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UNIVERSITÀ
DEGLI STUDI
FIRENZE

PH.D. PROGRAMMES
Headquartered at the University of Florence
CALL FOR APPLICATIONS
XXXVIII CYCLE

D.R. rep. no. record no. of 11 October 2022

DEADLINE: 10 November 2022
12:00 noon (Italian time)*

* the enrollment service automatically stops at the time stated above, therefore, it is recommended that the process be started well in advance so that it will be concluded by the deadline

2022/2023 ACADEMIC YEAR

Disclaimer

The official and legally binding announcement is the Italian one available [here](#). The present document cannot be used for legal purposes and it is only meant to provide information in English on the call for applications.



HR EXCELLENCE IN RESEARCH



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TABLE OF CONTENTS

Art. 1 - Number of positions available	p. 2
Art. 2 - Admission requirements	p. 3
Art. 3 - Academic qualifications obtained outside of Italy	p. 3
Art. 4 - Application form	p. 4
Art. 5 - Guidelines regarding the research project	p. 5
Art. 6 - Admission and evaluation procedure	p. 5
Art. 7 - Interview	p. 6
Art. 8 - Admission Boards	p. 6
Art. 9 - Schedule of interviews and outcome of the competition	p. 6
Art. 10 - Admission to courses and allocation of positions to candidates	p. 6
Art. 11 - Enrollment in the programs	p. 6
Art. 12 - Regional fee for access to and attendance of courses	p. 7
Art. 13 - Scholarships	p. 7
Art. 14 - Attendance and obligations of Ph.D. students	p. 7
Art. 15 - Award of the title	p. 8
Art. 16 - Intellectual property of research results and publications	p. 8
Art. 17 - Processing of Personal Data	p. 8
Art. 18 - Publicity	p. 8
Art. 19 - Person in charge of the procedure	p. 9
Art. 20 - Final Provisions	p. 9

Art. 1

NUMBER OF POSITIONS AVAILABLE

1. The University of Florence announces a public selection for the award of 107 Ph.D. scholarships under the National Plan for Recovery and Resilience (NPRR), Mission 4, Component 2 "From Research to Enterprise," funded by the European Union NextGenerationEU for Ph.D. Courses of the 38th cycle (a.y.2022/23).
2. The 107 positions with scholarship are thus divided:
 - no. 24 under the "Centri Nazionali" **(CN)**, including 2 funded by research institutions;
 - no. 33 under the "Ecosistemi dell'Innovazione" **(EI)**
 - no. 14 under the "Infrastrutture di Ricerca e Infrastrutture tecnologiche di Innovazione" **(INFR)** 11 of which are funded by research institutions;
 - no. 36 under the "Partenariati Estesi" including 2 funded by research institutions **(PE)**

The breakdown of the scholarship positions among doctoral programs is given below:

AREA	DOCTORAL PROGRAM	INVESTMENT			
		CN	EI	INFR	PE
Biomedical	Drug Research and Innovative treatments	1	3		1
	Tuscany Ph.D in Neurosciences		1		
	Biomedical Sciences	1	4		3
	Clinical Sciences		5		2
Sciences	Evolutionary Biology and Ecology	3			1
	Earth and Planetary Sciences	2		2	3
	Physics and Astronomy	3	1	2	6
	International Doctorate in Atomic and Molecular Photonics			8	
	International Doctorate in Structural Biology		1	1	1
	Mathematics, Computer Science and Statistics	1			2
	Chemical Sciences	5	11		1
Social Sciences	Legal Sciences		1		2
Technology	Architecture and Design Cultures, Knowledge, and Safeguarding of Cultural Heritage				3
	Sustainable Management of Agricultural, Forestry, and Food Resources	2			1
	Information Engineering	1	3		1
	Industrial Engineering	2	1		2
	International Doctorate in Civil and Environmental Engineering	1	1		1
	Agricultural and Environmental Sciences	2		1	
	Sustainability and Innovation for the Design of Built Environment and System Product				3
Humanities	Education Sciences and Psychology		1		3
TOTALS PER INVESTMENT		24	33	14	36
TOTAL NUMBER OF SCHOLARSHIPS		107			

3. Positions with scholarship related to "Partenariati Estesi" are advertised pending final ministerial approval and will be awarded subject to the granting of the relevant funding; positions with a

scholarship funded by research organizations will be awarded only upon the signing of a special agreement by which the funding research organization transfers the funds to the University of Florence.

