and epigenetic profile of the tumor cells which thus acquire the ability to evade the immune system recognition and a genetic and epigenetic plasticity that allows them to develop drug resistance, change from epithelial to mesenchymal phenotype and vice versa, increase motility and invade other organs.</p> <p>The malignancy and aggressiveness of tumors therefore does not depend exclusively on intrinsic factors linked to genetic mutations, but also on extrinsic factors which include the complex network of interactions with immune, stromal and extracellular matrix cells which influence the metabolism, genetics and epigenetics of tumors. Therefore, to better understand the complexity of tumors and identify new therapeutic targets it is necessary to have a multi-disciplinary approach that integrates multi-omics analyses (genetics, epigenetics, proteomics and metabolomics) of tumors, spatial omics, i.e. cellular organization and the interaction between the various components of the TME along with the clinical data of the patients. Such complexity can now be unravelled also thanks also to the help of artificial intelligence.</p> <p>In this context our aim is to tackle current challenges in oncology focusing in particular on tumors that have a high social impact such as breast cancer, characterized by high incidence and mortality rates. The project aims to:</p> <ul style="list-style-type: none"> - dissect the genetic, epigenetic and metabolic pathways altered both in tumor cells and in cells of the microenvironment that generate a vicious circle that favors malignant transformation, cancer progression and resistance to specific treatments; - identify specific drugs or drug combinations capable of inhibiting this complex network of interactions; breaking this vicious circle could have a major impact in the clinical practice. Approaches aimed to improve the effectiveness of current drugs or to identify novel agents or drug combinations will be studied using models that more faithfully mimic the complex microenvironment.

<p>GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf</p>	<p>Medical Oncology (ex MED 06) SSD= MEDS-09/A; GSD = 06/MEDS-09 BLOOD DISEASES, ONCOLOGY AND RHEUMATOLOGY</p> <p>Experimental Medicine and Pathophysiology (ex MED 04) SSD= MEDS-02/A; GSD = 06/MEDS-02 EXPERIMENTAL MEDICINE, PATHOPHYSIOLOGY AND CLINICAL PATHOLOGY</p>
<p>Ambiti disciplinari</p>	<p>Oncologia Molecolare</p>
<p>Scientific supervisor</p>	<p>Prof. Michelino De Laurentiis</p>
<p>Duration (in years)</p>	<p>1 year (renewable to 3 years)</p>
<p>Yearly amount (net – charges borne by the SSM)importo lordo annuo al netto degli oneri a carico dell’Ateneo</p>	<p>€ 35.000</p>

