



Scuola Superiore Meridionale

SCUOLA SUPERIORE MERIDIONALE
Call for Applications

APPLICATIONS DEADLINE
26/04/2024 h. 23.59 CET

This document has no legal value and it is
only meant to provide information in
English about the call

The Scuola Superiore Meridionale announces a comparative procedure, as per art. 18, par. 1, of l. 240/2010 and subsequent amendments and additions, for the hiring of no. 2 associate professors the Scientific and Technological Area of the Scuola Superiore Meridionale in the fields indicated as *settori concorsuali* (SC) and *settori scientifico-disciplinari* (SSD) in the attachments to this call, that constitute an integral part of it:

Scuola Superiore Meridionale	SC	SSD	no. of places	n. Detail sheet	Identification code sub-procedure
Clinical and Translational Oncology (CTO)	SC 06/D3 Blood Diseases, Oncology and Rheumatology	SSD MED/06 Medical Oncology	1	Card_1	PA_CTO_2024
Cosmology, Space Science & Space Technology (SPACE)	SC02/C1 Astronomy, Astrophysics, Physics of the Earth and Planets	SSD FIS/05 Astronomy and Astrophysics	1	Card_2	PA_SPACE_2024

Rights and duties

This procedure is subject to provisions set by the rules and bylaws of the Scuola Superiore Meridionale regarding the hiring of full and associate professors, pursuant to Articles 18 and 24 of Law 240/2010. Especially relevant are the provisions under Title V "*Legal status of tenured professors*", to which reference should be made for further details.

Financial coverage

Expenditures for salary costs are entirely under the budget of the Scuola Superiore Meridionale.

Participation Requirements

Applicants need to possess the following requirements, under penalty of exclusion, to participate to the present call:

GENERAL REQUIREMENTS:

- enjoyment of civil and political rights: those deprived of the right to vote are not eligible for employment;
- not having been convicted for criminal offences incompatible with the status of state employee; any such conviction would lead either to disqualification from employment by the Scuola Superiore Meridionale, as per Article 127, first paragraph, letter d) of the Consolidated Text of the provisions concerning the status of civilian state employee, issued by Presidential Decree no. 3 of 10/01/1957, or to dismissal;
- not to have been dismissed or discharged from employment by Public Administration for recurrent inadequate performance, nor to have been declared disqualified from a State job, as per Article 127, first paragraph, letter d) of the Consolidated Text of the provisions concerning the status of civil employees of the State, issued by Presidential Decree no. 3 of 10/01/1957; finally, not to have been dismissed for just cause or justified subjective reason, nor for having obtained employment by producing false documents or by fraudulent means;
- have fulfilled any obligations imposed by the laws on military service (only for male candidates bearing Italian citizenship and born before the year 1985).

Foreign candidates need to possess the following general requirements:

- (a) enjoy civil and political rights also in the States of which they are citizens;
- (b) possess all the other requirements, as set out above for Italian nationals;
- (c) have adequate knowledge of the Italian language.

Those who have a degree of kinship or affinity up to and including the fourth degree of kinship with the members of the Organising Committee and with the Director General of the Southern High School are barred from participating.

SPECIFIC REQUIREMENTS:

The comparative procedures referred to in this notice are open to:

- a) scholars in possession of Italy's national scientific qualification (*Abilitazione Scientifica Nazionale*), referred to in Article 16 of Law No. 240 of 30 December 2010, in one of the fields mentioned by Article 1 above; they may possess either qualification as associate professors or qualification as full professors, but in the second case they are required not to already be full professors;
- b) associate professors already in service at other universities;
- c) scholars engaging in research or teaching activities outside Italy with either permanent or fixed-term contracts, as long as they hold university positions corresponding to those advertised in the call for applications (as per the correspondence tables defined by the Italian Ministry of University)

Those who are eligible for the call are required to state in their application their knowledge of the required foreign language.

Applicants need to already possess all requirements by the deadline set by the call, under penalty of exclusion.

Submitting an application

Applications are to be submitted, together with any attachment (if required) only electronically by using the dedicated application available at the following web address:

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

no later than thirty days from the day following the publication of the notice referred to in Article 8 of this call in Italy's Official Journal (*Gazzetta Ufficiale <<Concorsi ed Esami>> - 4a Serie Speciale*). **Failure to submit by this deadline will imply exclusion from the procedure.**

To access the PICA computer application, the candidate is required to register and authenticate exclusively via a PICA account and to adhere to the following instructions.