4. The selection and awarding of scholarships will take place exclusively on the set subjects for the description of which please refer to Appendix 2 "Scholarship Fact Sheets," which also contains information on how and when the admission tests will be held.
5. There are no non-scholarship positions, so the Ph.D. program is automatically concluded in the event of a scholarship waiver.
6. There are no supernumerary admissions.
7. The duration of the doctorate program is three years, with an expected beginning on 1 January 2023.
8. Submission of the application for admission, according to the procedures in Article 4, implies the applicants' acceptance of the rules contained in this announcement.
9. All communications to applicants regarding this call will be sent by e-mail. The e-mail address given by the candidate in the application will be used for this purpose.
10. The use of the male gender is of no discriminatory nature but is intended as a neutral gender for the purposes of more immediate communication.

Art. 2

ADMISSION REQUIREMENTS

1. All individuals who, by the deadline of this call, have one of the following academic qualifications may apply for participation in the competition without age or nationality restrictions:
 - Master's degree (laurea magistrale) obtained pursuant to the D.M. 270/2004;
 - Master's degree (laurea specialistica) obtained pursuant to the D.M. 509/1999;
 - Degree obtained according to the didactic systems in force prior to the D.M. 509/1999, whose legal duration was at least four years;
 - Second-level academic qualification issued by the institutions belonging to the AFAM (High Artistic and Musical Training) sector;
 - Academic degree from foreign universities equivalent to the Italian degree required for access.
2. Those who will earn one of the above degrees by December 31, 2022, are also eligible to apply. In such a case, candidates are admitted to the competition with reservation, and it is their duty to promptly send to the Ph.D. Office (dottorato@unifi.it) a self-declaration stating that they have obtained the academic qualification. Failure to do so will result in exclusion from the competition.
3. Those who have already received, even partially, a scholarship for another doctoral program are excluded from participation.

Art. 3

ACADEMIC QUALIFICATIONS OBTAINED OUTSIDE OF ITALY

1. Applicants with foreign academic degrees (equivalent to master's degree), may apply for admission by attaching the qualifications obtained, accompanied by a translation into Italian or English. Such candidates are admitted to the competition with reservations. They will be excluded from the competition or, if they pass it, from the doctoral program in which they are enrolled if it turns out, upon verification, that the degree does not comply with the requirements of this notice and does not, therefore, permit enrollment in the doctoral program.
2. The academic degree awarded abroad must be comparable in duration, level, and subject area to an Italian second-level academic degree. The suitability of the foreign degree is ascertained by the doctoral admission board in compliance with the relevant regulations in force in Italy and in the country where the degree was awarded, as well as with international treaties or agreements on the recognition of degrees to access to further studies.
3. However, by the beginning of the courses, translated degrees, legalized in Italian and accompanied by a "Dichiarazione di valore in loco" (Declaration of value) issued by the competent Italian Representations

of the country in which the degree was obtained, must be delivered to the Doctoral Office together with the application form; alternatively, the certificate issued by the ENIC-NARIC center in Italy (CIMEA) that contains all the necessary information for the evaluation of the degree. For degrees obtained in a European Union country, the *diploma supplement* is sufficient.

4. For the purpose of entry into Italy, citizens of non-EU states residing abroad must register on the [University](#) portal and apply for an entry visa (post-graduate visa type D) at the appropriate Italian Embassy or Consulate.

Art. 4

APPLICATION FOR ADMISSION

1. The application for selection must be filled out using only the online procedure at sol.unifi.com/domdottpnrr/login.jsp starting on October 11, 2022, and ending at 12:00 noon on November 10, 2022.
2. Candidates must:
 - log on to the site sol.unifi.com/domdottpnrr/login.jsp;
 - register by entering the required data.
 - select the chosen doctorate and the scholarship(s) for which they wish to compete;
 - complete the online application as indicated on the various dialog boxes;
 - attach:
 - a) - copy of their passport/ID
 - b) **for degrees obtained in Italy**, [self-certification](#) dated and signed (bachelor's and master's degree or combined-cycle degree), with list of exams taken and their grade, title of the thesis and grade;
for degrees earned abroad: copy of the degree held (under and graduate) with a list of exams taken and their grade, title of thesis and grade (if any);
 - c) **curriculum vitae**;
 - d) **research project** indicating the scholarship for which they intend to compete;
 - e) list any publications and additional qualifications.