ID of the Call for Applications	SPACE_03/2024
Relevant Academic Structure	Scientific-Technological
Brief description of the research program	<p>The research program pertains to the research focus on Cosmology, Space Science & Space Technologies (SPACE)</p> <p>The activity of the candidate will be located in at least one of the following multidisciplinary research areas:</p> <ul style="list-style-type: none"> i) Theoretical and Observational Cosmology, Cosmography, Use and Analysis of Cosmological Data, Bayesian Inference, Knowledge of Boltzmann Solver Codes (such as CAMB and CLASS), analysis codes (CosmoMC, Monte Python and MultiNest), programming languages (Fortran, Python , C ++); ii) Fundamental Physics and Cosmology, Astroparticle Physics and Multi-messenger Astrophysics, Theories of Gravitation, Neutrino Physics, Stellar Astrophysics and Stellar Evolution iii) Aerospace and Aerodynamic Engineering, Materials Science for Extraterrestrial Environments, Extraterrestrial Telecommunications, Applied Mathematics for Celestial Mechanics and Earth Monitoring. <p>The successful candidates will carry out their research program in tight coordination with the research staff already involved with the School activities. They will also be involved in the teaching and tutorial activity of the School, by either giving courses at PhD level or undergraduate level for the students of the School.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	<ul style="list-style-type: none"> • ASTROPHYSICS AND COSMOLOGY, EARTH- SPACE- AND CLIMATE PHYSICS • THEORETICAL PHYSICS OF FUNDAMENTAL INTERACTIONS, MODELS, MATHEMATICAL METHODS AND APPLICATIONS • EXPERIMENTAL PHYSICS OF FUNDAMENTAL INTERACTIONS AND APPLICATIONS • AEROSPACE ENGINEERING AND NAVAL ARCHITECTURE • MATHEMATICAL PHYSICS <p>GSD: 02/PHYS-05; 02/PHYS-02; 02/PHYS-01; 09/IIND-01; 01/MATH-04</p>
Scientific supervisor	Prof. Salvatore Capozziello
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	GEM_04/2024
Relevant Academic Structure	Genomic and Experimental Medicine
Brief description of the research program	<p>The research programme should focus on the study of (mainly) genetic diseases (mendelian and non mendelian) and can address any of the following areas: development of new technological platforms for the study, diagnosis, and treatment of genetic diseases and their underlying molecular mechanisms. The research programme may focus both on basic research and on translational approaches. The following programs are available: 1) Cellular Biology and Mechanisms of Disease, i.e., the study of cellular and subcellular alterations, the study of intracellular trafficking, of contact sites between organelles, of the mechanisms that regulate homeostasis and cell survival in physiological and pathological contexts; 2) Molecular Therapy, i.e., the study of innovative diagnostic and therapeutic strategies, based on the use of modified and unmodified nucleic acids, carried by various vectors, as well as the use of small molecules with pharmacological action useful for understanding and treating the symptoms and preventing the consequences of genetic diseases; 3) Genomic Medicine, i.e., the use of -omic technologies for diagnosis and therapy of genetic disease and for the creation of models and predictive tools for understanding the molecular anomalies that characterize the cellular context of diseases. Projects addressing the application of synthetic biology and reverse engineering strategies for the manipulation and optimization of cellular processes, such as the production of molecules for biopharmaceutical purposes or vectors that can be used in gene therapy contexts are also welcome; 4) Molecular Oncology: the study, using all currently available technologies, of the mechanisms underlying neoplastic cell transformation, of innovative diagnostic and classification strategies and the genomic characterization of cancer cells in order to develop personalized therapeutic strategies, depending on the compromised transduction pathways. All the activities will be carried out at the Scuola Superiore Meridionale and TIGEM – Telethon Institute of Genetics and Medicine.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	<p>05/BIOS-07 Biochemistry 05/BIOS-08 Molecular Biology 05/BIOS-09 Clinical Biochemistry And Clinical Molecular Biology 05/BIOS-10 Cellular And Experimental Biology 05/BIOS-11 Pharmacology 05/BIOS-13 Human Histology And Embryology 05/BIOS-14 Genetics 05/BIOS-15 Microbiology 09/IINF-04 Systems And Control Engineering 09/IBIO-01 Bioengineering (before SSD ING-INF/06) 09/IBIO-01 Bioengineering (before SSD ING-INF/34) 06/MEDS-01 Medical Genetics 06/MEDS-02 Experimental Medicine, Pathophysiology And Clinical Pathology 06/MEDS-09 Blood Diseases, Oncology And Rheumatology 06/MEDS-03 Microbiology And Clinical Microbiology</p>

	06/MEDS-04 Pathology 06/MEDS-20 Paediatrics And Child Neuropsychiatry 11/PSIC-01 General Psychology, Neuropsychology And Cognitive Neuroscience, Psychometrics 07/AGRI-06 Agricultural And Forest Genetics, Chemistry And Pedology 7/MVET-02 Veterinary Pathology And Inspection Of Foods Of Animal Origin 07/MVET-04 Veterinary Clinical Medicine, Pharmacology And Toxicology
Scientific supervisor	Prof. Brunella Franco
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	GHG_05/2024
Relevant Academic Structure	Humanities and Law – Global History and Governance
Brief description of the research program	<p>The program in Global Histories and Governance focuses on the comparisons, connections, and processes of globalization that have characterized different areas of the planet between the 16th and the 20th centuries by concentrating on the relational dimension of historical processes, legal regimes, and the organization of power; on the interconnections between economic, political, legal, cultural and social factors; and on the circulation, exchange and interconnection of ideas, persons, institutions, legal cultures, political models, concepts, rights and goods on a global scale.</p> <p>The selection will reward the best projects in terms of quality and feasibility. Special attention will be paid to projects focusing on the period between the 19th and 21st centuries and insisting on one or more of the following areas: Ideas and Practices of Citizenship; History of the Welfare State; History of Affirmative Action and Preferential Policies; History of Rights; History of Minorities and History of Minority Rights; History of Migration; General principles of global law; Global regulatory regimes; Global dispute resolution mechanisms; Institutions and decision-making processes in a globalized world; Relationships between legal orders.</p>
GSD (Gruppi Scientifico-Disciplinari)	11/HIST-03 STORIA CONTEMPORANEA (Contemporary History) 11/HIST-02 STORIA MODERNA (Modern history) 12/GIUR-06 DIRITTO AMMINISTRATIVO E PUBBLICO (Administrative and Public Law) 12/GIUR-11 DIRITTO COMPARATO (Comparative Law)
Scientific supervisor	Prof. Daniela Luigia Caglioti
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Annual gross scholarship	€ 35.000 (the scholarship is tax exempted. The postdoc must contribute to the Italian pension fund).