After authentication, the candidate is required to complete the application, entering all the required data and attaching any necessary documents in electronic PDF format as indicated.

Attachments of up to 30 MB are allowed. (In the case of image copies of analogue original documents, attachments are required to be in PDF/A format and preferably scanned in black and white, with a resolution not exceeding 200 DPI).

Applicants self-certify the truthfulness of their statements and, as per Articles 46 and 47 of Presidential Decree 445 of 28 December 2000 and subsequent amendments and additions, declare to be aware of the penalties provided for by Articles 75 and 76 of the same Presidential Decree in the event of untrue declarations or should they create or use false documents.

Applicants are also required to attach the following documents to their application and enter them into the above-mentioned PICA website:

A) a CURRICULUM VITAE, complete with a LIST OF TEACHING AND RESEARCH ACTIVITIES AND PUBLICATIONS ;

B) the scientific publications submitted for analytical evaluation, within the upper limit set out in the procedure reference form, numbered in the progressive order reported in the "CURRICULUM VITAE, LIST OF TEACHING AND RESEARCH ACTIVITIES AND PUBLICATIONS". If texts accepted for publication are submitted, the publisher's acceptance document is also required to be attached;

C) a photocopy of a valid identification document; this applies, under penalty of exclusion, only if the applicant completes the application with a handwritten signature.

Publications are required to be submitted in their original language if they are published in Italian, French, English, German or Spanish language. Otherwise, the publications are required to be translated into Italian or English; translated texts can be submitted in typewritten copies together with the text in the original language.

Scientific publications will not be taken into consideration by the Commission for the purposes of the analytical evaluation of scientific production even if they are within the upper limit set by the reference forms attached to this call for proposals, if they are mentioned in the "CURRICULUM VITAE, LIST OF EDUCATIONAL AND RESEARCH ACTIVITIES AND PUBLICATIONS", but not uploaded in the PICA website. Likewise, publications uploaded in the PICA website but not mentioned in the "CURRICULUM VITAE, LIST OF EDUCATIONAL AND RESEARCH ACTIVITIES AND PUBLICATIONS" will not be taken into consideration by the Commission for the purposes of the analytical evaluation of scientific production. Furthermore, any text accepted for publication but lacking the publisher's acceptance document will not be evaluated.

Establishment of Selection Committees

Once the deadline for submitting applications is expired, a selection committee shall be appointed for each position. It will consist of three professors in service at Italian universities and/or special-order higher education establishments, of which at least two shall be full professors, while the third might also be an associate professor, all in the fields relevant for the call.

How comparative procedures are carried out

The evaluation takes place on the basis of criteria that each selection committee establishes in a preliminary meeting, and are advertised to the candidates through publication in the appropriate section of the School's website dedicated to the selection.

Evaluation of scientific research activity

The Commission will assess the research activity of the candidates on the basis of their entire scientific production, of their scientific publications submitted and of their other qualifications.

The evaluation of scientific research activity will take into account the following aspects:

- a) organising, directing, coordinating and participating in national and international research projects and groups; especially important is the ability to attract research funding as proven by the successful participation (as local, national or international coordinator) to competitive calls for funding;
- (b) management of cultural and research institutes, or of internationally recognized scientific journals;
- (c) research activities carried out at public or private, Italian or foreign entities on the basis of contractual or otherwise formalised relationships; special attention will be paid to the degree of autonomy acquired by the candidate with respect to the research groups within which his/her initial training took place, as well as to his/her ability to act as a leader of research activities, devising new lines of investigation and contributing to promoting and expanding the network of national and international scientific collaborations;
- (d) attainment of patent ownership;
- (e) participation as invited speaker and organisation of national and international conferences, participation in editorial boards of internationally recognized scientific journals;
- (f) obtaining national and international prizes and awards for research activities.

The evaluation of scientific publications is carried out on the basis of the following criteria:

- a) originality, innovativeness, methodological rigour and scientific relevance of each publication;
- b) congruence of each publication with the research fields relevant for the advertised position or with closely related interdisciplinary ones;
- (c) scientific relevance of the editorial location of each publication and its dissemination within the scientific community;
- d) analytical determination, also on the basis of criteria accepted by the relevant international scientific community, of the individual contribution of the candidate if he or she is a participant in collaborative work;
- (e) In areas where its use is internationally accepted, the Selection Committees are also allowed to one or more of the following indicators, to be calculated at the date in which the evaluation procedure will start:
 - 1) total number of citations;
 - 2) average number of citations per publication;
 - 3) total 'impact factor';
 - 4) Average 'impact factor' per publication;
 - 5) combinations of the previous parameters to enhance the impact of the candidate's scientific production (Hirsch index or similar).