Failure to submit the documents listed in **(a), (b), (c), (d)** will result in exclusion from the competition.

- make the non-refundable payment of a €30.00 fee. The payment must be made, under penalty of exclusion, by the deadline of the notice, according to the instructions explained on page www.unifi.it/pagopa.
3. Refund of the payment is not allowed under any circumstances. The candidate will be considered duly enrolled and thus admitted to the competition only after making payment of the fee.
 4. Documentation must be complete with all elements necessary for evaluation; documents with incomprehensible or illegible information will not be considered.
 5. For courses in which the interview is conducted in person, the candidate residing abroad may opt to conduct the interview by videoconference. The option can be selected only at the time of application.
 6. The application for admission can be submitted for each doctoral course listed in Appendix 2. Candidates wishing to participate in more than one program, will have to submit separate applications and make separate payments for each.
 7. Within the same doctoral program, the candidate may select one or more scholarships to compete for, **attaching a separate research project for each**.
 8. Applicants with disabilities or learning difficulties must attach to the application detailed documentation attesting to the disability and specify any aid needed.
 9. The online application for admission, once "closed," is not editable, nor can it be supplemented with additional documentation. The applicant may, if necessary, within the deadline of the announcement, submit a new application after requesting the cancellation of the previous one.

10. It is in the interest of applicants to complete the application, including payment of the admission fee, well in advance of the deadline. Applications whose online procedure is closed by 12:00 noon on November 10, 2022, and payments made by 11:59 p.m. on the same day will be considered valid. The above deadlines are peremptory; it is the candidate's responsibility to verify the proper completion of the procedure.

Art. 5

GUIDELINES REGARDING THE RESEARCH PROJECT

1. The research project in Italian or English, **must not exceed 10,000 characters** in length (including spaces, abstract, bibliography and notes) and may contain up to three explanatory images. The project must focus on the subject chosen, as set out in Annex 2, and must include:
 - abstract (maximum 1500 characters, including spaces),
 - state of the art and contextualization of the issue,
 - methodologies,
 - expected results,
 - bibliography.
2. In case the applicant intends to compete for more than one scholarship, he/she should attach separate research projects clearly indicating for each one the grant of reference and combining the projects in a single .zip file.

Art. 6

ADMISSION AND EVALUATION PROCESS

1. Candidates are selected through an evaluation of qualifications and research project and subsequent interview in person or via videoconference, using the most popular software applications. The fact sheets in Annex 2 show, for each of the Programs, how the test will be conducted, either in person or by videoconference, and any useful information for admission purposes.
2. The admissions board makes an initial check about the coherence of the submitted project and may not admit to the interview a candidate who has submitted a project that is totally inconsistent with the topic of the relevant scholarship.
3. The interview may be conducted in one of the foreign languages that may be indicated in correspondence with the grant form in Appendix 2 and may include verification of knowledge of one or more foreign languages and of the Italian language for foreign nationals.
4. Evaluation Mode:

EVALUATION OF QUALIFICATIONS	max 30/100	- university career (max 20 points) - any further education and professional and research experiences (max 7 points) - any scientific publications (max 3 points)
RESEARCH PROJECT	max 30/100	aspects related to the comprehensiveness of the content with respect to the topic of the scholarship, clarity of exposition, feasibility, methodological rigor, and bibliographic update on the state of the art will be evaluated
INTERVIEW	max 40/100	- discussion of the project (max 35 points - max 40 if no language testing is involved) - language test, if applicable (max 5 points) the interview will focus on the topics covered by the research project presented and will also be aimed at the verification of scientific knowledge, research aptitude and the candidate's willingness to carry out an experience abroad
THE ELIGIBILITY IS ACHIEVED WITH A MINIMUM SCORE OF 65/100, of which at least 20/100 AWARDED AT THE INTERVIEW		