ID of the Call for Applications	LOSPD_06/2024
Relevant Academic Structure	Law and Organizational Studies for the Promotion of Diversity and Inclusion
Brief description of the research program	<p>The research program addresses issues related to how individuals, organizations, and public and private institutions (of large, medium, and small sizes) perceive the potential and resistance associated with actions promoting diversity and inclusion, also considering socio-material, affective, and existential matters as prerequisites for a multidimensional vision. Therefore, projects are required to focus on the relational perspective of cohabitation and togetherness, such as the acquisition and development of theoretical and practical tools aimed at recognizing and protecting individual rights; the design of organizational structures in dialogue with human resource management in institutions, public administrations, and private companies, as well as in increasingly developed public-private partnerships; and the spatial organization of machinery and work environments. Particular attention is given to certain archetypes that have always guided social actions and interactions (e.g. sound, color, word), which, in their coding process, become art (such as music, drawing, theater), in the belief that perception and creativity are crucial criteria in constructing individual and organizational subjectivity, intersecting with the disciplines of Law and Business Organization, which address issues of promoting diversity and inclusion.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	12/GIUR-01 (Private law); 13/ECON-08 (Organization Studies); 12/GIUR-06 (Administrative and public law)
Scientific supervisor	Prof. Luigi Maria Sicca
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	MERC_08/2024
Relevant Academic Structure	Scientific-Technological
Brief description of the research program	<p>The research program will be developed within the "Modeling and Engineering Risk and Complexity" (MERC) research area at the Scuola Superiore Meridionale, focusing on at least one of the following aspects: development of new methodological approaches for the analysis, modeling, and control of complex systems; design and engineering of resilient systems; analysis and management of risks (natural, anthropogenic, industrial, and Na-Tech) and their cascading effects. The program will feature a strong multidisciplinary and interdisciplinary approach, grounded in one or more of the following disciplines: dynamical systems and control theory, statistical physics, the study of complex systems and networks, machine learning and computational methods, infrastructures, and networks, reliability theory for uncertainty modeling, as well as the analysis and management of risks arising from natural and anthropogenic phenomena on complex and interdependent systems, also examining their emerging properties and domino and cascading effects.</p> <p>The candidate's research activity must align with at least one of the following three multidisciplinary areas:</p> <ol style="list-style-type: none"> 1. Mathematical and/or computational modeling, analysis, and control of complex and multi-agent systems, their emergent behaviour and their applications; 2. Stochastic modeling and reliability theory of phenomena and complex systems; 3. Modeling, analysis, and management of natural, Na-Tech, anthropogenic, and industrial risks, with strong emphasis on both methodological aspects and practical applications. <p>Successful candidates will work closely with research groups involved in the "Modeling and Engineering Risk and Complexity" (MERC) doctoral program at the Scuola Superiore Meridionale. They will also be involved in teaching and tutoring activities, holding courses within the doctoral programs and/or the study programs designed for regular students.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf	09/IINF-04 SYSTEMS AND CONTROL ENGINEERING 09/IINF-05 INFORMATION PROCESSING SYSTEMS 09/ICHI-02 CHEMICAL PLANTS AND TECHNOLOGIES 08/CEAR-05 GEOTECHNICAL ENGINEERING 08/CEAR-07 STRUCTURAL ANALYSIS AND DESIGN 04/GEOS-04 GEOPHYSICS 02/PHYS-02 THEORETICAL PHYSICS OF FUNDAMENTAL INTERACTIONS, MODELS, MATHEMATICAL METHODS AND APPLICATIONS 02/PHYS-05 ASTROPHYSICS AND COSMOLOGY, EARTH- SPACE- AND CLIMATE PHYSICS 01/MATH-05 NUMERICAL ANALYSIS 13/STAT-01 STATISTICS 13/STAT-04 MATHEMATICAL METHODS FOR ECONOMY, FINANCE AND ACTUARIAL SCIENCES 01/MATH-03 MATHEMATICAL ANALYSIS, PROBABILITY AND MATHEMATICAL STATISTICS