Evaluation of teaching and student service activities

For the purposes of evaluating teaching and student service activities, the teaching activity carried out by the candidate will be assessed and special attention will be paid to experience in teaching and/or in the coordination of training programmes at universities and highly qualified research institutes, as well as to experience abroad or in international contexts. Activities as supervisor or tutor for doctoral or degree theses, in Italy and abroad, will also be assessed.

Evaluation of management, organisational and service activities

Management, organisational and service activities will be assessed taking into account the volume and continuity of the activities performed; special attention will be paid to experience in management roles as well as to the participation to collegiate bodies and to commissions established by Universities and Research Centres, including foreign ones, and by the Ministry of Universities and Research.

Weights to the elements under evaluation

For the position of associate professor in Medical Oncology, the evaluation committee will weigh its scores as follows

- (a) 45% will be assigned for teaching, supplementary teaching, student service and for the teaching test;

- b) for scientific research activity including public seminar 45%.
- c) for management, organisational and service activities 10%.

For the position of associate professor in Astronomy and Astrophysics, the evaluation committee will weigh its scores as follows:

- (a) 30% for teaching, supplementary teaching, student service and for the teaching test;
- b) for scientific research activity 60%;
- c) for management, organisational and service activities 10%.

Public seminar

Each candidate will be required to hold a public seminar to discuss the research activity he/she has carried out, as indicated in the relevant sheet attached to this notice.

The timetable for the aforementioned test will be advertised to candidates exclusively through an online notice to be published – no less than 20 days before the date of the test – on the Official Online Notice Board of the Southern High School and on its institutional website.

The publication of the timetable on the School's official online notice board has the value of official notification for all legal purposes for candidates. No further communication will be given.

Absence of the candidate on the date indicated in the timetable will amount to renouncing, for all intents and purposes, to participate in the comparative procedure.

Teaching test

Each candidate will be required to take a teaching test in accordance with the procedures indicated in the forms attached to this notice; **the relevant timetable will be advertised to candidates exclusively through an online notice to be published – no less than 20 days before the date of the test – on the Official Online Notice Board of the Southern High School and on its institutional website.**

24 hours before the date set for the test, an online notice will be published – on the official online notice board of the Scuola Superiore Meridionale as well as on its institutional website – itemizing three topics, all related to the general and methodological themes of the scientific field indicated by each candidate, from which the candidate will be allowed to select the subject of the teaching test. (Each candidate will be identified via a code assigned by the PICA website at the moment of submitting the application form).

The publication of the timetable on the School's official online notice board has the value of official notification for all legal purposes for candidates. No further communication will be given.

Absence of the candidate on the date indicated in the timetable will amount to renouncing, for all intents and purposes, to participate in the comparative procedure.

PA_CTO_2024

Comparative procedure (as per art. 18, par. 1, of l. 240/2010 and subsequent amendments and additions) for one position as Associate Professor in Medical Oncology (SSD MED/06 – part of SC 06/D3, Blood Diseases, Oncology and Rheumatology) – fulfilling requirements for the Scientific-Technological Area of the Scuola Superiore Meridionale

Specific duties of the Associate Professor: Teaching and research activities in the disciplines of the field of Medical Oncology (SSD MED/06)

Teaching and student service activities shall be performed according to the schedule established by the competent academic bodies and the requirements of the relevant academic Structure (Scientific-Technological Area) in the field of Medical Oncology (SSD MED/06); regarding the research activities, the candidate is required to develop and coordinate preclinical, translational and clinical lines of research in the field of Medical Oncology (SSD MED/06) with particular reference to breast cancer; management, organizational and service activities shall be performed according to the requirements of the relevant academic Structure.

Required teaching and research commitment: teaching in disciplines of the field of Medical Oncology (SSD MED/06 – part of SC 06/D3, Blood Diseases, Oncology and Rheumatology), by lecturing and tutoring undergraduate, graduate and doctoral students according to the schedule established by the competent academic bodies and the requirements of the relevant academic Structure (Scientific-Technological Area). Teaching activities will be especially oriented towards multidisciplinary scientific and professional training in order to enable the student to garner, as far as possible, basic as well as applied knowledge. The teaching commitment is set by the relevant academic bodies. Orientation, tutoring, and support activities for the preparation of licentiate and doctoral theses are also required, as well as dissemination and outreach activities for the relevant academic structure (Scientific-Technological Area). The total annual commitment for teaching and student service activities amounts to 350 hours for the full-time regime; of these, at least 120 hours per year will include lectures (no less than 60 hours per year), tutorials, in-presence shadowing of students engaged in research laboratory activities, as well as leading seminars and round tables included within the schedule approved by the competent bodies.