Art. 7
INTERVIEW

1. Candidates for doctoral courses that provide for the conduct of the interview by videoconference, or residents abroad who wish to take advantage of this option, must ensure the use of a webcam to enable the admissions board to identify and view them during the test. The Admission Board will send the link for conducting the interview.
2. On the day and time set for the interview, the candidate must be available at the contact provided and is required to identify himself or herself before the interview begins by showing a valid ID.
3. Failure to connect, unavailability of the candidate on the appointed day or time, or failure to show valid identification, are grounds for exclusion from the selection procedure.
4. If technical connection problems occur during the conduct of the interview by videoconference, if the problem affects one or more board members, the interview shall be postponed ex officio to another date; if the problem affects the candidate, the Board may, with reasons, postpone the interview to another date, in accordance with the principles of non-discrimination and equal treatment of candidates.

Art. 8
ADMISSION BOARDS

1. The Boards for admission to doctoral programs are appointed by the Rector, upon a proposal from the competent Teaching Staff Council, in accordance with the [University Regulations on Doctoral Programs](#).
2. The composition of the Admission Boards is available on the University website at the following address <https://www.unifi.it/p12246.html>
3. At the end of the oral interview, the Boards shall draw up the ranking lists and forward the minutes of their meetings to the Rector, who shall issue a decree to approve the said documents.

Art. 9
SCHEDULE OF INTERVIEWS AND OUTCOME OF THE COMPETITION

1. The interview dates for each scholarship are indicated in the fact sheets for each program (Appendix 2).
2. The merit rankings, formulated based on the total score reported by each candidate, will be published at: <https://www.unifi.it/p12246.html>

Art. 10
ADMISSION TO COURSES AND ALLOCATION OF POSITIONS TO CANDIDATES

1. Candidates are admitted to the programs according to the order of each ranking. In the event of a useful placement in more than one ranking, candidates must choose the one they want to apply to.
2. The winners will receive indications on the terms and conditions, which are considered as final, for the acceptance or the renunciation of the place. The information will be sent to the e-mail address given in the competition application. Failure to respond within the time limits will result in forfeiture from the position, in which case the next candidate in line in the ranking will be offered the position.

Art. 11
ENROLMENT IN THE PROGRAMS

1. Those who have accepted the position will receive correspondence with the necessary information and forms for enrolment purposes. The enrolment procedure is considered complete only after the payment of the regional fee and the stamp duty, according to the instructions published on the University website (<https://www.unifi.it/p11733.html>).

Art. 12

REGIONAL FEE FOR ACCESS TO AND ATTENDANCE OF COURSES

1. Doctoral students are required to pay the stamp duty (€16.00) and the regional tax for the right to study, the amount of which, unless otherwise determined by the Region of Tuscany, is set at €140.00.
2. The following type of candidates are not required to pay the regional fee for the right to university study:
 - the winners and eligible candidates in the Regional Board for the Right to University Study ranking list
 - for students with recognized disabilities (Art. 3, Paragraph 1 of Law No. 104 of February 5, 1992) or a disability of 66 percent or more;
 - students who are children of incapacity pension holders (Article 30 of Law No. 118 of March 30, 1971).
3. Admission to the years following the first and final examination shall be subject to verification that the regional fee has been paid.

Art. 13

SCHOLARSHIPS

1. Scholarships are awarded as specified in Article 10.
2. In case of a tie, the assessment of the most disadvantaged economic situation pursuant to D.P.C.M. Dec. 5, 2013, No. 159, based on the Equivalent Economic Situation Indicator Statement (ISEE valid on the date of submission) for doctorate prevails.
3. The scholarship is disbursed in monthly installments in arrears; if the doctoral student withdraws from the program, he or she loses the right to receive the scholarship from the date of the withdrawal.
4. The annual amount of the scholarship is €16,243.00 (before social security charges payable by the recipient).
5. The scholarship amount is increased by 50% for conducting research activities abroad for a total period not exceeding twelve months. This period may be extended up to eighteen months for doctoral students in co-supervision with foreign entities or doctoral programs activated under an agreement or consortium.
6. Doctoral students are also guaranteed a budget appropriate to the type of doctoral course and, in any case, not less than ten percent of the amount of the scholarship itself.
7. Scholarships funded by research organizations are awarded to doctoral students subject to the successful allocation to the University of the respective financial resources and agreements between the University and the funding entities.
8. Those who have already benefited, even partially, from a scholarship for attending a doctoral program may not use it a second time.
9. The University may not be able to disburse the scholarship to students from restricted ("embargoed") countries until a residence permit is obtained.