Scuola Superiore Meridionale

Scientific supervisor	Prof. Mario di Bernardo
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	MOSES_09/2024
Relevant Academic Structure	Scientific-Technological - MOlecular Sciences for Earth and Space (MOSES)
Brief description of the research program	<p>The research program pertains to the research focus on the development and application of new theoretical or experimental approaches to study and control complex phenomena in the following areas: (i) spectroscopy and chemical kinetics; (ii) astrochemistry and astrobiology; (iii) theoretical and computational chemistry; (iv) chemistry of the atmosphere and the environment; (v) natural and anthropogenic eco-sustainable processes. The research regards the description at molecular level of spectroscopic and reactive complex events, including photoinduced ones, both at thermodynamic and far from equilibrium. The theoretical methodologies include the quantum-mechanical modeling for the computational spectroscopy, the molecular and the electronic dynamics), and the modelling based on the data science and the artificial intelligence. The program can be characterized by a strong multi- and inter-disciplinary approach.</p> <p>Enrolled researchers can collaborate with research groups already involved in research activities at the Scuola Superiore Meridionale, also by teaching courses within the PhD program and/or within the Master and the Degree programs for ‘Allievi Ordinari’.</p>
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	03/CHEM-01 Analytical, Environmental And Cultural Heritage Chemistry 03/CHEM-02 Physical Chemistry 03/CHEM-03 General And Inorganic Chemistry 03/CHEM-04 Industrial Chemistry 03/CHEM-05 Organic Chemistry 02/PHYS-03 Experimental Physics Of Matter And Applications 02/PHYS-05 Astrophysics And Cosmology, Earth- Space- And Climate Physics 09/IIND-01 Aerospace Engineering And Naval Architecture
Scientific supervisor	Prof. Nadia Rega
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)
Yearly amount (net – charges borne by the SSM)	€ 35.000

ID of the Call for Applications	TTCL_10/2022										
Relevant Academic Structure	Human Sciences and Law										
Brief description of the research program	<p>The research program falls within the research line related to Texts, traditions, and cultures of the book. Italian and Romance studies. It should focus on the strategies of production, dissemination, and circulation of manuscript and printed works from the Italian and Romance areas, produced in the medieval and Renaissance periods, with particular attention to the multiplicity of factors (historical, political, economic, religious, philosophical) that concretely shaped the forms and contexts of intellectual debate. Particular attention should be paid both to specifying the geographical and historical coordinates within which to read the constitution and continuous re-systematization of the literary canon, and to the study of tradition, linguistic history, sources, and material supports. The research should be based on codicological-paleographic, historical-linguistic, philological skills, and a profound awareness of historical-literary, historical-linguistic issues, and the broader cultural history underlying the writing practices to be analyzed. Therefore, consideration will be given to critical editions and commentary on works that contribute to a better understanding of the literary space of the period under examination; historical-literary and historical-linguistic investigations; comparative studies on the media supports of literary facts and the thresholds that convey their pre-understanding (editorial places and strategies, graphic and book forms, inscription within literary traditions, implicit and explicit polemical content, dynamics of rewriting and reformulating shared cultural heritage).</p>										
GSD (Gruppo Scientifico Disciplinare – research field as identified by Attachment A to Decree n. 639/2024, https://www.mur.gov.it/sites/default/files/2024-05/Decreto%20Ministeriale%20n.%20639%20del%2002-05-2024%20-%20Allegato%20A.pdf)	<table border="0"> <tr> <td>10/LIFI-01</td> <td>Italian Linguistics And Philology</td> </tr> <tr> <td>10/ITAL-01</td> <td>Italian Literature</td> </tr> <tr> <td>10/FLMR-01</td> <td>Medieval Latin, Romance Philology And Literature</td> </tr> <tr> <td>11/HIST-04</td> <td>Book And Archive Studies, Historical-Religious Sciences</td> </tr> <tr> <td>10/COMP-01</td> <td>Comparative Literature And Literary Theory</td> </tr> </table>	10/LIFI-01	Italian Linguistics And Philology	10/ITAL-01	Italian Literature	10/FLMR-01	Medieval Latin, Romance Philology And Literature	11/HIST-04	Book And Archive Studies, Historical-Religious Sciences	10/COMP-01	Comparative Literature And Literary Theory
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10/COMP-01	Comparative Literature And Literary Theory										
Scientific supervisor	ANDREA MAZZUCCHI										
Duration (in years)	1 year (renewable no more than two times – total maximum duration allowed is 3 years from the starting date of the first contract)										
Yearly amount (net – charges borne by the SSM)	€ 35.000										