The teaching activity may also be carried out in English. Research activities are expected to be within the field of Medical Oncology (SSD MED/06) and especially inherent to breast cancer, specifically (1) the study of biomarkers of response to molecular-targeted therapies, (2) the identification of new biological mechanisms of resistance to anticancer treatments and new therapeutic targets, (3) the definition of new potential therapeutic strategies.

Maximum number of publications accepted: 20

All candidates will be required to held a public seminar at which they will discuss their research activities (in English).

All candidates will be required to undergo a teaching test in Italian in a discipline of their choosing, as long as it is included in the fields of Blood Diseases, Oncology and Rheumatology.

As part of the overall evaluation:

Teaching student service activity and teaching test will weigh for 45%.

Scientific research activity will weigh for 45%.

management, organizational and service activities will weigh for 10%

Previous research experience at foreign institutions and coordination of research groups will be an element of preference. The candidate will be required to prove a continuous teaching activity predominantly focused on matters of Medical Oncology.

PA_SPACE_2024

Comparative procedure (as per art. 18, par. 1, of l. 240/2010 and subsequent amendments and additions) for one position as Associate Professor in *Astronomy and Astrophysics* (SSD FIS/05 – part of SC 02/C1, Astronomy, astrophysics, Earth and planetary physics) – fulfilling requirements for the Scientific-Technological Area of the Scuola Superiore Meridionale

Specific duties of the Associate Professor: Teaching and research activities in the disciplines of the field of Astronomy and Astrophysics (SSD FIS/05)

Teaching and student service activities shall be performed according to the schedule established by the competent academic bodies and the requirements of the relevant academic Structure (Scientific-Technological Area); *research activities* will be performed in fields connected with *Cosmology, Space Science & Space Technology* (SPACE); management, organizational and service activities shall be performed according to the requirements of the relevant academic Structure.

Required teaching and research commitment: teaching in disciplines of the field of Astronomy and Astrophysics (SSD FIS/05), by lecturing and tutoring undergraduate, graduate and doctoral students according to the schedule established by the competent academic bodies and the requirements of the relevant academic Structure (Scientific-Technological Area). The teaching commitment is set by the relevant academic bodies. Orientation, tutoring, and support activities for the preparation of licentiate and doctoral theses are also required, as well as dissemination and outreach activities for the relevant academic structure (Scientific-Technological Area). The total annual commitment for teaching and student service activities amounts to 350 hours for the full-time regime; of these, at least 120 hours per year will include lectures (no less than 60 hours per year), tutorials, in-presence shadowing of students engaged in research laboratory activities, as well as leading seminars and round tables included within the schedule approved by the competent bodies.

The teaching activity may also be carried out in English. Research activities are expected to be within the field of Astronomy and Astrophysics (SSD FIS/05) and especially inherent the field of Observational and Theoretical Cosmology. The candidate is expected to be an expert in Theoretical and Observational Cosmology, with experience in formulating cosmological models to compare with observations from large surveys and especially with data from Cosmic Background Radiation. The candidate is required to be able to manage astronomical and cosmological data archives to test models of dark energy, inflation, and alternative theories of gravitation. Research activity will also be directed toward the design and development of algorithms and analysis tools for handling large amounts of data from astrophysical observations. To this end, the candidate is required to have programming skills in Fortran, C++, Python languages and experience with Boltzmann Solver codes, such as CosmoMC or CLASS (and their extensions), as well as MCMC algorithms. Furthermore, excellent knowledge of Bayesian statistics and cosmographic survey techniques is required.

Maximum number of publications accepted: 12

All candidates will be required to held a public seminar at which they will discuss their research activities (in English).

All candidates will be required to undergo a teaching test in Italian in a discipline of their choosing, as long as it is included in the fields of Blood Diseases, Oncology and Rheumatology.

As part of the overall evaluation:

Teaching student service activity and teaching test will weigh for 30%.

Scientific research activity will weigh for 60%.

management, organizational and service activities will weigh for 10%.