Art. 14

ATTENDANCE AND OBLIGATIONS OF Ph.D. STUDENTS

1. The Academic Board may authorize the performance of paid activities that enable doctoral students to acquire skills concerning the doctoral training field after assessing the compatibility of such activities with the positive performance of the training, teaching, and research activities of the doctoral program.
2. In the case of justified impediments that do not allow effective attendance (illness, maternity,

and childbirth, or other serious and documented reasons), the doctoral student may request suspension of course attendance, resulting in the interruption of the scholarship and extension of the program. The suspension will be decided by the Academic Board.

3. For any further aspects related to the conduct of the doctoral program, please refer to the relevant university regulations.

Art. 15 **AWARD OF THE TITLE**

1. The title of Ph.D. is obtained by passing the final examination referred to in Art. 27 of the [University Regulations on Doctoral Programs](#).
2. Doctoral students are required to upload their doctoral thesis, in an electronic version, in the appropriate online repository of the University.

Art. 16 **INTELLECTUAL PROPERTY OF RESEARCH RESULTS AND PUBLICATIONS**

1. The intellectual and industrial property rights on the results obtained by the Ph.D. student are regulated in accordance with the current law (Copyright Law - D.lgs. 633/1941 - and Industrial Property Code - D.lgs. 30/2005), and the [Regulation for the management of industrial and intellectual property rights with reference to research activities carried out by university staff](#) and, where appropriate, according to the individual agreements with universities, enterprises or entities involved.
2. Candidates who are awarded scholarships financed by subjects outside the University must take note of and accept the provisions relating to the intellectual and industrial property contained in the agreement between the University and the financing body. The doctoral student's inalienable moral right to be recognized as an author or inventor remains intact.
3. The doctoral candidate is required to sign a confidentiality agreement with regard to the information, data, and documents of a confidential nature of which he/she becomes aware during the performance of his/her activities at and/or on behalf of the University.
4. Ph.D. students are, in any case, guaranteed the possibility to carry out the publishing activities provided for in their academic path, which must be programmed in a manner compatible with the protection of possible results.

Art. 17 **PROCESSING OF PERSONAL DATA**

1. Personal data related to this proceeding are collected and processed for institutional purposes of the University in accordance with Articles 13 and 14 of EU Regulation 2016/679 - General Data Protection Regulation (GDPR).
2. Candidates are entitled to the rights provided by the same Regulations. To learn more, follow the link <https://www.unifi.it/cmpro-v-p-11360.html>.

Art. 18 **PUBLICITY**

1. This call is published by notice in the Italian Official Journal - Competitions and Exams Special Series - and, in its entirety, on the University Official Register and its website at <https://www.unifi.it/p12246.html>
2. It is also advertised on the Ministry's website and on the EURAXESS European website.

Art. 19

PERSON IN CHARGE OF THE PROCEDURE

1. For all purposes of this notice, the competent Organizational Unit is identified as the Area Servizi alla Didattica - Process Unit "Educational Offerings and Quality of Courses of Study" - Doctoral Program, Piazza San Marco 4, 50121 Florence.
2. Information and queries regarding the application procedure can be addressed to dottorato@unifi.it or by calling the following numbers 055 2757 668 - 681 - 678 - 681 - 309 Monday through Friday, 10:00 a.m. to 1:00 p.m. and Thursday from 2:30 p.m. to 5:00 p.m.
3. The person in charge of the procedure is Chiara Cianferoni.

Art. 20

FINAL PROVISIONS

1. The acts of public competitions are public, and access to them is allowed in the manner set out in Law 7 August 1990, n. 241.
2. For anything not expressly provided for in this announcement, please refer to the [University Regulations on Doctoral Programs](#) and to the regulatory provisions cited in the introductory part of the Decree related to this call.
3. The University reserves the right to exclude at any time candidates participating in the tests called by this notice for failure to comply with the provisions given herein or the deadlines indicated or for failure to meet the requirements set forth.